Phase II Environmental Site Assessment

Former Richmond Creamery
Richmond, Vermont
VT DEC SMS#2008-3835

April 19, 2010

Prepared for:

Chittenden County Regional Planning Commission
101 West Canal Street, Suite 202
Winooski, VT 05404

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April 19, 2010

Samantha Tilton, Staff Planner
Chittenden County Regional Planning Commission
101 West Canal Street, Suite 202
Winooski, VT 05404

Re: Phase II Environmental Site Assessment
Former Richmond Creamery
Richmond, Vermont
JCO Project #1-0346-3

Dear Ms. Tilton:

The Johnson Company is pleased to present the following Phase II Environmental Site Assessment report to the Chittenden County Regional Planning Commission (CCRPC). This report is intended to provide information pertaining to the potential existence of surface, subsurface, and building material contamination with respect to its impact on future redevelopment at the former Richmond Creamery Property.

We trust that this report satisfies the current needs of the CCRPC. Should you have any questions or require additional assistance, please do not hesitate to contact us at 229-4600. Thank you for the opportunity to be of assistance to the CCRPC on this project.

Sincerely,

THE JOHNSON COMPANY, INC.

By: S. McCarthy for:
Mike Marotto
Project Scientist

By: Rhonda Kay
Rhonda Kay
Project Engineer

Attachment

C: Hugo Martinez, VTDEC
Diane Kelley, USEPA

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EXECUTIVE SUMMARY

The Johnson Company was contracted by the Chittenden County Regional Planning Commission (CCRPC) of Winooski, Vermont to perform Phase II Environmental Site Assessment (ESA) activities at the former Richmond Creamery site located at 74 Jolina Court in Richmond, Vermont (the Site). The Site is currently owned by Casing Development, LLC and formerly housed a dairy processing and cheesemaking facility, but the building is now vacant. CCRPC is utilizing United States Environmental Protection Agency (EPA) grant money to assess environmental conditions at the Site and thus assist in its redevelopment. This Phase II ESA follows a Phase I ESA Update prepared by The Johnson Company on October 29, 2008. The Phase II Environmental Site Assessment documented herein included sampling for metals, PCBs, asbestos, lead-based paint, VOCs, and SVOCs. The results of the investigation are summarized below.

Overview

The results of this ESA indicate that many of the compounds tested in soil and groundwater at the Site are not of significant concern, including PCBs, VOCs in most soil and all groundwater, SVOCs in some soils and all groundwater, and most metals in soils and groundwater.

Some metals and SVOCs were detected in soil above regulatory limits, and some metals were detected in groundwater above regulatory limits at the Site. In addition, the presence of asbestos containing building materials, lead-based paint, mold, ammonia and containerized materials were investigated in the factory building. These constituents of concern are discussed below.

Metals

Metals were field screened and selected samples were submitted for laboratory analysis. Residential soil screening levels were exceeded in surface soil samples submitted to the laboratory at locations near the factory building (3.7 mg/kg mercury in SS-FB-05), storage shed (700 mg/kg lead in SS-SS-03) and approximate location of mapped storage tanks (2,540 mg/kg manganese in SS-T-5). In addition, residential soil screening levels were exceeded in one slightly deeper soil boring sample (43 mg/kg arsenic in MW-3).

Arsenic at or above the Vermont Groundwater Enforcement Standard (VGES) of 0.01 mg/L was reported in monitoring wells MW-2 and MW-5, which are located approximately 50 feet north and 110 feet south of the factory building, respectively, and in the sample collected from the sump inside the building's eastern end. Based on the depth to the bottom of the sump and the depth to groundwater, the water in the Sump is assumed to be groundwater and connected to the groundwater in MW-2. There is no apparent correlation between the elevated arsenic concentration outside the southeastern corner of the building (at the MW-3 soil boring) and the groundwater samples, which were not located downgradient of MW-3. Therefore, the elevated arsenic concentrations in groundwater are likely to be naturally occurring. Since the Site is supplied by municipal water, groundwater is not likely to be used for drinking at the Site, although it is currently accessible via the sump.

Manganese was detected in groundwater samples from all but two sampled wells at the Site, but not detected in the Sump sample. As with arsenic, there was no apparent correlation between elevated manganese soil concentrations located in the former reported oil tank area and the widespread elevated manganese groundwater concentrations. Manganese is likely to be naturally occurring, since it is believed that cheesemaking processes did not incorporate significant quantities of manganese. There did not appear to be a correlation between pH levels and manganese detections; very acidic or very basic groundwater may have the potential to mobilize manganese, but this does not appear to be occurring.

The former water supply well in the well tower could not be safely accessed or sampled. However, based on the widely distributed presence of manganese and arsenic detections, if the well is screened in shallow groundwater, it may contain elevated concentrations of both of these elements above VGES limits.

Discrete areas where elevated metals concentrations should be addressed include the area between the southeast corner of the building and the hollow pit, at MW-3 and SS-FB-05, where the presence of elevated concentrations of mercury and arsenic indicate possible dumping or disposal. The extents of these soils have not been delineated, but are assumed to include the volume to a depth of 2 feet bounded by the building and road (approximately 280 square feet), resulting in a total volume of approximately 21 cubic yards of soil. A small area (approximately 160 square feet) of lead-impacted surficial soils is present on the eastern side of the storage shed to a depth of 0.5 feet; the estimated volume is 3 cubic yards. Additional sampling would refine these volume estimates. Although elevated concentrations of manganese were present in one soil sample near the western edge of the former oil storage area, as stated previously the source of this manganese is believed to be naturally occurring and a volume of impacted soils has not been calculated.

SVOCs

A Toxic Equivalent Factor (TEF) was applied to the carcinogenic polycyclic aromatic hydrocarbon (PAH) range of semi-volatile organic compound (SVOC) soil results. The products of the results multiplied by the TEF were summed and compared to the Vermont Department of Health (VDH) benzo(a)pyrene-TE criterion of 0.01 mg/kg. The VDH benzo(a)pyrene-TE screening value was exceeded in all samples where PAHs were reported in exceedance of laboratory detection limits, including all shallow soil sampling surface (0-0.5 foot depth) results. Surficial and near surface samples that contained the highest PAH concentrations are present near the former rail spur, and in the center of the former oil storage area. An area of approximately 7,600 square feet in the vicinity of the former rail spur appears to be impacted by PAHs to a depth of 2 feet, resulting in an estimated soil volume of 560 cubic yards; this area is currently well vegetated with grass, brush, and/or trees. The discrete area containing elevated PAHs in the former oil storage area is estimated to cover approximately 300 square feet to an average depth of 1.5 feet, which results in a soil volume of 17 cubic yards; however, this soil is immediately adjacent to an operating railroad, and is likely to receive PAH deposition after remediation and may require additional controls to control direct-contact risks.

VOCs

In addition, one SVOC (and VOC), naphthalene, was detected above the residential RSL (3.9 mg/kg) but below the VDH criterion of 1,070 mg/kg at two locations: SS-AST-2 (surficial and near surface soils to 2 feet below ground surface), and SB-08 (1.5-2.0 feet). Both locations had elevated photoionization detector readings and visual evidence of petroleum staining. These areas of impact are expected to be relatively limited in area, based on the lack of elevated detections at nearby sampling locations.

Asbestos-Containing Materials

The asbestos inspection reported the following asbestos-containing building materials (ACBM) associated with the factory building:

- Basement: gray ceiling/wall panels in milk receiving room; milk silo room; production areas #1, 2, and 3; storage area #5
- First floor:
  - gray ceiling panels in ammonia compressor room, storage room #6/culture room, closet under stairs,
  - tan 9 inch x 9 inch vinyl floor tile in lab
- Second floor:
  - tan 9 inch x 9 inch vinyl floor tile in reception area, conference room (including closet)
  - gray 9 inch x 9 inch vinyl floor tile in bathroom, office floor, storage room floor
  - gold adhesive beneath gray tile in front reception area
  - cream/green linoleum in office bathroom
  - sheetrock compound at hallway wall edge and stairs
  - blue vinyl floor tile near bathrooms
  - black tar on cork in ceiling in the attic stock room
  - exterior blue siding

Lead-Based Paint

There were positive detections of lead-based paints and coatings on surfaces on all parts of the factory building, with limited presence in the basement. Building exterior surfaces that exhibited lead detections include a first floor loading dock door, light blue shingles on an upper portion of the building, and slight positives associated with the coatings on the foundation.

Mold Issues

At the time of the assessment, conditions for mold growth, including excessive moisture as a result of past or current roof leaks and the absence of heating or air conditioning in the building, were favorable. Four mold types were identified: mycelial fragments, Aspergillus/Penicillium, Cladiosporium, and Basidiospores. Unidentified/other mold types were also reported in 3 of the 4 samples. All four of the identified mold types are prevalent in outdoor environments in northern New England and common to indoor environments with high moisture contents.

Containerized Materials

Numerous containerized materials in the factory building used for various cleaning, maintenance, and compressor- related purposes were observed and inventoried, and the majority were labeled. A Department of Transportation (D.O.T) fingerprint analysis was conducted for containerized materials that were not labeled.

Ammonia

Ammonia was confirmed to be present in a storage tank, and it is likely that residual ammonia is also present in the refrigeration system.

Recommendations

Based on the findings of this Phase II ESA, The Johnson Company provides the following recommendations:

- Although metals concentrations were detected in groundwater wells at concentrations exceeding Vermont Groundwater Enforcement Standards (VGES), VOCs and SVOCs were not detected above VGES, and there is no evidence to suggest existing impacts to groundwater from Site activities. The elevated concentrations of arsenic and manganese in groundwater appear to be related to the successful degradation of petroleum products at the Site, and groundwater is not a source of drinking water at the Site.
- No remedial actions are recommended for groundwater unless a use is identified for the existing water supply well, in which case additional sampling should be conducted in advance of use. No additional water supply wells should be installed on the property without advance coordination with the Sites Management Section of VT DEC.
- A hollow pit of concrete rubble does not appear to be impacting groundwater or soil and no remedial actions are recommended to address the pit. However, this pit could pose a safety hazard for future redevelopment activities and should be managed appropriately.
- Additional sampling should be conducted to delineate the areal and vertical extent of the soils impacted by metals (arsenic, lead, manganese, and mercury) outside of the southeastern corner of the building.
- Additional sampling should be conducted to delineate the areal extent of surficial soils impacted by PAHs and naphthalene. If residential redevelopment is planned, these results should be used as part of a risk assessment to evaluate the potential human health risks associated with PAHs and naphthalene at the Site.
- Since no groundwater remediation is recommended, the existing onsite monitoring wells should be closed to prevent a conduit for contamination during any future Site uses.
- Once the building plans for the Site have been finalized, a Corrective Action Plan (CAP) should be developed in accordance with the VT DEC guidelines to address the following issues of concern at the Site:
    - Metals and PAH impacted shallow soils
    - Ammonia present in the abandoned refrigeration system
    - Containerized materials present in the factory building, if they have not already been removed by the owners
    - The water supply well

- The sump inside the building
- Asbestos, lead paint, and mold

Details of the CAP recommendations listed above are provided as follows:

- Once the building plans for the Site have been finalized, a Corrective Action Plan (CAP) should be developed in accordance with the VT DEC guidelines to address the following issues of concern at the Site:
    - Metals and PAH impacted shallow soils
    - Ammonia present in the abandoned refrigeration system
    - The water supply well
    - The sump inside the building
    - Asbestos, lead paint, and mold

    Details of the CAP recommendations listed above are provided as follows:

- Metals (arsenic, lead, manganese, and mercury) were reported in four surface and near-surface soil samples at concentrations above soil screening levels for residential soils. The soils outside the southeast corner of the building should be removed or covered, as should the soils on the northeast side of the storage shed. In addition, PAHs were reported at concentrations exceeding residential and industrial screening levels in locations surrounding the former rail spur and in the reported vicinity of the former tanks, in addition to isolated locations in other portions of the property. Currently, a complete vegetative covering at the rail spur area limits exposure to PAH compounds; however, if the Site use changes, remediation or land use restrictions should be applied to limit future exposures. In the former tank area, no action is recommended due to its proximity to the functioning rail line, which will be a continuing source of PAHs in the future.
- The presence of ammonia was confirmed in the abandoned refrigeration system. In its current condition, the ammonia refrigeration system does not pose an environmental hazard. However, it could pose a health and safety risk for future redevelopment activities. Ammonia in the storage tank should be pumped and reclaimed, and any residual ammonia present in refrigeration system removed prior to demolition or reuse of the building.
- An onsite former water supply well could not be accessed during the Phase II field investigation. The well is not easily accessible and is unlikely to serve as a conduit for contamination into groundwater. However, elevated concentrations of arsenic and manganese have been detected in shallow groundwater at the Site. Although the screened interval of the supply well is not known, it should be sampled before any future uses. Alternatively, if it will not be used and future redevelopment activities would result in Site

modifications making the well more accessible, the well should be demolished and properly decommissioned.

- Concentrations of arsenic were observed above VGES in a sump located in the factory building. Metals concentrations were consistent with surrounding shallow groundwater, and no remedial actions are recommended. However, exposure to the water in the sump should be prevented during redevelopment activities by removing the sump. Alternatively, since the sump may be connected to groundwater and it may not be possible to completely pump out, the sump could also be covered to secure access and prevent ingestion of the water.
- Asbestos containing building materials and lead-based paint should be handled and disposed of appropriately during demolition or reuse of the building. Asbestos was not detected in soil samples analyzed with Polarized Light Microscopy (PLM). However, chrysotile was reported in both soil samples analyzed with Transmission Electron Microscopy. Although no remedial actions would be required due to the presence of asbestos, best-management practices should be employed to limit exposure to dust during soil-disturbing activities.
- The presence of four mold types was confirmed in the factory building mold inspection. Although no remedial actions are recommended, best-management practices should be employed to limit exposure to mold during demolition or renovation activities, and conditions conducive to mold growth should be addressed prior to building reuse.

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1.0 INTRODUCTION

1.1 BACKGROUND

The Johnson Company was contracted by the Chittenden County Regional Planning Commission (CCRPC) of Winooski, Vermont to perform Phase II Environmental Site Assessment (ESA) activities at the Former Richmond Creamery located at 74 Jolina Court in Richmond, Vermont (the Site; see Figure 1). The CCRPC is utilizing U.S. Environmental Protection Agency (EPA) grant money to assess environmental conditions at the Site, and thus assist in its redevelopment. The objective of this work was to evaluate to evaluate Site impacts from asbestos, mold, lead-based paint, petroleum, chlorinated solvents, PCBs, and metals. This Phase II ESA was performed in accordance with the American Society of Testing and Materials (ASTM) Standard Practice for Phase II ESAs, ASTM E 1903-97, with additional innovative technologies employed as recommended by the U.S. Environmental Protection Agency's (EPA) Triad Approach for streamlined Brownfields site assessments and cleanups.

The Site is comprised of approximately 6 acres located within a mixed-use area of residential and commercial development. The Site is located in the Town of Richmond, in close proximity to the downtown area, and encompasses the following buildings: a former cheese processing factory, a former storage shed, a boiler building, and a concrete tower that houses the former water supply well. The remainder of the property is covered by herbaceous vegetation, a dirt roadway, a wooded slope, a drainage ditch, and a small portion of a field used for agricultural purposes.

The factory was constructed in the early 1900's, and has been out of use since 1999. Historical and current photos are included in Photographic Plates (Appendix 1). Much of the Site has fallen into disrepair since the active operation of the factory, which partially can be attributed to recurring acts of vandalism. There are three levels in the building: a basement, which runs under the entire footprint and housed the milk production areas and freezers; the first floor, which is only on the northern and western sides of the footprint and was primarily used for

storage; and the second floor, near the center and northeastern sides, which contained offices, bathrooms, and storage areas.

1.1.1 Previous and Related Investigation Results

A Phase I Environmental Site Assessment of the Site was prepared by Heindel and Noyes, Inc., (H&N) dated December 2, 2002. In October, 2008, The Johnson Company performed an update of the H&N Phase I ESA for CCRPC. Based on the findings of the Phase I investigation and Update, the former use of the Site for dairy processing and cheesemaking did not appear to have resulted in gross contamination of environmental media. However, some discrete areas of concern were identified as a result of the former industrial uses and the age of the building, and the following recognized environmental concerns (RECs) were identified:

- Containerized potentially hazardous materials in the former factory and storage buildings. Some of these containers were observed to be uncovered, which presents risk for spills or releases.
- Water supply well, not abandoned or used since connection to Town of Richmond municipal water supply. If unsecured, this well can provide a conduit for hazardous materials to be released to groundwater.
- Property records indicate Standard Oil Company formerly owned a portion of the Site, and a 1926 Sanborn map shows the approximate location of three oil storage tanks.
- A hollow pit of unconfirmed contents, covered by a concrete slab, is present on the Site.
- Polynuclear aromatic hydrocarbons (PAHs) from idling rail cars, in addition to other materials that may have spilled or been released from rail cars, such as metals and asbestos used in brake linings of rail cars, may be present in soils in the vicinity of the former rail spur that crossed the northeastern corner of the Site.
- Potential impacts to soil and groundwater resulting from possible releases during factory operations. Due to the machinery formerly present at the Site, the use of lubricating oils and cleaning chemicals is suspected, although in many areas of the factory it is likely that these lubricants and cleaning products were food-grade and not a major source of contamination to environmental media.
- The presence of hydraulic fluid buckets in the storage shed indicates that this product was used in some machinery or equipment at the Site. Some hydraulic fluids historically contained PCBs before their use in unenclosed systems was banned in the late-1970's. There is not evidence to suggest the widespread release of hydraulic fluids in a food-manufacturing facility.

Although not Recognized Environmental Conditions, potential impacts from the following items were also assessed in the Phase II ESA:

- A 10,000-gallon above ground storage tank (AST) containing some residual fuel oil sludge is present on the Site. The piping for this AST was routed overhead, and no staining or olfactory evidence of releases to the ground surface were observed.
- Residual ammonia potentially present in the abandoned refrigeration system.
- Asbestos was previously identified in the shingles that cover the outside of the factory building; asbestos may also be present in building materials in the factory building and in soils.
- Lead may be present in soils and paint on the factory building.
- Pesticides may be present in soils on the Site due to the proximity to cleared cropland.

2.0 METHODOLOGY AND RESULTS

The scope of work for this assessment was developed in accordance with the US EPA's Triad Approach[1] for streamlined brownfield site assessments. This investigation was conducted in accordance with the procedures described in the Generic Quality Assurance Project Plan (QAPP) (RFA# 07285) and the Site-specific Former Richmond Creamery QAPP Addendum F, Revision 3, dated March 19, 2009. In order to better assess the extent of and risks posed by contaminants already identified or suspected to be present at the Site, environmental investigations consisting of the following items were conducted: a) an asbestos assessment; b) a lead paint and mold assessment; c) concrete floor and soil sampling for PCBs; d) an assessment of containerized materials; e) sampling of a sump observed to be present in the factory building; f) soil quality screening and sampling; and g) groundwater monitoring well installation and sampling. Details pertaining to each aspect of the Phase II site investigation are included in the following sections. Field forms documenting sample collection are included in Appendix 7. Samples were placed in coolers and were shipped using Chain of Custody protocol via courier to Eastern Analytical, Inc. of Concord, New Hampshire and Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut for analysis. Eastern Analytical, Inc. performed all soil analyses except PCBs, which were analyzed by Phoenix Environmental Laboratories, Inc. The asbestos

[1] U.S. Environmental Protection Agency, *Using the Triad Approach to Streamline Brownfields Site Assessment and RFCleanup*; Brownfields Technology Primer Series, EPA 542-B-03-002, June 2003.

and lead paint/mold assessments were subcontracted and analyses of building materials are discussed in corresponding sections.

2.1 ASBESTOS INSPECTION

2.1.1 Asbestos Inspection: Building Materials

2.1.1.1 Asbestos Inspection: Building Materials - Methodology

An asbestos inspection was completed by Anglo-American Environmental (AAE) on March 23-24, 2009. The asbestos inspection was performed in accordance with the Vermont Regulations for Asbestos Control V.S.A. Title 18, Chapter 26 and 40 CFR Part 763, "Asbestos Containing Materials in Schools: Final Rule and Notice" (EPA/AHERA) by a Vermont-certified Asbestos Inspector. A total of 69 asbestos samples were collected and submitted to EMSL Laboratory of Woburn, Massachusetts for analysis using Polarized Light Microscopy (PLM; EPA Method 600/R-93/119). Of the 69 samples, 68 were analyzed by PLM and 1 was analyzed using the 400 Point Count procedure with PLM, which is used to quantify levels around 1 percent.

2.1.1.2 Asbestos Inspection: Building Materials - Results

The full asbestos inspection report provided by AAE is included in Appendix 2. The results of the asbestos sampling indicate that asbestos is present in multiple building materials in or associated with the factory building. Asbestos-containing building materials (ACBM) included the following items:

- Basement: gray ceiling/wall panels in milk receiving room; milk silo room; production areas #1, 2, and 3; storage area #5
- First floor:
  - gray ceiling panels in ammonia compressor room, storage room #6/culture room, closet under stairs,
  - tan 9 inch x 9 inch vinyl floor tile in lab
- Second floor:
  - tan 9 inch x 9 inch vinyl floor tile in reception area, conference room (including closet)

- gray 9 inch x 9 inch vinyl floor tile in bathroom, office floor, storage room floor
- gold adhesive beneath gray tile in front reception area
- cream/green linoleum in office bathroom
- sheetrock compound at hallway wall edge and stairs
- blue vinyl floor tile near bathrooms
- black tar on cork in ceiling in the attic stock room
- exterior blue siding

2.1.2 Asbestos Sampling: Soils

2.1.2.1 Asbestos Sampling: Soils - Methodology

To assess potential asbestos impacts to soils from building materials and historical railroad operations, samples were collected by The Johnson Company from surficial soils outside the perimeter of the factory building and cooler building, and in the vicinity of the railroad spur and analyzed for asbestos. A total of 15 samples were submitted to URS Corporation of Salem, New Hampshire under subcontract to Eastern Analytical, Inc. for analysis using PLM and Dispersion Staining (EPA-600/M4-82-020 EPA Method 600/R-93/116). URS Corporation also subcontracted AmeriSci Boston of Weymouth, Massachusetts to conduct asbestos analysis of two samples using Transmission Electron Microscopy (TEM), which can detect smaller fibers than PLM; however, since no comparable standards exist for this method, the results were only reported as present or not present.

Surficial (0-0.5 feet below ground surface) soil samples were collected on March 23, 2009 for analysis of asbestos. Soil samples were collected with a decontaminated hand auger and submitted for laboratory analysis under chain of custody protocol. PLM analyses were performed on the five samples (SS-RR-01, SS-RR-04, SS-RR-05, SS-RR-08, and SS-RR-09) collected along the former rail spur, eight samples (SS-FB-ACM-01 through 08) collected from the perimeter of the factory building, and two samples (SS-CB-01 and 02) collected from outside the cooler building. Samples from SS-RR-05 and SS-FB-ACM-05 were also analyzed via TEM analysis.

2.1.2.1 Asbestos Sampling: Soils - Results

The PLM asbestos analysis did not detect any types of asbestos (Chrysotile, Amosite, Crocidolite, or other) using their quantitative methods. In the TEM analysis, Chrysotile was reported to be present in both samples SS-FB-ACM-05 and SS-RR-05. Based on the absence of any asbestos in the PLM samples, it is likely that the Chrysotile detected in both samples is in low amounts as a percentage of the soil volume. Therefore, although no remedial actions would be required due to the presence of asbestos, best-management practices should be employed to limit exposure to dust during soil-disturbing activities.

2.2 LEAD PAINT AND MOLD INSPECTION

2.2.1 Lead Paint Inspection

2.2.1.1 Lead Paint Inspection Methodology

EverGreen Environmental Health and Safety, Inc. (EHS) conducted an inspection for lead-based paint on March 24, 2009. The lead paint inspection was performed by a certified lead technician. Screening for lead-based paint was conducted using an Innov-X tube type portable X-Ray Fluorescence (XRF) instrument. Six confirmatory paint chip samples were collected and submitted to Galson Laboratories of East Syracuse, NY for lead analysis using a modified EPA method 6010C/6020A by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP/AES).

2.2.1.2 Lead Paint Inspection Results

The full lead-based paint inspection report provided by EHS is included in Appendix 3. The definition of lead-based paint includes any paint that contains 1.0 milligrams per square centimeter (mg/cm^2) or more of lead or tests greater than 0.5 percent by weight. Twenty-nine out of 107 XRF screening locations exhibited detections of lead, and the four positive XRF detections submitted for laboratory analysis were confirmed. The XRF indicated positive but low readings (>1.0 mg/cm^2) at several locations, indicating the possibility that lead paint may have been used in the past, but was removed and re-coated with paint containing a lower lead content. The laboratory reported positive results of 0.0082 percent lead by weight at one location where XRF screening did not indicate elevated lead concentrations. The majority of the

basement area where food production occurred was relatively free of lead-based paint, with detections only in a maintenance storage area, in the Micro-Scan room, on a steel stairway, and on painted cement block behind paneling in the Production room. Lead-based coatings were detected in 28 percent of the building components tested in the first floor Storage Rooms A-D and utility rooms, and were limited to door and window components and wood or brick walls. No lead was present on interior surfaces on the second floor "Tower Block", whereas the Red Brick second floor section had detections of lead-based paint in 48 percent of the interior surfaces tested, on windows, doors, and walls. Building exterior surfaces that exhibited lead detections include a first floor loading dock door, light blue shingles on the exterior of a tower block, and slight positives associated with the coatings on the foundation. The red brick and white paint on the exterior tested negative for lead-based paint.

2.2.3 Mold Inspection

2.2.3.1 Mold Inspection Methodology

The mold assessment was conducted by EHS on March 24, 2008. The mold assessment consisted of visual observations of the interior of the factory building, and submittal of samples from four locations to Galson Laboratories of East Syracuse, NY for mold identification by a validated in-house microscopy method.

2.2.3 Mold Inspection Results

The full mold inspection report prepared by EHS is provided in Appendix 3. Conditions that are conducive to mold growth, such as standing water and leaks were observed throughout the interior of the factory building. Four mold types were identified: mycelial fragments, Aspergillus/Penicillium, Cladiosporium, and Basidiospores. Unidentified/other mold types were reported in three of the four samples. All four of the identified mold types are prevalent in outdoor environments in northern New England and common to indoor environments with high moisture contents. Aspergillus/Penicillium-like molds are capable of producing toxic material that can be inhaled when disturbed, whereas Cladiosporium is relatively non-toxic but can cause an allergenic response in affected people.

2.3 POLYCHLORINATED BIPHENYL (PCB) SAMPLING

2.3.1 Indoor Concrete Sampling for PCBs

2.3.1.1 Indoor Concrete Sampling for PCBs Methodology

Sampling indoor concrete for PCBs was conducted on March 23-24, 2009. A total of 10 bulk concrete samples and 1 duplicate sample were collected from the concrete slab inside the factory building. Concrete samples were collected from the former production areas, the ammonia compressor room, the maintenance area, and a room containing a used oil drum. Wherever possible, concrete samples were collected in areas where staining was observed. Two concrete samples were also collected from the concrete slab in the storage shed building. PCB concrete sampling locations are shown on Figure 2. Samples were collected using an impact hammer drill with a 1 inch diameter drill bit. The drill was used to create two to six co-located, 0.5 inch deep holes in the concrete at each location. The concrete dust created during drilling was collected using a stainless steel scoopula and placed into a glass jar. The scoopula and the drill bit were decontaminated between locations by wiping with a hexane-saturated cloth. The bulk concrete dust samples were analyzed at Phoenix Analytical, Inc. for PCBs via EPA Method 8082 with Soxhlet extraction.

2.3.1.2 Indoor Concrete Sampling for PCBs Results

PCB results are summarized in Table 1. Concentrations of PCBs in concrete were not reported in exceedence of laboratory reporting limits, and did not exceed the TSCA regulatory limit of 1 part per million (ppm; equivalent to 1,000 µg/kg) of total PCBs.

2.3.2 Soil Sampling for PCBs

2.3.2.1 Soil Sampling for PCBs Methodology

Soil sampling for PCBs was conducted on March 23-24, 2009. Eight soil samples were collected from the soil near the storage shed/AST and loading areas of the factory building, three samples were collected from the soil near the base of the power poles that previously held transformers, and one soil sample was collected from a downgradient sediment outfall location near the property boundary. PCB soil sampling locations are shown on Figure 2. Soil samples were collected from 0 to 0.5 feet below ground surface using a trowel and/or hand auger. The

trowel and/or hand auger was decontaminated between sampling locations with Alconox and deionized water. Additionally, the concrete floor of the factory building was cored at two locations (CC-1 and CC-2) using a small-diameter concrete corer. Refusal was encountered immediately beneath the slab at location CC-1, and there was not sufficient soil to collect a sample. Soil beneath the slab at CC-2 was collected from the 0 to 0.5 foot depth with a hand auger. Soil samples were analyzed at Phoenix Analytical, Inc. for PCBs via EPA Method 8082 with Soxhlet extraction. Surface soil samples from the sub-slab and exterior locations were also submitted to Eastern Analytical, Inc. for additional analyses, discussed in Section 2.9 – Shallow Soil Sampling.

2.3.2.2 Soil Sampling for PCBs Results

PCB results are summarized in Table 1. Concentrations of PCBs in soils were not reported in exceedance of laboratory reporting limits. The laboratory was not aware of the new Vermont Department of Health soil screening limits, and the laboratory reporting limits of individual PCB Aroclors ranged from 160 to 340 µg/kg, above the residential screening level of 120 µg/kg. It has been The Johnson Company's experience at other sites that the historical use of PCBs at a Site would be indicated through the presence of PCB concentrations in a variety of sampled media at concentrations well above the residential screening level and above the TSCA regulatory limit of 1,000 µg/kg. Given the lack of any PCB detections either inside or outside the building, it was determined that the slightly high laboratory reporting limits did not result in a significant data gap that would require re-sampling at the Site.

2.4 HOLLOW PIT CHARACTERIZATION

An excavator was used to uncover the soil above the pit and penetrate the concrete cover on March 23, 2009. The contents of the pit were observed to be concrete rubble. Photos of the pit contents are included in Appendix 1. To confirm the pit did not contain water or soil, a concrete corer was used to core a four inch hole at an additional location of the concrete pit cover on March 24, 2009. The depth to the top of rubble in the pit was measured at approximately 6 feet. An extendable hand auger was inserted into the cored hole, and no sample was retrieved. After further inspection, it was confirmed that the bottom of the pit at both locations was covered with concrete rubble. A Photoionization Detector (PID) was lowered into the pit and only trace

readings (0.2 PPM) were observed. The historical contents of the tank are unknown, but no visual or olfactory evidence of petroleum products or chemical storage were observed. Because the installation of wells downgradient of the pit were dependent on sampling results but no sampling results could be obtained, two wells were installed in a presumed downgradient direction of the pit to the south (See Section 2.10 – Groundwater Quality Investigation).

2.5 CONTAINERIZED MATERIALS CHARACTERIZATION

A containerized materials inventory was completed on March 31, 2009. This task was not fully detailed in the QAPP, and was completed with continuing guidance from VT DEC to gain a better understanding of containerized materials at the Site. A subsequent Site visit was conducted by personnel from VT DEC, Precision Industrial Maintenance, the Site owner, and The Johnson Company on April 6, 2009. Precision Industrial Maintenance conducted a fingerprinting analysis of unknown materials on April 23, 2009 to allow for the classification of unknown wastes into US Department of Transportation (USDOT) designated hazard material classes for transportation to proper disposal facilities. Unknown materials were grouped into nine categories, and physical properties of each category were recorded. Physical properties reported during the field fingerprint analysis included: phase, air reactivity, oxidizer, peroxide, pH, flash, H2OR, soluble, cyanide, sulfide. The containerized materials inventory and fingerprint analysis are included in Appendix 4. There were approximately 61 containers or sets of containers (i.e., a group of six 4 pound metal containers marked “Ruboroleum” was considered as one set) identified in the receiving dock area and adjacent storage area, basement compressor room, basement production area, basement freezer room, basement production “RO” area, maintenance area and adjacent room, second floor attic storage area, upper attic, and ammonia compressor room. Many of the containers were labeled as being for machine or building maintenance, or dairy equipment cleaning.

The VT DEC contacted the property owner on June 1, 2009 to request that the property owner address containerized materials present in the former factory building. According to the VT DEC, the drums have been removed from the property and properly disposed of under the oversight of VT RCRA.

2.6 ASSESSMENT OF AMMONIA REFRIDGERATION SYSTEM

A licensed refrigeration contractor conducted a Site visit on April 14, 2009 to inspect the status of the ammonia refrigeration system. Governed Air of Vermont, Inc. of South Burlington, Vermont concluded that ammonia was still present in significant quantities in the ammonia tank (an approximately 250 gallon tank was observed to be about ½ full). Since the ammonia is contained inside the building, a release could be expected to volatilize quickly and not present a risk to soil or groundwater; however, such a release would pose a significant health and safety hazard to workers or visitors to the Site. A photo of the ammonia tank is included in Appendix 1.

2.7 ASSESSMENT OF WATER SUPPLY WELL

An attempt was made to access the existing onsite water supply well on April 14, 2009. The water supply well is enclosed in a concrete structure, approximately 20 feet high, which has no ladders, doors, or other forms of direct access on the sides. It is suspected that there may have been a bridge or platform from the level of the former rail spur located to the north of the tower, but none exists now. The well could not be safely accessed from the top of the structure. There is a platform at the top of the tower, and a steel ladder descends into the structure. Since the condition of the interior ladder could not be verified and the opening was relatively small, the interior of the tower was deemed to be a confined space and was not entered by The Johnson Company staff. A water level indicator was lowered into the opening, but it indicated that access to the well was blocked from within the concrete structure at approximately ground level. Photographs of the well tower are included in Appendix 1.

2.8 CHARACTERIZATION OF SUMP

2.8.1 Sump Characterization Methodology

A concrete structure with a considerable quantity of water, possibly a sump, was observed in the ammonia compressor room. Photos of the aqueous sump contents are included in Appendix 1. The depth to the top of the water was approximately 4.5 feet below the top of the concrete structure, which is raised approximately 1.5 feet above the floor surface. A peristaltic pump was used to sample the aqueous contents of the sump, and samples were submitted for volatile organic compounds (VOCs) via EPA Method 8260, semi-volatile organic compounds

(SVOCs) via EPA Method 8270, and the Vermont Groundwater Enforcement Standard (VGES) list of metals via EPA Method 6020. The VGES list of metals includes antimony, arsenic, barium, cadmium, chromium, lead, manganese, mercury, nickel, selenium, and thallium.

2.8.2 Sump Characterization Results

2.8.2.1 Sump VOC Results

The VOC analytical results for the sump are included in Table 2. No VOC compounds were detected above laboratory reporting limits or Vermont Groundwater Enforcement Standards (VGES).

2.8.2.2 Sump SVOC Results

The SVOC analytical results for the sump are included in Table 3 and PAH analytical results are included in Table 4. No SVOC or PAH compounds were detected above laboratory reporting limits or VGES.

2.8.2.3 Sump Metals Results

The metals analytical results for the sump are included in Table 5. Arsenic, barium, and manganese were detected above laboratory reporting limits. The arsenic concentration (0.012 milligrams per liter, mg/L) slightly exceeded the VGES (0.010 mg/L). Additional discussion of arsenic in groundwater is provided in Section 2.10.2.5, below.

2.9 SHALLOW SOIL SAMPLING

2.9.1 Shallow Soil Borings Methodology

Surficial (0-0.5 feet below ground surface (bgs)) and near surface (1.5-2.0 feet bgs) soil samples were collected between March 23, 2009 and April 20, 2009. Soil samples were collected with a hand auger, which was decontaminated with Alconox and deionized water after collecting each sample. Samples were placed on ice, and submitted for laboratory analysis under chain of custody protocol. Soil samples were submitted for volatile organic compounds (VOCs) via EPA Method 8260, semi-volatile organic compounds (SVOCs) and/or polycyclic aromatic hydrocarbons (PAHs) via EPA Method 8270 with Selective Ion Monitoring (SIM) for the PAH range, and pesticides via EPA Method 8081. Soil samples were also collected for field screening

using an Innov-X XRF analyzer. Following review of screening results, selected samples were submitted for laboratory analysis of the Regional Screening Levels (RSL) list of metals via EPA Method 6020. The RSL list of metals includes aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, selenium, silver, thallium, tin, vanadium, and zinc. With the exception of asbestos and PCB results (discussed in Sections 2.1 and 2.2, respectively) shallow soil sampling results are discussed below.

2.9.2 Shallow Soil Sampling Results

2.9.2.1 Shallow Soil Sampling Results - VOCs

Shallow soil sampling locations were based on the QAPP, field observations, and PID screening. Three locations were selected for full VOC analysis: one 0-0.5 foot bgs sediment sample located on the southern downgradient side of the property near an outlet to the Winooski River (WR-01), a sub-slab soil sample from 0-0.5 foot below the bottom of the concrete slab in the factory building (Sub Slab 2), and a 1.5-2.0 feet bgs soil boring (SB-08) from a location where drilling was refused due to bedrock (selected for VOC analysis based on visual observations of oily staining and elevated PID readings). Surface and near-surface soil samples were collected for analysis of petroleum-related VOCs at nine locations: five in the vicinity of the oil storage tanks identified on a 1926 Sanborn map (SS-T-1 through SS-T-5); two near an existing AST (SS-AST-1 and SS-AST-2); one near the boiler building (SS-BB-1); and one (SS-PT-3) between two points (SS-AST-2 and SB-08) where soil was observed to be impacted based on visual observations and elevated PID readings.

The soil sampling VOC analytical results are provided in Table 6. Results were compared to Federal residential Regional Screening Levels (RSLs) and Vermont Department of Health (VDH) screening levels for those compounds with established VDH values. Where VDH criteria exist, the VT DEC has directed that they be used instead of the RSLs, regardless of whether they are higher or lower than the RSLs. VOCs were reported above laboratory reporting limits in samples collected from SS-AST-1, SS-AST-2, SB-08. One VOC (toluene) was reported in sample SS-WR-01. Naphthalene was reported in samples SB-08 (6.80 milligrams per kilogram (mg/kg) at 1.5-2.0 feet bgs), SS-AST-2 (5.10 mg/kg at 0-0.5 feet bgs, and 8.40 mg/kg

at 1.5-2.0 bgs). RSL and/or VDH screening values were not exceeded in concentrations reported for soil samples. It should be noted that the VDH value used as a screening level for naphthalene is 1,070 mg/kg, although the residential screening level is 3.9 mg/kg, which is significantly lower and would have triggered exceedances for soil sampling locations SB-08 and SS-AST-2.

2.9.2.2 Shallow Soil Sampling Results - SVOCs and PAHs

Soil samples from two of the locations identified above, WR-01 (surface), and SB-08 (1.5-2.0 feet bgs), were submitted for full SVOC analysis. Twenty-one locations (surface and near-surface) were selected for polycyclic aromatic hydrocarbon (PAH) analysis using EPA Method 8270: 10 in the vicinity of a former rail spur (SS-RR-01 through SS-RR-10); 2 not near the rail spur (SS-NR-01 and SS-NR-02); 2 near the AST (SS-AST-1 and SS-AST-2); two near the boiler building (SS-BB-01 and SS-BB-02); 5 in the vicinity of the oil storage tanks identified on a 1926 Sanborn map (SS-T-1 through SS-T-5); and 1 (SS-PT-3) between two points (SS-AST-2 and SB-08) where soil was observed to be impacted based on visual observations and elevated PID readings.

The SVOC soil laboratory results are summarized in Table 12, and PAH results are summarized in Table 7. Several PAH compounds were detected above laboratory reporting limits. The VDH screening level for carcinogenic PAH compounds requires calculation of the total equivalent (TE) risk caused by all of these PAHs for comparison against a value expressed as the benzo(a)pyrene criterion. For these calculations, each carcinogenic PAH is assigned a toxic equivalent factor (TEF) that indicates how toxic the compound is compared to benzo(a)pyrene (i.e., benzo(a)pyrene has a TEF of 1, whereas chrysene is considered less toxic and has a TEF of 0.001). These calculations are summarized in Table 8, and the results are shown on Figure 3. The results were compared to the VDH benzo(a)pyrene-TE criterion of 0.01 mg/kg. The VDH benzo(a)pyrene-TE screening value was exceeded in all samples where PAHs were reported in exceedance of laboratory detection limits, including all surface (0-0.5 foot depth) soil sampling results. The VDH benzo(a)pyrene-TE screening value was not exceeded in near surface (1.5-2.0 foot depth) samples collected at SS-NR-01, SB-08, SS-T-1, SS-T-2 and SS-PT-3. The SS-RR-03 and 05 samples were collected from locations to the south of the former

rail spur in currently wooded areas, and may indicate a release of coal or other burned materials. The two non-railroad surficial soil samples at SS-NR-01 and 02 contained carcinogenic PAHs that exceeded the benzo(a)pyrene-TE criterion, with the lowest TE at SS-NR-01 (0.05 mg/kg), and a somewhat higher value of 0.36 mg/kg at SS-NR-02.

Since so many of the samples exceeded the residential carcinogenic screening level, the industrial RSL was listed for comparison of individual PAH compounds in Table 8. The industrial RSL for benzo(a)pyrene of 0.2 mg/kg was slightly exceeded in the surficial samples at SS-WR-01, SS-NR-02, and several railroad locations, and was more substantially exceeded at the surficial and near surface samples from railroad locations SS-RR-03, SS-RR-05, and the surficial sample at SS-AST-2.

2.9.2.3 Shallow Soil Sampling Results - Metals

Surface soil samples were collected for metals screening from locations near the former railroad spur, factory building, former cooler building, boiler building, storage shed, and AST. These screening samples (31 in total) were screened for metals using the Innov-X XRF Analyzer. XRF screening results are summarized in Table 9. Following review of XRF screening results, one confirmatory sample from each of the following locations was submitted for laboratory metals analysis: the former railroad spur; the former cooler building; the factory building; and the storage shed.

The RSL metals laboratory soil results are summarized in Table 10. A comparison of XRF screening and laboratory metals results is provided in Table 11 and discussed in Section 3.1.2. With the exception of arsenic and cadmium, results were compared to residential RSLs. Arsenic results were compared to the typical Vermont background level of 12 mg/kg, and the VDH value of 34.5 mg/kg was applied for cadmium. Soil screening levels were exceeded for lead (700 mg/kg in storage shed sample SS-SS-03), mercury (3.7 mg/kg in factory building sample SS-FB-05), and manganese (2,540 mg/kg in the oil storage tank SS-T-5 surficial depth sample).

2.9.2.4 Shallow Soil Sampling Results - Pesticides

Surface soil samples were collected from two locations (SS-PS-01 and SS-PS-02) near adjacent cropland to evaluate potential soil impacts from pesticides. The pesticide soil results are provided in Table 13. No pesticides were reported above laboratory detection limits.

2.10 GROUNDWATER QUALITY INVESTIGATION

2.10.1 Groundwater Quality Investigation Methodology

Between April 14 and 15, 2009, nine deep soil borings and monitoring wells were installed in at the Site. All of the wells were installed by ENPRO Services of Vermont, Inc. using their PowerProbe track-mounted drill rig under the direction of The Johnson Company. Wells were constructed with 2 inch diameter PVC pipe and factory-slotted screens. The annular space was filled with sand, and a hydrated bentonite seal was placed between the top of the sand and the ground surface. Wells were completed with flush-mounted, protective road boxes set in concrete. Screen lengths varied based on the total depth of the well, as summarized in Table 2.9, below. Well construction logs are provided in Appendix 5.

Table 2.9 Well Depths and Screen Lengths

Well Name	Approximate Total Depth	Screen Length
MW-1	18 feet	9.6 feet
MW-2	17 feet	10 feet
MW-3	20 feet	10 feet
MW-4	18 feet	10 feet
MW-5	16 feet	10 feet
MW-6	14 feet	10 feet
MW-7	10 feet	7.8 feet
MW-8	9 feet	6 feet
MW-9	16 feet	10 feet

Screening for VOCs using a 10.6 eV PID was conducted as the butyrate soil core liners were cut open immediately after removal from the hole. Soils were screened for VOCs at 2 foot intervals, and one confirmatory soil sample from each monitoring well boring was submitted for laboratory analysis of VOCs via EPA Method 8260. In addition, a minimum of one metals screening sample was collected from each 4-foot core liner. These metals screening samples were analyzed for metals using the Innov-X XRF Analyzer. A total of 35 metals screening

samples were collected and analyzed from the deep soil borings. The results of the XRF sampling were used to select one sample from each boring for laboratory analysis of the RSL list of metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, nickel, selenium, silver, thallium, tin, vanadium, and zinc) via EPA Method 6020.

Wells were developed on April 14-15 by using both a surge block/hand pump and a peristaltic pump to remove fines. After installation, the top of casing at each well was surveyed for elevation and all wells were located with a Trimble sub-meter GPS unit. Water levels were measured before sampling on April 20, 2009 and May 15, 2009.

On April 20, 2009, wells MW-1 through MW-9 were purged and sampled using low-flow procedures for laboratory analysis of VOCs via EPA Method 8260B, SVOCs via EPA Method 8270 and the VGES list of metals via EPA Method 6020, which includes antimony, arsenic, barium, cadmium, chromium, lead, manganese, mercury, nickel, selenium, and thallium. Groundwater samples from MW-1 were submitted for analysis of the petroleum range of VOCs only, but not for SVOCs. There was insufficient groundwater recharge to sample MW-3 and MW-4 for SVOCs and MW-4 for metals. A laboratory preparation error was noted during initial review of laboratory analytical results, and wells MW-2 and MW-5 through MW-9 were re-sampled for SVOCs on May 20, 2009 using low-flow techniques.

2.10.2 Groundwater Quality Investigation Results

2.10.2.1 Locations of Groundwater Monitoring Wells

Since no oil storage tanks were detected, MW-1 was installed in the approximate vicinity of the mapped oil storage tanks. MW-2 was installed in a location presumed to be upgradient of the factory building (north). MW-3 and MW-7 were installed in locations presumed to be downgradient of the factory building (south). MW-6 was installed in a location presumed to be downgradient of the wastewater tank (south). Since the hollow pit could not be sampled due to the concrete debris contents, MW-4 and MW-5 were installed at locations presumed to be downgradient of the hollow pit (southwest). During drilling, soils from the 7 to 12 foot depth in

the MW-6 boring appeared to be visually impacted, with odors, discoloration and elevated PID readings. Based on these observations, soil borings were attempted in a presumed downgradient direction from MW-6 (southwest), but were refused due to shallow (2-4 feet) bedrock. With the exception of SB-08, where odor and some black petroleum staining were observed, soils from these additional borings did not appear to be visually impacted or have elevated PID readings. Shallow bedrock also prevented the installation of two monitoring wells at locations presumed to be downgradient of the AST/boiler building. Instead, two wells, MW-8 and MW-9, were installed in the vicinity of MW-6 and SB-08, where impacted soils were observed.

2.10.2.2 Groundwater Flow Direction

The measurements of groundwater depths from April 20, 2009 and May 15, 2009 are provided in Table 15, and water table equipotential map from the May 15, 2009 recordings (when water levels are believed to have been most stable) is provided in Figure 5. Localized groundwater flow direction on the western portion of the Site where the wells are located is toward the drainage ditch to the southeast of the building, which flows into the Winooski River to the south. The shallow groundwater flow direction is apparently significantly influenced by areas of shallow bedrock, which were encountered during drilling to the east of the building, as shown on Figure 5. Water table measurements indicate that the groundwater flow direction presumed before the investigation was not correct, since shallow groundwater flows in a southeast direction toward the drainage ditch that runs from the northwest of the property towards the southeast. Ultimately, this had the effect of changing the purpose of some of the wells; for example, MW-5, which was supposed to be downgradient of the pit is actually downgradient of the abandoned wastewater equalization tank. As a result, no wells were positioned directly downgradient of the hollow pit, although the drainage ditch is relatively close in the downgradient direction and no staining was observed on the banks of the ditch.

2.10.2.3 Groundwater and Soil Boring VOC Results

The groundwater VOC results are provided in Table 2. Results were compared to Vermont Groundwater Enforcement Standards (VGES). Four petroleum-related VOCs were reported above laboratory reporting limits in MW-2, the only well with any VOC detections. However, all concentrations in MW-2 were reported below VGES.

A summary of laboratory VOC concentrations in soil borings is included in Table 6. The only VOCs detected in any monitoring well soil boring were toluene and naphthalene, both in the MW-4 boring at concentrations well below residential RSLs. As discussed above, no VOCs were detected in groundwater in the MW-4 monitoring well.

2.10.2.4 Groundwater and Soil Boring SVOC and PAH Results

The groundwater SVOC results are provided in Table 3, and PAH concentrations in groundwater are summarized in Table 4. Results were compared to VGES criteria. No SVOCs or PAHs were detected above laboratory reporting limits in groundwater.

The SVOC analytical results from the soil borings are provided in Table 12 and laboratory PAH concentrations in soil borings are summarized in Table 7. PAH compounds were detected above laboratory reporting limits in two monitoring well soil borings – MW-4 and MW-9. As detailed in Section 2.9.3 and summarized in Table 8, the effects of carcinogenic PAHs were summed and compared against the benzo(a)pyrene-TE criterion. The VDH benzo(a)pyrene-TE screening value was exceeded in both soil boring MW-4 (13-14 feet) and soil boring MW-9 (4.5-5.0 feet). The MW-4 soil boring is located at the southeastern end of the pit, downgradient of the building, and the MW-9 boring was located near the southern edge of the Site, near the road. Although these results were above the residential screening limit, they are much lower than the detections in the rail spur and former AST areas.

2.10.2.5 Groundwater and Soil Boring Metals Results

A summary of laboratory metals concentrations in groundwater is included in Table 5. Arsenic and manganese concentrations exceeded VGES in samples collected from several monitoring wells, as shown on Figure 4. Arsenic was present at elevated concentrations (above the VGES of 0.01 mg/L) in MW-2 and MW-5, on the northern and southern sides of the building, respectively. Manganese was reported at concentrations above the 0.30 mg/L VGES in all wells except MW-2.

The XRF screening results are included in Table 9, and laboratory metals analytical results for soil is included in Table 10. A comparison of XRF screening and laboratory metals results is provided in Table 11 and discussed in Section 3.1.2. Laboratory results were compared to residential RSLs, with the exception of arsenic (compared to the typical Vermont background level of 12 mg/kg), and cadmium (compared to the VDH value of 34.5 mg/kg). With the exception of arsenic, reported at a concentration of 43 mg/kg in the 1.5-2.0 foot depth sample collected from soil boring MW-3, screening levels were not exceeded in monitoring well soil borings.

A comparison of the locations of elevated arsenic and manganese in soil and groundwater does not indicate a source area for either element. Manganese was detected at the highest concentrations immediately downgradient of the rock outcrop on the southwest portion of the property. Although no bedrock wells were installed, no water was encountered above the bedrock outcrop in borings installed near the building or along the access road in the southwestern corner of the property; therefore, the water table appears to be in bedrock on part of the Site. Manganese is naturally-occurring in rock and soil, and is typically mobilized in slow moving, low-oxygen water through chemical reactions. These low-oxygen conditions may be naturally occurring, or can result from the oxidation of petroleum releases. Based on the location of the highest manganese detections in groundwater monitoring wells (in the southwestern corner of the Site), the combination of the bedrock outcrop and a fuel release appear to be having a significant influence on manganese concentrations. Arsenic is also a naturally-occurring metal, but many studies have shown that it becomes more soluble in groundwater under reducing conditions; either by directly reducing the element from arsenic (V) to arsenic (III), which is more soluble, or by reducing another element (e.g., ferric iron to ferrous iron), which releases the arsenic from its binding site. Reducing conditions are created when organic carbon sources are introduced to groundwater and soil bacteria oxidize the carbon during the natural attenuation process. At this Site, the sources of organic carbon are likely to be petroleum products, as evidenced by fuel-like odors in deep soils in the borings for MW-2, MW-6, and SB-08. The absence of elevated VOCs in groundwater at all wells indicates that natural attenuation, through

oxidation, has occurred. The dissolved oxygen concentrations measured in the field were generally low in these wells, although these values should be considered of screening quality only. Based on the VOC and metals results and the generally low dissolved oxygen concentrations in the impacted wells, the groundwater chemistry has likely converted to lower oxygen, more reducing conditions. These conditions appear to have resulted in the increased mobilization of arsenic and manganese. Since the source of drinking water at the Site is municipal rather than a groundwater well and the arsenic and manganese in groundwater will not be available for contact, ingestion, or inhalation, the elevated levels of these metals in groundwater would not be a concern for future Site activities. Releases of these elements to surface water is not expected to significantly impact the Site, since exposure to high oxygen conditions would likely convert both metals to less soluble, and therefore less mobile and bioavailable, forms.

3.0 QUALITY ASSURANCE / QUALITY CONTROL MEASURES

Field sampling and on-site and laboratory analysis activities were conducted in accordance with an EPA-approved Quality Assurance Project Plan (QAPP) for this project. Quality assurance and quality control measures appear to have been satisfactory during the course of the project. No data were rejected due to improper collection techniques or sample delivery issues.

3.1.1 Duplicate Samples

A comparison of primary and duplicate samples is provided in tables where there were reported detections in an adjacent column called Relative Percent Difference (RPD). The RPD is defined as 100 times the difference between the two samples, divided by the mean of the two samples. A small RPD indicates good correlation between the two samples, in groundwater, RPD values of less than 30 percent are desirable, whereas for soils, larger RPDs are acceptable because the materials are heterogeneous. Metals in MW-9 were the only compounds detected in groundwater samples with a corresponding duplicate sample, and the RPD value was 0 percent for all metals reported above laboratory detection limits, indicating an extremely good correlation between samples. For soil samples, metals and PAHs were the only analytes detected

in both primary and duplicate samples. The RPD ranged from 0 to 21 percent for metals, and from 0 to 86 percent for PAHs. These RPD values are considered to be acceptable.

3.1.2 Laboratory vs. XRF Screening Results

A comparison between the results of soil samples analyzed by field screening methods to those obtained from laboratory analyses was also performed. The results of comparative analyses for metals are included in Table 11. The RPDs between XRF screening and laboratory analysis ranged from 0 to 198 percent. The XRF metals screening values were generally similar to or within a factor of two in comparison with the laboratory analytical values for lead, manganese and nickel. The results for arsenic, mercury, and iron tended to have much larger differences between screening and laboratory values, with the screening value being biased high. Following XRF screening of the samples collected on March 23, 2009 and March 24, 2009, the testing time settings on the XRF analyzer were adjusted to obtain greater accuracy, which resulted in a stronger correlation between some screening and laboratory results. Two of the three laboratory results that were reported in exceedance of residential screening levels (mercury in SS-FB-03 and arsenic in MW-3) were also reported above residential screening levels in XRF samples, indicating that the XRF is a useful screening tool. Once soil heterogeneity is accounted for, the results are considered acceptable for screening purposes.

3.1.3 Laboratory QA/QC

One set of laboratory SVOC groundwater results collected on April 20, 2009 was rejected due to analysis because of an error in laboratory preparation; the results from these samples have not been included or summarized because they are not useable. Samples were subsequently re-collected on May 15, 2009 and the results of the resample were determined to be within acceptable laboratory QA/QC protocol. With this exception, all samples were deemed to have adhered to acceptance policies by the analytical laboratories and all laboratory quality control issues (calibration check standards, method blanks, matrix spike samples, laboratory control samples, surrogate recoveries, etc.) were found to be appropriate.

The laboratory reporting limits for PCBs were below the new VT DOH residential screening level. The lack of any detections above the laboratory reporting limit in any sampled

media indicate that the historical use of PCBs at this Site is unlikely, and collecting a second set of soil samples for PCB analysis is not recommended for this Site.

The laboratory reporting limits for a small number of other analytes were above their respective screening levels or standards. These analytes were identified in the QAPP before sampling. In all cases, the absence of similar groups of analytes (VOCs or SVOCs) in all sampled media indicated that the affected analytes were likely not present at concentrations of concern.

3.1.4 QA/QC Conclusions

As a result of the analysis of the quality assurance and quality control issues related to this project, the analytical data for the project are deemed useable, accurate and complete for the purposes of this report.

3.0 CONCLUSIONS

3.1 OVERVIEW

The results of this ESA indicate that many of the compounds tested in soil and groundwater at the Site are not of significant concern, including PCBs, VOCs in most soil and all groundwater, SVOCs in some soils and all groundwater, and most metals in soils and groundwater.

Some metals and SVOCs were detected in soil above regulatory limits, and some metals were detected in groundwater above regulatory limits at the Site. In addition, the presence of asbestos containing building materials, lead-based paint, mold, ammonia and containerized materials were investigated in the factory building. These constituents of concern are discussed below.

3.2 METALS

Metals were field screened and selected samples were submitted for laboratory analysis. Residential soil screening levels were exceeded in surface soil samples submitted to the laboratory at locations near the factory building (3.7 mg/kg mercury in SS-FB-05), storage shed

(700 mg/kg lead in SS-SS-03) and approximate location of mapped storage tanks (2,540 mg/kg manganese in SS-T-5). In addition, residential soil screening levels were exceeded in one slightly deeper soil boring sample (43 mg/kg arsenic in MW-3).

Arsenic at or above the Vermont Groundwater Enforcement Standard (VGES) of 0.01 mg/L was reported in monitoring wells MW-2 and MW-5, which are located approximately 50 feet north and 110 feet south of the factory building, respectively, and in the sample collected from the sump inside the building's eastern end. Based on the depth to the bottom of the sump and the depth to groundwater, the water in the Sump is assumed to be groundwater and connected to the groundwater in MW-2. There is no apparent correlation between the elevated arsenic concentration outside the southeastern corner of the building (at the MW-3 soil boring) and the groundwater samples, which were not located downgradient of MW-3. Therefore, the elevated arsenic concentrations in groundwater are likely to be naturally occurring. Since the Site is supplied by municipal water, groundwater is not likely to be used for drinking at the Site, although it is currently accessible via the sump.

Manganese was detected in groundwater samples from all but two sampled wells at the Site, but not detected in the Sump sample. As with arsenic, there was no apparent correlation between elevated manganese soil concentrations located in the former reported oil tank area and the widespread elevated manganese groundwater concentrations. Manganese is likely to be naturally occurring, since it is believed that cheesemaking processes did not incorporate significant quantities of manganese. There did not appear to be a correlation between pH levels and manganese detections; very acidic or very basic groundwater may have the potential to mobilize manganese, but this does not appear to be occurring.

The former water supply well in the well tower could not be safely accessed or sampled. However, based on the widely distributed presence of manganese and arsenic detections, if the well is screened in shallow groundwater, it may contain elevated concentrations of both of these elements above VGES limits.

Discrete areas where elevated metals concentrations should be addressed include the area between the southeast corner of the building and the hollow pit, at MW-3 and SS-FB-05, where the presence of elevated concentrations of mercury and arsenic indicate possible dumping or disposal. The extents of these soils have not been delineated, but are assumed to include the volume to a depth of 2 feet bounded by the building and road (approximately 280 square feet), resulting in a total volume of approximately 21 cubic yards of soil. A small area (approximately 160 square feet) of lead-impacted surficial soils is present on the eastern side of the storage shed to a depth of 0.5 feet; the estimated volume is 3 cubic yards. Additional sampling would refine these volume estimates. Although elevated concentrations of manganese were present in one soil sample near the western edge of the former oil storage area, as stated previously the source of this manganese is believed to be naturally occurring and a volume of impacted soils has not been calculated.

3.4 SVOCS

A Toxic Equivalent Factor (TEF) was applied to the carcinogenic polycyclic aromatic hydrocarbon (PAH) range of semi-volatile organic compound (SVOC) soil results. The products of the results multiplied by the TEF were summed and compared to the Vermont Department of Health (VDH) benzo(a)pyrene-TE criterion of 0.01 mg/kg. The VDH benzo(a)pyrene-TE screening value was exceeded in all samples where PAHs were reported in exceedance of laboratory detection limits, including all shallow soil sampling surface (0-0.5 foot depth) results. Surficial and near surface samples that contained the highest PAH concentrations are present near the former rail spur, and in the center of the former oil storage area. An area of approximately 7,600 square feet in the vicinity of the former rail spur appears to be impacted by PAHs to a depth of 2 feet, resulting in an estimated soil volume of 560 cubic yards; this area is currently well vegetated with grass, brush, and/or trees. The discrete area containing elevated PAHs in the former oil storage area is estimated to cover approximately 300 square feet to an average depth of 1.5 feet, which results in a soil volume of 17 cubic yards; however, this soil is immediately adjacent to an operating railroad, and is likely to receive PAH deposition after remediation and may require additional controls to control direct-contact risks.

3.5 VOCS

In addition, one SVOC (and VOC), naphthalene, was detected above the residential RSL (3.9 mg/kg) but below the VDH criterion of 1,070 mg/kg at two locations: SS-AST-2 (surficial and near surface soils to 2 feet below ground surface), and SB-08 (1.5-2.0 feet). Both locations had elevated photoionization detector readings and visual evidence of petroleum staining. These areas of impact are expected to be relatively limited in area, based on the lack of elevated detections at nearby sampling locations.

3.6 ASBESTOS-CONTAINING MATERIALS

The asbestos inspection reported the following asbestos-containing building materials (ACBM) associated with the factory building:

- Basement: gray ceiling/wall panels in milk receiving room; milk silo room; production areas #1, 2, and 3; storage area #5
- First floor:
    - gray ceiling panels in ammonia compressor room, storage room #6/culture room, closet under stairs,
    - tan 9 inch x 9 inch vinyl floor tile in lab
- Second floor:
    - tan 9 inch x 9 inch vinyl floor tile in reception area, conference room (including closet)
    - gray 9 inch x 9 inch vinyl floor tile in bathroom, office floor, storage room floor
    - gold adhesive beneath gray tile in front reception area
    - cream/green linoleum in office bathroom
    - sheetrock compound at hallway wall edge and stairs
    - blue vinyl floor tile near bathrooms
    - black tar on cork in ceiling in the attic stock room
    - exterior blue siding

3.7 LEAD-BASED PAINT

There were positive detections of lead-based paints and coatings on surfaces on all parts of the factory building, with limited presence in the basement. Building exterior surfaces that exhibited lead detections include a first floor loading dock door, light blue shingles on an upper portion of the building, and slight positives associated with the coatings on the foundation.

3.8 MOLD ISSUES

At the time of the assessment, conditions for mold growth, including excessive moisture as a result of past or current roof leaks and the absence of heating or air conditioning in the building, were favorable. Four mold types were identified: mycelial fragments, Aspergillus/Penicillium, Cladiosporium, and Basidiospores. Unidentified/other mold types were also reported in 3 of the 4 samples. All four of the identified mold types are prevalent in outdoor environments in northern New England and common to indoor environments with high moisture contents.

3.9 CONTAINERIZED MATERIALS

Numerous containerized materials in the factory building used for various cleaning, maintenance, and compressor- related purposes were observed and inventoried, and the majority were labeled. A Department of Transportation (D.O.T) fingerprint analysis was conducted for containerized materials that were not labeled.

3.10 AMMONIA

Ammonia was confirmed to be present in a storage tank, and it is likely that residual ammonia is also present in the refrigeration system.

4.0 RECOMMENDATIONS

Based on the findings of this Phase II ESA, The Johnson Company provides the following recommendations:

- Although metals concentrations were detected in groundwater wells at concentrations exceeding Vermont Groundwater Enforcement Standards (VGES), VOCs and SVOCs were not detected above VGES, and there is no evidence to suggest existing impacts to groundwater from Site activities. The elevated concentrations of arsenic and manganese

in groundwater appear to be related to the successful degradation of petroleum products at the Site, and groundwater is not a source of drinking water at the Site.

- No remedial actions are recommended for groundwater unless a use is identified for the existing water supply well, in which case additional sampling should be conducted in advance of use. No additional water supply wells should be installed on the property without advance coordination with the Sites Management Section of VT DEC.
- A hollow pit of concrete rubble does not appear to be impacting groundwater or soil and no remedial actions are recommended to address the pit. However, this pit could pose a safety hazard for future redevelopment activities and should be managed appropriately.
- Additional sampling should be conducted to delineate the areal and vertical extent of the soils impacted by metals (arsenic, lead, manganese, and mercury) outside of the southeastern corner of the building.
- Additional sampling should be conducted to delineate the areal extent of surficial soils impacted by PAHs and naphthalene. If residential redevelopment is planned, these results should be used as part of a risk assessment to evaluate the potential human health risks associated with PAHs and naphthalene at the Site.
- Since no groundwater remediation is recommended, the existing onsite monitoring wells should be closed to prevent a conduit for contamination during any future Site uses.
- Once the building plans for the Site have been finalized, a Corrective Action Plan (CAP) should be developed in accordance with the VT DEC guidelines to address the following issues of concern at the Site:
    - Metals and PAH impacted shallow soils
    - Ammonia present in the abandoned refrigeration system
    - Containerized materials present in the factory building, if they have not already been removed by the owners
    - The water supply well
    - The sump inside the building
    - Asbestos, lead paint, and mold

Details of the CAP recommendations listed above are provided as follows:

- Once the building plans for the Site have been finalized, a Corrective Action Plan (CAP) should be developed in accordance with the VT DEC guidelines to address the following issues of concern at the Site:
  - Metals and PAH impacted shallow soils
  - Ammonia present in the abandoned refrigeration system
  - The water supply well
  - The sump inside the building
  - Asbestos, lead paint, and mold

  Details of the CAP recommendations listed above are provided as follows:

- Metals (arsenic, lead, manganese, and mercury) were reported in four surface and near-surface soil samples at concentrations above soil screening levels for residential soils. The soils outside the southeast corner of the building should be removed or covered, as should the soils on the northeast side of the storage shed. In addition, PAHs were reported at concentrations exceeding residential and industrial screening levels in locations surrounding the former rail spur and in the reported vicinity of the former tanks, in addition to isolated locations in other portions of the property. Currently, a complete vegetative covering at the rail spur area limits exposure to PAH compounds; however, if the Site use changes, remediation or land use restrictions should be applied to limit future exposures. In the former tank area, no action is recommended due to its proximity to the functioning rail line, which will be a continuing source of PAHs in the future.
- The presence of ammonia was confirmed in the abandoned refrigeration system. In its current condition, the ammonia refrigeration system does not pose an environmental hazard. However, it could pose a health and safety risk for future redevelopment activities. Ammonia in the storage tank should be pumped and reclaimed, and any

residual ammonia present in refrigeration system removed prior to demolition or reuse of the building.

- An onsite former water supply well could not be accessed during the Phase II field investigation. The well is not easily accessible and is unlikely to serve as a conduit for contamination into groundwater. However, elevated concentrations of arsenic and manganese have been detected in shallow groundwater at the Site. Although the screened interval of the supply well is not known, it should be sampled before any future uses. Alternatively, if it will not be used and future redevelopment activities would result in Site modifications making the well more accessible, the well should be demolished and properly decommissioned.
- Concentrations of arsenic were observed above VGES in a sump located in the factory building. Metals concentrations were consistent with surrounding shallow groundwater, and no remedial actions are recommended. However, exposure to the water in the sump should be prevented during redevelopment activities by removing the sump. Alternatively, since the sump may be connected to groundwater and it may not be possible to completely pump out, the sump could also be covered to secure access and prevent ingestion of the water.
- Asbestos containing building materials and lead-based paint should be handled and disposed of appropriately during demolition or reuse of the building. Asbestos was not detected in soil samples analyzed with Polarized Light Microscopy (PLM). However, chrysotile was reported in both soil samples analyzed with Transmission Electron Microscopy. Although no remedial actions would be required due to the presence of asbestos, best-management practices should be employed to limit exposure to dust during soil-disturbing activities.
- The presence of four mold types was confirmed in the factory building mold inspection. Although no remedial actions are recommended, best-management practices should be employed to limit exposure to mold during demolition or renovation activities, and conditions conducive to mold growth should be addressed prior to building reuse.

4.0 LIMITATIONS

This information is intended for the sole use of the Chittenden County Regional Planning Commission for the specific purpose of documenting Site contamination at the Richmond Creamery in Richmond, Vermont. No other uses, expressed or implied, are warranted. The design of the investigation was based on sound scientific techniques and experience with similar investigations. However, the conclusions of this assessment are based on limited information. Should additional information become available pertaining to environmental concerns, The Johnson Company reserves the right to re-evaluate conclusions made herein.

The conclusions of this report were derived from information provided to The Johnson Company from the following sources: the U.S. EPA; the Vermont Department of Environmental Conservation; Eastern Analytical, Inc.; Phoenix Environmental Laboratories, Inc.; Anglo-American Environmental, Inc.; EverGreen Environmental Health and Safety; Precision Industrial Maintenance, Inc., and subsurface investigations. Independent verification of the work performed by others was not always possible; therefore its accuracy and reliability cannot be warranted. No safe access to the on-site water supply well was possible, and groundwater from this well was not sampled. In addition, no sample could be collected using the available equipment from the bottom of the hollow pit, and groundwater monitoring wells were not sited directly downgradient of the pit, as the presumed direction of groundwater flow was incorrect. As a result, groundwater downgradient of the hollow pit has not been characterized.

This Report was prepared pursuant to Agreements between the Chittenden County Regional Planning Commission and The Johnson Company dated September 12, 2008 and December 18, 2008. All uses of this Report are subject to the conditions and restrictions contained in the Agreement. The observations and investigations described in this Report are based solely on the Scope of Services provided pursuant to the Agreement and subsequent amendments. The Johnson Company has not performed any additional observations, investigations, studies or other testing not specified in the Agreement or subsequent amendments. The Johnson Company shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under the Agreement. This work has been undertaken in accordance with generally accepted consulting practices. No other warranty, expressed or implied, is made.

This Report reflects Site conditions observed and described by records available to The Johnson Company as of the date of report preparation. The passage of time may result in significant changes in Site conditions, technology, or economic conditions, which could alter the findings and/or recommendations of the Report. Accordingly, the Client (Chittenden County Planning Commission) and any other party to whom the Report is provided recognize and agree that The Johnson Company shall bear no liability for deviations from observed conditions or available records after the time of Report preparation.

5.0 REFERENCES

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TABLES

Table 1 PCB Concrete and Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Concrete Samples

Parameter	Units	RSL Criterion (µg/kg)	CSFF-1 3/23/2009		CSFF-2 3/23/2009		CSFF-3 3/23/2009		CSFF-3 (DUP) 3/23/2009		CSFF-4 3/23/2009		CSFF-5 3/23/2009		CSFF-6 3/23/2009		CSFF-7 3/23/2009	
PCB-1016	µg/Kg	Total	<	170	<	160	<	160	<	160	<	160	<	170	<	160	<	160
PCB-1221	µg/Kg	Total	<	170	<	160	<	160	<	160	<	160	<	170	<	160	<	160
PCB-1232	µg/Kg	Total	<	170	<	160	<	160	<	160	<	160	<	170	<	160	<	160
PCB-1242	µg/Kg	Total	<	170	<	160	<	160	<	160	<	160	<	170	<	160	<	160
PCB-1248	µg/Kg	Total	<	170	<	160	<	160	<	160	<	160	<	170	<	160	<	160
PCB-1254	µg/Kg	Total	<	170	<	160	<	160	<	160	<	160	<	170	<	160	<	160
PCB-1260	µg/Kg	Total	<	170	<	160	<	160	<	160	<	160	<	170	<	160	<	160
PCB-1262	µg/Kg	Total	<	170	<	160	<	160	<	160	<	160	<	170	<	160	<	160
PCB-1268	µg/Kg	Total	<	170	<	160	<	160	<	160	<	160	<	170	<	160	<	160
Total PCBs	**µg/Kg**	**1000**		**ND**		**ND**		**ND**		**ND**		**ND**		**ND**		**ND**		**ND**

Parameter	Units	RSL Criterion (µg/kg)	CSFF-8 3/23/2009		CSFF-9 3/23/2009		CSFF-10 3/23/2009		CSS-1 3/23/2009		CSS-2 3/23/2009	
PCB-1016	µg/Kg	Total	<	170	<	170	<	160	<	160	<	160
PCB-1221	µg/Kg	Total	<	170	<	170	<	160	<	160	<	160
PCB-1232	µg/Kg	Total	<	170	<	170	<	160	<	160	<	160
PCB-1242	µg/Kg	Total	<	170	<	170	<	160	<	160	<	160
PCB-1248	µg/Kg	Total	<	170	<	170	<	160	<	160	<	160
PCB-1254	µg/Kg	Total	<	170	<	170	<	160	<	160	<	160
PCB-1260	µg/Kg	Total	<	170	<	170	<	160	<	160	<	160
PCB-1262	µg/Kg	Total	<	170	<	170	<	160	<	160	<	160
PCB-1268	µg/Kg	Total	<	170	<	170	<	160	<	160	<	160
Total PCBs	**µg/Kg**	**1000**		**ND**		**ND**		**ND**		**ND**		**ND**

Table 1 PCB Concrete and Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Soil Samples

Parameter	Units	RSL Criterion (µg/kg)	Sub Slab 2		SS-SS-PCB-01		SS-SS-PCB-02		SS-SS-PCB-03		SS-AST-PCB-01		SS-FB-PCB-01		SS-FB-PCB-02		SS-FB-PCB-03	
			3/24/2009		3/24/2009		3/24/2009		3/24/2009		3/24/2009		3/24/2009		3/24/2009		3/24/2009	
PCB-1016	µg/Kg	Total	<	220	<	180	<	340	<	190	<	200	<	190	<	210	<	200
PCB-1221	µg/Kg	Total	<	220	<	180	<	340	<	190	<	200	<	190	<	210	<	200
PCB-1232	µg/Kg	Total	<	220	<	180	<	340	<	190	<	200	<	190	<	210	<	200
PCB-1242	µg/Kg	Total	<	220	<	180	<	340	<	190	<	200	<	190	<	210	<	200
PCB-1248	µg/Kg	Total	<	220	<	180	<	340	<	190	<	200	<	190	<	210	<	200
PCB-1254	µg/Kg	Total	<	220	<	180	<	340	<	190	<	200	<	190	<	210	<	200
PCB-1260	µg/Kg	Total	<	220	<	180	<	340	<	190	<	200	<	190	<	210	<	200
PCB-1262	µg/Kg	Total	<	220	<	180	<	340	<	190	<	200	<	190	<	210	<	200
PCB-1268	µg/Kg	Total	<	220	<	180	<	340	<	190	<	200	<	190	<	210	<	200
Total PCBs	**µg/Kg**	**120***		**ND**		**ND**		**ND**		**ND**		**ND**		**ND**		**ND**		**ND**

Parameter	Units	RSL Criterion (µg/kg)	SS-FB-PCB-04		SS-TR-PCB-01		SS-TR-PCB-02		SS-TR-PCB-03		SS-WR-01	
			3/24/2009		3/24/2009		3/24/2009		3/24/2009		3/24/2009	
PCB-1016	µg/Kg	Total	<	200	<	230	<	230	<	240	<	260
PCB-1221	µg/Kg	Total	<	200	<	230	<	230	<	240	<	260
PCB-1232	µg/Kg	Total	<	200	<	230	<	230	<	240	<	260
PCB-1242	µg/Kg	Total	<	200	<	230	<	230	<	240	<	260
PCB-1248	µg/Kg	Total	<	200	<	230	<	230	<	240	<	260
PCB-1254	µg/Kg	Total	<	200	<	230	<	230	<	240	<	260
PCB-1260	µg/Kg	Total	<	200	<	230	<	230	<	240	<	260
PCB-1262	µg/Kg	Total	<	200	<	230	<	230	<	240	<	260
PCB-1268	µg/Kg	Total	<	200	<	230	<	230	<	240	<	260
Total PCBs	**µg/Kg**	**120***		**ND**		**ND**		**ND**		**ND**		**ND**

* = Laboratory reporting limit exceeds screening level

Table 2 VOC Water Results

Richmond Creamery, Richmond, VT

JCO Project #1-0346-3

Sample ID	VGES		Sump		MW-1		MW-2		MW-3		MW-4		MW-5	
Date	Standard	Units	4/14/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009	
Parameter														
Dichlorodifluoromethane	1,000	µg/L	<	5			<	1000	<	5	<	5	<	5
Chloromethane	-	µg/L	<	2			<	2	<	2	<	2	<	2
Vinyl chloride	2	µg/L	<	2			<	2	<	2	<	2	<	2
Bromomethane	10	µg/L	<	2			<	2	<	2	<	2	<	2
Chloroethane	-	µg/L	<	5			<	5	<	5	<	5	<	5
Trichlorofluoromethane	2,100	µg/L	<	5			<	5	<	5	<	5	<	5
Diethyl Ether	-	µg/L	<	5			<	5	<	5	<	5	<	5
Acetone	700	µg/L	<	10			<	10	<	10	<	10	<	10
1,1-Dichloroethene	70	µg/L	<	1			<	1	<	1	<	1	<	1
Methylene chloride	5	µg/L	<	5			<	5	<	5	<	5	<	5
Carbon disulfide	-	µg/L	<	5			<	5	<	5	<	5	<	5
Methyl-t-butyl ether(MTBE)	40	µg/L	<	5	<	5	<	5	<	5	<	5	<	5
trans-1,2-Dichloroethene	100	µg/L	<	2			<	2	<	2	<	2	<	2
1,1-Dichloroethane	70	µg/L	<	2			<	2	<	2	<	2	<	2
2,2-Dichloropropane	-	µg/L	<	2			<	2	<	2	<	2	<	2
cis-1,2-Dichloroethene	70	µg/L	<	2			<	2	<	2	<	2	<	2
2-Butanone(MEK)	4,200	µg/L	<	10			<	10	<	10	<	10	<	10
Bromochloromethane	90	µg/L	<	2			<	2	<	2	<	2	<	2
Tetrahydrofuran(THF)	-	µg/L	<	10			<	10	<	10	<	10	<	10
Chloroform	-	µg/L	<	2			<	2	<	2	<	2	<	2
1,1,1-Trichloroethane	200	µg/L	<	2			<	2	<	2	<	2	<	2
Carbon tetrachloride	5	µg/L	<	2			<	2	<	2	<	2	<	2
1,1-Dichloropropene	-	µg/L	<	2			<	2	<	2	<	2	<	2
Benzene	5	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
1,2-Dichloroethane	5	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Trichloroethene	5	µg/L	<	2			<	2	<	2	<	2	<	2
1,2-Dichloropropane	5	µg/L	<	2			<	2	<	2	<	2	<	2
Dibromomethane	-	µg/L	<	2			<	2	<	2	<	2	<	2
Bromodichloromethane	90.0	µg/L	<	1			<	1	<	1	<	1	<	1
4-Methyl-2-pentanone(MIBK)	560.0	µg/L	<	10			<	10	<	10	<	10	<	10
cis-1,3-Dichloropropene	-	µg/L	<	1			<	1	<	1	<	1	<	1
Toluene	1,000	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
trans-1,3-Dichloropropene	-	µg/L	<	1			<	1	<	1	<	1	<	1
1,1,2-Trichloroethane	5.0	µg/L	<	2			<	2	<	2	<	2	<	2

* = Laboratory reporting limit exceeds screening level

Table 2 VOC Water Results

Richmond Creamery, Richmond, VT

JCO Project #1-0346-3

Sample ID	VGES		Sump		MW-1		MW-2		MW-3		MW-4		MW-5	
Date	Standard	Units	4/14/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009	
Parameter														
2-Hexanone	-	µg/L	<	10			<	10	<	10	<	10	<	10
Tetrachloroethene	5	µg/L	<	2			<	2	<	2	<	2	<	2
1,3-Dichloropropane	0.5*	µg/L	<	2			<	2	<	2	<	2	<	2
Dibromochloromethane	60	µg/L	<	2			<	2	<	2	<	2	<	2
1,2-Dibromoethane(EDB)	0.05*	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Chlorobenzene	100	µg/L	<	2			<	2	<	2	<	2	<	2
1,1,1,2-Tetrachloroethane	70	µg/L	<	2			<	2	<	2	<	2	<	2
Ethylbenzene	700	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
mp-Xylene	-	µg/L	<	1	<	1		2	<	1	<	1	<	1
o-Xylene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Total Xylenes	10,000	ug/L	<	2	<	2		3	<	2	<	2	<	2
Styrene	100	µg/L	<	1			<	1	<	1	<	1	<	1
Bromoform	-	µg/L	<	2			<	2	<	2	<	2	<	2
IsoPropylbenzene	-	µg/L	<	1			<	1	<	1	<	1	<	1
Bromobenzene	-	µg/L	<	2			<	2	<	2	<	2	<	2
1,1,2,2-Tetrachloroethane	70	µg/L	<	2			<	2	<	2	<	2	<	2
1,2,3-Trichloropropane	5	µg/L	<	2			<	2	<	2	<	2	<	2
n-Propylbenzene	-	µg/L	<	1			<	1	<	1	<	1	<	1
2-Chlorotoluene	100	µg/L	<	2			<	2	<	2	<	2	<	2
4-Chlorotoluene	100	µg/L	<	2			<	2	<	2	<	2	<	2
1,3,5-Trimethylbenzene	-	µg/L	<	1	<	1		30	<	1	<	1	<	1
1,2,4-Trimethylbenzene	-	µg/L	<	1	<	1		16	<	1	<	1	<	1
Total Trimethylbenzenes	350	ug/L	<	2	<	2		46	<	2	<	2	<	2
tert-Butylbenzene	-	µg/L	<	1			<	1	<	1	<	1	<	1
sec-Butylbenzene	-	µg/L	<	1			<	1	<	1	<	1	<	1
1,3-Dichlorobenzene	600	µg/L	<	1			<	1	<	1	<	1	<	1
p-Isopropyltoluene	-	µg/L	<	1				1	<	1	<	1	<	1
1,4-Dichlorobenzene	75	µg/L	<	1			<	1	<	1	<	1	<	1
1,2-Dichlorobenzene	600	µg/L	<	1			<	1	<	1	<	1	<	1
n-Butylbenzene	-	µg/L	<	1			<	1	<	1	<	1	<	1
1,2-Dibromo-3-chloropropane	0.2*	µg/L	<	1			<	1	<	1	<	1	<	1
1,2,4-Trichlorobenzene	70	µg/L	<	1			<	1	<	1	<	1	<	1
Hexachlorobutadiene	1	µg/L	<	1			<	1	<	1	<	1	<	1
Naphthalene	20	µg/L	<	5	<	5	<	5	<	5	<	5	<	5
1,2,3-Trichlorobenzene	-	µg/L	<	1			<	1	<	1	<	1	<	1

* = Laboratory reporting limit exceeds screening level

Table 2 VOC Water Results

Richmond Creamery, Richmond, VT

JCO Project #1-0346-3

Sample ID	VGES		MW-6		MW-7		MW-8		MW-9		MW-9 (DUP)		Trip Blank	
Date	Standard	Units	4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		3/10/2009	
Parameter														
Dichlorodifluoromethane	1,000	µg/L	<	5	<	5	<	5	<	5	<	5	<	5
Chloromethane	-	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Vinyl chloride	2	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Bromomethane	10	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Chloroethane	-	µg/L	<	5	<	5	<	5	<	5	<	5	<	5
Trichlorofluoromethane	2,100	µg/L	<	5	<	5	<	5	<	5	<	5	<	5
Diethyl Ether	-	µg/L	<	5	<	5	<	5	<	5	<	5	<	5
Acetone	700	µg/L	<	10	<	10	<	10	<	10	<	10	<	10
1,1-Dichloroethene	70	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Methylene chloride	5	µg/L	<	5	<	5	<	5	<	5	<	5	<	5
Carbon disulfide	-	µg/L	<	5	<	5	<	5	<	5	<	5	<	5
Methyl-t-butyl ether(MTBE)	40	µg/L	<	5	<	5	<	5	<	5	<	5	<	5
trans-1,2-Dichloroethene	100	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
1,1-Dichloroethane	70	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
2,2-Dichloropropane	-	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
cis-1,2-Dichloroethene	70	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
2-Butanone(MEK)	4,200	µg/L	<	10	<	10	<	10	<	10	<	10	<	10
Bromochloromethane	90	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Tetrahydrofuran(THF)	-	µg/L	<	10	<	10	<	10	<	10	<	10	<	10
Chloroform	-	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
1,1,1-Trichloroethane	200	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Carbon tetrachloride	5	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
1,1-Dichloropropene	-	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Benzene	5	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
1,2-Dichloroethane	5	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Trichloroethene	5	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
1,2-Dichloropropane	5	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Dibromomethane	-	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Bromodichloromethane	90.0	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
4-Methyl-2-pentanone(MIBK)	560.0	µg/L	<	10	<	10	<	10	<	10	<	10	<	10
cis-1,3-Dichloropropene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Toluene	1,000	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
trans-1,3-Dichloropropene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
1,1,2-Trichloroethane	5.0	µg/L	<	2	<	2	<	2	<	2	<	2	<	2

* = Laboratory reporting limit exceeds screening level

Table 2 VOC Water Results

Richmond Creamery, Richmond, VT

JCO Project #1-0346-3

Sample ID	VGES		MW-6		MW-7		MW-8		MW-9		MW-9 (DUP)		Trip Blank	
Date	Standard	Units	4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		3/10/2009	
Parameter														
2-Hexanone	-	µg/L	<	10	<	10	<	10	<	10	<	10	<	10
Tetrachloroethene	5	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
1,3-Dichloropropane	0.5*	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Dibromochloromethane	60	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
1,2-Dibromoethane(EDB)	0.05*	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Chlorobenzene	100	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
1,1,1,2-Tetrachloroethane	70	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
Ethylbenzene	700	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
mp-Xylene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
o-Xylene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Total Xylenes	10,000	ug/L	<	2	<	2	<	2	<	2	<	2	<	2
Styrene	100	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Bromoform	-	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
IsoPropylbenzene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Bromobenzene	-	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
1,1,2,2-Tetrachloroethane	70	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
1,2,3-Trichloropropane	5	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
n-Propylbenzene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
2-Chlorotoluene	100	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
4-Chlorotoluene	100	µg/L	<	2	<	2	<	2	<	2	<	2	<	2
1,3,5-Trimethylbenzene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
1,2,4-Trimethylbenzene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Total Trimethylbenzenes	350	ug/L	<	2	<	2	<	2	<	2	<	2	<	2
tert-Butylbenzene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
sec-Butylbenzene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
1,3-Dichlorobenzene	600	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
p-Isopropyltoluene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
1,4-Dichlorobenzene	75	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
1,2-Dichlorobenzene	600	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
n-Butylbenzene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
1,2-Dibromo-3-chloropropane	0.2*	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
1,2,4-Trichlorobenzene	70	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Hexachlorobutadiene	1	µg/L	<	1	<	1	<	1	<	1	<	1	<	1
Naphthalene	20	µg/L	<	5	<	5	<	5	<	5	<	5	<	5
1,2,3-Trichlorobenzene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1

* = Laboratory reporting limit exceeds screening level

Table 3 SVOC Water Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID	VGES		Sump		MW-2		MW-5		MW-6		MW-7		MW-8		MW-9		MW-9 (DUP)	
Date	Standard	Units	4/14/2009		5/15/2009		5/15/2009		5/15/2009		5/15/2009		5/15/2009		5/15/2009		5/15/2009	
Parameter																		
Phenol	2,100	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
2-Chlorophenol	,	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
2,4-Dichlorophenol	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
2,4,5-Trichlorophenol	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
2,4,6-Trichlorophenol	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Pentachlorophenol	1*	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
2-Nitrophenol	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
4-Nitrophenol	-	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
2,4-Dinitrophenol	-	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
2-Methylphenol	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
3/4-Methylphenol	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
2,4-Dimethylphenol	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
4-Chloro-3-methylphenol	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
4,6-Dinitro-2-methylphenol	-	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
Benzoic Acid	1*	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
N-Nitrosodimethylamine	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
n-Nitroso-di-n-propylamine	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
n-Nitrosodiphenylamine	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
bis(2-Chloroethyl)ether	300	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
bis(2-chloroisopropyl)ether	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
bis(2-Chloroethoxy)methane	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
1,3-Dichlorobenzene	600	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
1,4-Dichlorobenzene	75	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
1,2-Dichlorobenzene	600	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
1,2,4-Trichlorobenzene	70	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
2-Chloronaphthalene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
4-Chlorophenyl-phenylether	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
4-Bromophenyl-phenylether	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Hexachloroethane	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Hexachlorobutadiene	1	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Hexachlorocyclopentadiene	50	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
Hexachlorobenzene	1	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
4-Chloroaniline	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
2-Nitroaniline	-	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
3-Nitroaniline	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
4-Nitroaniline	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Benzyl alcohol	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Nitrobenzene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Isophorone	100	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
2,4-Dinitrotoluene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
2,6-Dinitrotoluene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Benzidine	-	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
3,3'-Dichlorobenzidine	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Pyridine	-	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
Azobenzene	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Carbazole	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Dimethylphthalate	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Diethylphthalate	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Di-n-butylphthalate	-	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
Butylbenzylphthalate	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
bis(2-Ethylhexyl)phthalate	6	µg/L	<	5	<	5	<	5	<	5	<	5	<	5	<	5	<	5
Di-n-octylphthalate	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1
Dibenzofuran	-	µg/L	<	1	<	1	<	1	<	1	<	1	<	1	<	1	<	1

Note: Groundwater was resampled for SVOCs due to a lab error in preparing the 4/20/09 samples.

* = Laboratory reporting limit exceeds screening level

Table 4 PAH Water Results

Richmond Creamery, Richmond, VT

JCO Project #1-0346-3

Sample ID	VGES		Sump		MW-2		MW-5		MW-6	
Date	Standards	Units	4/20/2009		5/15/2009		5/15/2009		5/15/2009	
Parameter										
Naphthalene	20	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
2-Methylnaphthalene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Acenaphthylene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Acenaphthene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Fluorene	280	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Phenanthrene	280	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Anthracene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Fluoranthene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Pyrene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Benz[a]anthracene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Chrysene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Benzo[b]fluoranthene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Benzo[k]fluoranthene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Benzo[a]pyrene	0.2	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Indeno[1,2,3-cd]pyrene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Dibenz[a,h]anthracene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Benzo[g,h,i]perylene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1

Sample ID	VGES		MW-7		MW-8		MW-9		MW-9 (DUP)	
Date	Standards	Units	5/19/2009		5/15/2009		5/15/2009		5/15/2009	
Parameter										
Naphthalene	20	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
2-Methylnaphthalene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Acenaphthylene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Acenaphthene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Fluorene	280	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Phenanthrene	280	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Anthracene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Fluoranthene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Pyrene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Benz[a]anthracene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Chrysene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Benzo[b]fluoranthene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Benzo[k]fluoranthene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Benzo[a]pyrene	0.2	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Indeno[1,2,3-cd]pyrene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Dibenz[a,h]anthracene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1
Benzo[g,h,i]perylene	-	ug/l	<	0.1	<	0.1	<	0.1	<	0.1

Table 5 Metals Water Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID	VGES		Sump		MW-1		MW-2		MW-3		MW-4		MW-5	
Date	Standard		4/14/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009	
Parameter														
Antimony	0.006	mg/L	<	0.001	<	0.001	<	0.001	<	0.001		NS	<	0.001
Arsenic	0.010	mg/L		**0.012**	<	0.001		**0.016**		0.002		NS		**0.010**
Barium	2.000	mg/L		0.033		0.012		0.028		0.050		NS		0.027
Cadmium	0.005	mg/L	<	0.001	<	0.001	<	0.001	<	0.001		NS	<	0.001
Chromium	0.100	mg/L		0.003	<	0.001	<	0.001	<	0.001		NS	<	0.001
Lead	0.015	mg/L	<	0.001		0.001	<	0.001		0.004		NS	<	0.001
Manganese	0.300	mg/L		0.016		**0.31**		0.23		**0.400**		NS		**0.86**
Mercury	0.002	mg/L	<	0.0001	<	0.0001	<	0.0001	<	0.0001		NS	<	0.0001
Nickel	0.100	mg/L	<	0.001		0.007		0.004		0.003		NS		0.005
Selenium	0.050	mg/L	<	0.001	<	0.001	<	0.001		0.005		NS	<	0.001
Thallium	0.002	mg/L	<	0.001	<	0.001	<	0.001	<	0.001		NS	<	0.001

Sample ID	VGES		MW-6		MW-7		MW-8		MW-9		MW-9 (DUP)		Relative
Date	Standard		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		Percent
Parameter													Difference
Antimony	0.006	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	0%
Arsenic	0.010	mg/L		0.004		0.003	<	0.001		0.002		0.002	0%
Barium	2.000	mg/L		0.028		0.006		0.029		0.046		0.046	0%
Cadmium	0.005	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	0%
Chromium	0.100	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	0%
Lead	0.015	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	0%
Manganese	0.300	mg/L		**1.5**		**0.65**		**5.8**		**1.4**		**1.4**	0%
Mercury	0.002	mg/L	<	0.0001	<	0.0001	<	0.0001	<	0.0001	<	0.0001	0%
Nickel	0.100	mg/L		0.002		0.007		0.005		0.004		0.004	0%
Selenium	0.050	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	0%
Thallium	0.002	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	0%

White text/black cell = Result exceeds screening criterion
NS = Not sampled

Table 6 VOC Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter		RSL or VDH	SS-T-1				SS-T-2				SS-T-3				SS-T-3 (DUP)		SS-T-4				SS-T-5				SS-AST-1			
Sample Depth (Feet)		Criterion	0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0	
Date	Units	(mg/kg)	4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/14/2009		4/14/2009	
Parameter																												
Dichlorodifluoromethane	mg/kg	190																										
Chloromethane	mg/kg	1.7																										
Vinyl chloride	mg/kg	0.06*																										
Bromomethane	mg/kg	7.9																										
Chloroethane (Ethyl chloride)	mg/kg	15,000																										
Trichlorofluoromethane	mg/kg	800																										
Diethyl Ether	mg/kg	16,000																										
Acetone	mg/kg	61,000																										
1,1-Dichloroethene	mg/kg	250																										
Methylene chloride	mg/kg	11																										
Carbon disulfide	mg/kg	670																										
Methyl-t-butyl ether(MTBE)	mg/kg	39	<	0.10	<	0.10	<	0.20	<	0.20	<	0.10	<	0.10	<	0.20	<	0.10	<	0.10	<	0.10	<	0.10	<	0.20	<	0.20
trans-1,2-Dichloroethene [1]	mg/kg	135																										
1,1-Dichloroethane	mg/kg	3.4																										
2,2-Dichloropropane	mg/kg	None																										
cis-1,2-Dichloroethene [1]	mg/kg	673																										
2-Butanone(MEK) [1]	mg/kg	40,400																										
Bromochloromethane	mg/kg	None																										
Tetrahydrofuran(THF)	mg/kg	None																										
Chloroform	mg/kg	0.3																										
1,1,1-Trichloroethane	mg/kg	9,000																										
Carbon tetrachloride	mg/kg	0.25																										
1,1-Dichloropropene	mg/kg	None																										
Benzene [1]	mg/kg	6.24	<	0.07	<	0.06	<	0.06	<	0.06	<	0.07	<	0.06	<	0.10	<	0.06	<	0.06	<	0.07	<	0.06	<	0.09	<	0.09
1,2-Dichloroethane	mg/kg	0.45	<	0.07	<	0.06	<	0.06	<	0.06	<	0.07	<	0.06	<	0.10	<	0.06	<	0.06	<	0.07	<	0.06	<	0.09	<	0.09
Trichloroethene [1]	mg/kg	0.86																										
1,2-Dichloropropane	mg/kg	0.93																										
Dibromomethane	mg/kg	780																										
Bromodichloromethane	mg/kg	10																										
4-Methyl-2-pentanone(MIBK)	mg/kg	5,300																										
cis-1,3-Dichloropropene	mg/kg	1.70																										
Toluene	mg/kg	5,000	<	0.07	<	0.06	<	0.06	<	0.06	<	0.07	<	0.06	<	0.10	<	0.06	<	0.06	<	0.07	<	0.06	<	0.09		0.13
trans-1,3-Dichloropropene	mg/kg	1.70																										
1,1,2-Trichloroethane	mg/kg	1.10																										
2-Hexanone	mg/kg	None																										
Tetrachloroethene [1]	mg/kg	0.80																										
1,3-Dichloropropane	mg/kg	1,600																										
Dibromochloromethane	mg/kg	5.80																										
1,2-Dibromoethane(EDB)	mg/kg	0.034*	<	0.07	<	0.06	<	0.06	<	0.06	<	0.07	<	0.06	<	0.10	<	0.06	<	0.06	<	0.07	<	0.06	<	0.09	<	0.09
Chlorobenzene	mg/kg	310																										
1,1,1,2-Tetrachloroethane	mg/kg	2																										
Ethylbenzene	mg/kg	5.7	<	0.07	<	0.06	<	0.06	<	0.06	<	0.07	<	0.06	<	0.10	<	0.06	<	0.06	<	0.07	<	0.06	<	0.09	<	0.09
mp-Xylene	mg/kg	4,500	<	0.07	<	0.06	<	0.06	<	0.06	<	0.07	<	0.06	<	0.10	<	0.06	<	0.06	<	0.07	<	0.06	<	0.09		0.16
o-Xylene	mg/kg	5,300	<	0.07	<	0.06	<	0.06	<	0.06	<	0.07	<	0.06	<	0.10	<	0.06	<	0.06	<	0.07	<	0.06	<	0.09	<	0.09

[1]=VDH value used for screening
*=Laboratory reporting limit exceeds screening level

Table 6 VOC Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter		RSL or VDH	SS-T-1				SS-T-2				SS-T-3				SS-T-3 (DUP)		SS-T-4				SS-T-5				SS-AST-1			
Sample Depth (Feet)		Criterion	0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0	
Date	Units	(mg/kg)	4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/14/2009		4/14/2009	
Parameter																												
Styrene	mg/kg	6,500																										
Bromoform	mg/kg	61																										
IsoPropylbenzene (Cumene)	mg/kg	2,200																										
Bromobenzene	mg/kg	94																										
1,1,2,2-Tetrachloroethane	mg/kg	0.59																										
1,2,3-Trichloropropane	mg/kg	0.091*																										
n-Propylbenzene	mg/kg	None																										
2-Chlorotoluene	mg/kg	1,600																										
4-Chlorotoluene	mg/kg	5,500																										
1,3,5-Trimethylbenzene	mg/kg	47	<	0.07	<	0.06	<	0.06	<	0.06	<	0.07	<	0.06	<	0.10	<	0.06	<	0.06	<	0.07	<	0.06	<	0.09	<	0.09
tert-Butylbenzene	mg/kg	None																										
1,2,4-Trimethylbenzene	mg/kg	67	<	0.07	<	0.06	<	0.06	<	0.06	<	0.07	<	0.06	<	0.10	<	0.06	<	0.06	<	0.07	<	0.06	<	0.09	<	0.09
sec-Butylbenzene	mg/kg	None																										
1,3-Dichlorobenzene	mg/kg	None																										
p-Isopropyltoluene	mg/kg	None																										
1,4-Dichlorobenzene	mg/kg	2.60																										
1,2-Dichlorobenzene	mg/kg	2,000																										
n-Butylbenzene	mg/kg	None																										
1,2-Dibromo-3-chloropropane	mg/kg	0.0056*																										
1,2,4-Trichlorobenzene	mg/kg	87																										
Hexachlorobutadiene	mg/kg	6.2																										
Naphthalene [1]	mg/kg	1,070	<	0.40	<	0.30	<	0.30	<	0.40	<	0.40	<	0.40	<	0.60	<	0.30	<	0.30	<	0.40	<	0.30	<	0.50	<	0.60
1,2,3-Trichlorobenzene	mg/kg	None																										

[1]=VDH value used for screening
*=Laboratory reporting limit exceeds screening level

Table 6 VOC Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter		RSL or VDH	SS-AST-2				SS-BB-1				SS-PT-3		SS-PT-3		SS-PT-3 (DUP)				Sub Slab 2		SS-WR-01		SB-08	
Sample Depth (Feet)		Criterion	0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		0-0.5		1.5-2.0	
Date	Units	(mg/kg)	4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		3/24/2009		3/24/2009		4/15/2009	
Parameter																								
Dichlorodifluoromethane	mg/kg	190																	<	0.10	<	0.20	<	0.10
Chloromethane	mg/kg	1.7																	<	0.10	<	0.20	<	0.10
Vinyl chloride	mg/kg	0.06*																	<	0.10	<	0.20	<	0.10
Bromomethane	mg/kg	7.9																	<	0.10	<	0.20	<	0.10
Chloroethane (Ethyl chloride)	mg/kg	15,000																	<	0.10	<	0.20	<	0.10
Trichlorofluoromethane	mg/kg	800																	<	0.10	<	0.20	<	0.10
Diethyl Ether	mg/kg	16,000																	<	0.05	<	0.10	<	0.05
Acetone	mg/kg	61,000																	<	2.00	<	4.00	<	2.00
1,1-Dichloroethene	mg/kg	250																	<	0.05	<	0.10	<	0.05
Methylene chloride	mg/kg	11																	<	0.10	<	0.20	<	0.10
Carbon disulfide	mg/kg	670																	<	0.10	<	0.20	<	0.10
Methyl-t-butyl ether(MTBE)	mg/kg	39	<	0.10	<	0.10	<	0.10	<	0.20	<	0.20	<	0.10	<	0.20	<	0.10	<	0.10	<	0.20	<	0.10
trans-1,2-Dichloroethene [1]	mg/kg	135																	<	0.05	<	0.10	<	0.05
1,1-Dichloroethane	mg/kg	3.4																	<	0.05	<	0.10	<	0.05
2,2-Dichloropropane	mg/kg	None																	<	0.05	<	0.10	<	0.05
cis-1,2-Dichloroethene [1]	mg/kg	673																	<	0.05	<	0.10	<	0.05
2-Butanone(MEK) [1]	mg/kg	40,400																	<	0.50	<	1.00	<	0.50
Bromochloromethane	mg/kg	None																	<	0.05	<	0.10	<	0.05
Tetrahydrofuran(THF)	mg/kg	None																	<	0.50	<	< 1	<	0.50
Chloroform	mg/kg	0.3																	<	0.05	<	0.10	<	0.05
1,1,1-Trichloroethane	mg/kg	9,000																	<	0.05	<	0.10	<	0.05
Carbon tetrachloride	mg/kg	0.25																	<	0.05	<	0.10	<	0.05
1,1-Dichloropropene	mg/kg	None																	<	0.05	<	0.10	<	0.05
Benzene [1]	mg/kg	6.24	<	0.06	<	0.06	<	0.07	<	0.08	<	0.09	<	0.06	<	0.09	<	0.05	<	0.05	<	0.10	<	0.05
1,2-Dichloroethane	mg/kg	0.45	<	0.06	<	0.06	<	0.07	<	0.08	<	0.09	<	0.06	<	0.09	<	0.05	<	0.05	<	0.10	<	0.05
Trichloroethene [1]	mg/kg	0.86																	<	0.05	<	0.10	<	0.05
1,2-Dichloropropane	mg/kg	0.93																	<	0.05	<	0.10	<	0.05
Dibromomethane	mg/kg	780																	<	0.05	<	0.10	<	0.05
Bromodichloromethane	mg/kg	10																	<	0.05	<	0.10	<	0.05
4-Methyl-2-pentanone(MIBK)	mg/kg	5,300																	<	0.50	<	1.00	<	0.50
cis-1,3-Dichloropropene	mg/kg	1.70																	<	0.05	<	0.10	<	0.05
Toluene	mg/kg	5,000		0.14		0.05	<	0.07	<	0.08	<	0.09	<	0.06	<	0.09	<	0.05	<	0.05		0.10	<	0.05
trans-1,3-Dichloropropene	mg/kg	1.70																	<	0.05	<	0.10	<	0.05
1,1,2-Trichloroethane	mg/kg	1.10																	<	0.05	<	0.10	<	0.05
2-Hexanone	mg/kg	None																	<	0.10	<	0.20	<	0.10
Tetrachloroethene [1]	mg/kg	0.80																	<	0.05	<	0.10	<	0.05
1,3-Dichloropropane	mg/kg	1,600																	<	0.05	<	0.10	<	0.05
Dibromochloromethane	mg/kg	5.80																	<	0.05	<	0.10	<	0.05
1,2-Dibromoethane(EDB)	mg/kg	0.034*	<	0.06	<	0.06	<	0.07	<	0.08	<	0.09	<	0.06	<	0.09	<	0.05	<	0.05	<	0.10	<	0.05
Chlorobenzene	mg/kg	310																	<	0.05	<	0.10	<	0.05
1,1,1,2-Tetrachloroethane	mg/kg	2																	<	0.05	<	0.10	<	0.05
Ethylbenzene	mg/kg	5.7		0.07		0.37	<	0.07	<	0.08	<	0.09	<	0.06	<	0.09	<	0.05	<	0.05	<	0.10		0.18
mp-Xylene	mg/kg	4,500		1.30		2.30	<	0.07	<	0.08	<	0.09	<	0.06	<	0.09	<	0.05	<	0.05	<	0.10		0.18
o-Xylene	mg/kg	5,300		1.20		1.50	<	0.07	<	0.08	<	0.09	<	0.06	<	0.09	<	0.05	<	0.05	<	0.10		0.10

[1]=VDH value used for screening
*=Laboratory reporting limit exceeds screening level

Table 6 VOC Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter		RSL or VDH	SS-AST-2				SS-BB-1				SS-PT-3		SS-PT-3		SS-PT-3 (DUP)				Sub Slab 2		SS-WR-01		SB-08	
Sample Depth (Feet)		Criterion	0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		0-0.5		1.5-2.0	
Date	Units	(mg/kg)	4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		3/24/2009		3/24/2009		4/15/2009	
Parameter																								
Styrene	mg/kg	6,500																	<	0.05	<	0.10	<	0.05
Bromoform	mg/kg	61																	<	0.05	<	0.10	<	0.05
IsoPropylbenzene (Cumene)	mg/kg	2,200																	<	0.05	<	0.10		0.72
Bromobenzene	mg/kg	94																	<	0.05	<	0.10	<	0.05
1,1,2,2-Tetrachloroethane	mg/kg	0.59																	<	0.05	<	0.10	<	0.05
1,2,3-Trichloropropane	mg/kg	0.091*																	<	0.05	<	0.10	<	0.05
n-Propylbenzene	mg/kg	None																	<	0.05	<	0.10		1.8
2-Chlorotoluene	mg/kg	1,600																	<	0.05	<	0.10	<	0.05
4-Chlorotoluene	mg/kg	5,500																	<	0.05	<	0.10	<	0.05
1,3,5-Trimethylbenzene	mg/kg	47		9.30		4.80	<	0.07	<	0.08	<	0.09	<	0.06	<	0.09	<	0.05	<	0.05	<	0.10		1.10
tert-Butylbenzene	mg/kg	None																	<	0.05	<	0.10	<	0.05
1,2,4-Trimethylbenzene	mg/kg	67		5.10		9.70	<	0.07	<	0.08	<	0.09	<	0.06	<	0.09	<	0.05	<	0.05	<	0.10		7.90
sec-Butylbenzene	mg/kg	None																	<	0.05	<	0.10		2.8
1,3-Dichlorobenzene	mg/kg	None																	<	0.05	<	0.10	<	0.05
p-Isopropyltoluene	mg/kg	None																	<	0.05	<	0.10		2.3
1,4-Dichlorobenzene	mg/kg	2.60																	<	0.05	<	0.10	<	0.05
1,2-Dichlorobenzene	mg/kg	2,000																	<	0.05	<	0.10	<	0.05
n-Butylbenzene	mg/kg	None																	<	0.05	<	0.10		4.1
1,2-Dibromo-3-chloropropane	mg/kg	0.0056*																	<	0.05	<	0.10	<	0.05
1,2,4-Trichlorobenzene	mg/kg	87																	<	0.05	<	0.10	<	0.05
Hexachlorobutadiene	mg/kg	6.2																	<	0.05	<	0.10	<	0.05
Naphthalene [1]	mg/kg	1,070		5.10		8.40	<	0.40	<	0.50	<	0.50	<	0.30	<	0.50	<	0.30	<	0.10	<	0.20		6.80
1,2,3-Trichlorobenzene	mg/kg	None																	<	0.05	<	0.10	<	0.05

[1]=VDH value used for screening
*=Laboratory reporting limit exceeds screening level

Table 6 VOC Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter		RSL or VDH	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8		MW-9	
Sample Depth (Feet)		Criterion	15.5-16.0		12.0-13.0		13.0-14.0		13.0-14.0		11.0-12.0		7.5-8.0		6.5-7.0		7.0-7.5		4.5-5.0	
Date	Units	(mg/kg)	4/14/2009		4/14/2009		4/14/2009		4/14/2009		4/14/2009		4/15/2009		4/15/2009		4/15/2009		4/15/2009	
Parameter																				
Dichlorodifluoromethane	mg/kg	190			<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
Chloromethane	mg/kg	1.7			<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
Vinyl chloride	mg/kg	0.06*			<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
Bromomethane	mg/kg	7.9			<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
Chloroethane (Ethyl chloride)	mg/kg	15,000			<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
Trichlorofluoromethane	mg/kg	800			<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
Diethyl Ether	mg/kg	16,000			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Acetone	mg/kg	61,000			<	2.00	<	3.00	<	2.00	<	2.00	<	2.00	<	2.00	<	2.00	<	2.00
1,1-Dichloroethene	mg/kg	250			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Methylene chloride	mg/kg	11			<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
Carbon disulfide	mg/kg	670			<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
Methyl-t-butyl ether(MTBE)	mg/kg	39	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
trans-1,2-Dichloroethene [1]	mg/kg	135			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,1-Dichloroethane	mg/kg	3.4			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
2,2-Dichloropropane	mg/kg	None			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
cis-1,2-Dichloroethene [1]	mg/kg	673			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
2-Butanone(MEK) [1]	mg/kg	40,400			<	0.50	<	0.70	<	0.60	<	0.50	<	0.50	<	0.50	<	0.50	<	0.60
Bromochloromethane	mg/kg	None			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Tetrahydrofuran(THF)	mg/kg	None			<	0.50	<	0.70	<	0.60	<	0.50	<	0.50	<	0.50	<	0.50	<	0.60
Chloroform	mg/kg	0.3			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,1,1-Trichloroethane	mg/kg	9,000			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Carbon tetrachloride	mg/kg	0.25			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,1-Dichloropropene	mg/kg	None			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Benzene [1]	mg/kg	6.24	<	0.05	<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,2-Dichloroethane	mg/kg	0.45	<	0.05	<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Trichloroethene [1]	mg/kg	0.86			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,2-Dichloropropane	mg/kg	0.93			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Dibromomethane	mg/kg	780			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Bromodichloromethane	mg/kg	10			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
4-Methyl-2-pentanone(MIBK)	mg/kg	5,300			<	0.50	<	0.70	<	0.60	<	0.50	<	0.50	<	0.50	<	0.50	<	0.60
cis-1,3-Dichloropropene	mg/kg	1.70			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Toluene	mg/kg	5,000	<	0.05	<	0.05	<	0.07		0.20	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
trans-1,3-Dichloropropene	mg/kg	1.70			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,1,2-Trichloroethane	mg/kg	1.10			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
2-Hexanone	mg/kg	None			<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
Tetrachloroethene [1]	mg/kg	0.80			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,3-Dichloropropane	mg/kg	1,600			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Dibromochloromethane	mg/kg	5.80			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,2-Dibromoethane(EDB)	mg/kg	0.034*	<	0.05	<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Chlorobenzene	mg/kg	310			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,1,1,2-Tetrachloroethane	mg/kg	2			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Ethylbenzene	mg/kg	5.7	<	0.05	<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
mp-Xylene	mg/kg	4,500	<	0.05	<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
o-Xylene	mg/kg	5,300	<	0.05	<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06

[1]=VDH value used for screening
*=Laboratory reporting limit exceeds screening level

Table 6 VOC Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter		RSL or VDH	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8		MW-9	
Sample Depth (Feet)		Criterion	15.5-16.0		12.0-13.0		13.0-14.0		13.0-14.0		11.0-12.0		7.5-8.0		6.5-7.0		7.0-7.5		4.5-5.0	
Date	Units	(mg/kg)	4/14/2009		4/14/2009		4/14/2009		4/14/2009		4/14/2009		4/15/2009		4/15/2009		4/15/2009		4/15/2009	
Parameter																				
Styrene	mg/kg	6,500			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Bromoform	mg/kg	61			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
IsoPropylbenzene (Cumene)	mg/kg	2,200			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Bromobenzene	mg/kg	94			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,1,2,2-Tetrachloroethane	mg/kg	0.59			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,2,3-Trichloropropane	mg/kg	0.091*			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
n-Propylbenzene	mg/kg	None			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
2-Chlorotoluene	mg/kg	1,600			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
4-Chlorotoluene	mg/kg	5,500			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,3,5-Trimethylbenzene	mg/kg	47	<	0.05	<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
tert-Butylbenzene	mg/kg	None			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,2,4-Trimethylbenzene	mg/kg	67	<	0.05	<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
sec-Butylbenzene	mg/kg	None			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,3-Dichlorobenzene	mg/kg	None			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
p-Isopropyltoluene	mg/kg	None			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,4-Dichlorobenzene	mg/kg	2.60			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,2-Dichlorobenzene	mg/kg	2,000			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
n-Butylbenzene	mg/kg	None			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,2-Dibromo-3-chloropropane	mg/kg	0.0056*			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
1,2,4-Trichlorobenzene	mg/kg	87			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Hexachlorobutadiene	mg/kg	6.2			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06
Naphthalene [1]	mg/kg	1,070	<	0.30	<	0.10	<	0.10		0.10	<	0.10	<	0.10	<	0.10	<	0.10	<	0.10
1,2,3-Trichlorobenzene	mg/kg	None			<	0.05	<	0.07	<	0.06	<	0.05	<	0.05	<	0.05	<	0.05	<	0.06

[1]=VDH value used for screening
*=Laboratory reporting limit exceeds screening level

Table 7 PAH Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter	Units	Residential RSL or VDH Criterion	SS-WR-01		SS-NR-01		SS-NR-01		SS-NR-02		SS-NR-02		SS-RR-01		SS-RR-01	
Depth (feet)			0-0.5		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0	
Date			3/23/2009		3/23/2009		3/23/2009		3/23/2009		3/23/2009		3/23/2009		3/23/2009	
Naphthalene [1]	mg/kg	1,070	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
2-Methylnaphthalene	mg/kg	310	<	0.02		0.03	<	0.02	<	0.02	<	0.02	<	0.02		0.02
Acenaphthylene	mg/kg	None		0.03	<	0.02	<	0.02		0.02	<	0.02	<	0.02	<	0.02
Acenaphthene	mg/kg	3,400	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Fluorene	mg/kg	2,300		0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Phenanthrene	mg/kg	None		0.24		0.04	<	0.02		0.16	<	0.02		0.04		0.03
Anthracene	mg/kg	17,000		0.06	<	0.02	<	0.02		0.03	<	0.02	<	0.02	<	0.02
Fluoranthene	mg/kg	1,700		0.54		0.08	<	0.02		0.49		0.05		0.09		0.04
The following PAH compounds are compared			to a VDH of 0.01 mg/kg[PAH] using Toxic Equivalency Factors in Table 8:													
		Industrial RSL														
PyrenePAH	mg/kg	***17,000***		0.47		0.07	<	0.02		0.49		0.04		0.10		0.04
Benzo[a]anthracene	mg/kg	***20***		0.27		0.05	<	0.02		0.26		0.03		0.07		0.04
Chrysene	mg/kg	***210***		0.28		0.04	<	0.02		0.24		0.02		0.05		0.03
Benzo[b]fluoranthene	mg/kg	***20***		0.40		0.06	<	0.02		0.33		0.03		0.07		0.04
Benzo[k]fluoranthene	mg/kg	***21***		0.14		0.02	<	0.02		0.13	<	0.02		0.02	<	0.02
Benzo[a]pyrene	mg/kg	***0.2***		**0.28**		0.04	<	0.01		**0.25**		0.02		0.05		0.03
Indeno[1,2,3-cd]pyrene	mg/kg	***20.1***		0.13		0.03	<	0.02		0.12	<	0.02		0.03	<	0.02
Dibenz[a,h]anthracene	mg/kg	***0.2***		0.04	<	0.02	<	0.02		0.04	<	0.02	<	0.02	<	0.02
Benzo[g,h,i]perylene	mg/kg	***None***		0.14		0.04	<	0.02		0.13	<	0.02		0.03	<	0.02

[1] VDH Value used for screening
[PAH] - PAH toxic equivalent factor applied to compare against VDH criterion (see Table 8); Industrial RSL shown for comparison

Table 7 PAH Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter	Units	Residential RSL or VDH Criterion	SS-RR-02		SS-RR-02		SS-RR-03		SS-RR-03		SS-RR-04		SS-RR-04		SS-RR-05	
Depth (feet)			0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5	
Date			3/23/2009		3/23/2009		3/23/2009		3/23/2009		3/23/2009		3/23/2009		3/23/2009	
Naphthalene [1]	mg/kg	1,070		0.03	<	0.02	<	0.02		0.05		0.16		0.17		0.15
2-Methylnaphthalene	mg/kg	310		0.03	<	0.02	<	0.02		0.03		0.29		0.27		0.22
Acenaphthylene	mg/kg	None	<	0.02	<	0.02		0.04		0.09		0.14		0.16		0.24
Acenaphthene	mg/kg	3,400	<	0.02	<	0.02	<	0.02		0.09	<	0.02		0.05	<	0.02
Fluorene	mg/kg	2,300	<	0.02	<	0.02	<	0.02		0.13	<	0.02		0.06		0.02
Phenanthrene	mg/kg	None		0.05		0.03		0.16		1.70		0.31		0.95		0.43
Anthracene	mg/kg	17,000	<	0.02	<	0.02		0.02		0.37		0.08		0.14		0.09
Fluoranthene	mg/kg	1,700		0.21		0.10		0.59		2.90		0.82		1.80		1.50
The following PAH compounds are compared			to a VDH of 0.01 mg/kg^{PAH} using Toxic Equivalency Factors in Table 8:													
		Industrial RSL														
PyrenePAH	mg/kg	***17,000***		0.22		0.10		0.43		1.90		0.72		1.20		1.40
Benzo[a]anthracene	mg/kg	***20***		0.13		0.06		0.25		1.10		0.37		0.71		0.78
Chrysene	mg/kg	***210***		0.13		0.07		0.30		1.20		0.35		0.85		0.92
Benzo[b]fluoranthene	mg/kg	***20***		0.21		0.11		0.46		1.70		1.10		1.20		1.70
Benzo[k]fluoranthene	mg/kg	***21***		0.06		0.03		0.15		0.49		0.37		0.43		0.55
Benzo[a]pyrene	mg/kg	***0.2***		0.13		0.06		**0.30**		**1.10**		**0.40**		**0.58**		**1.10**
Indeno[1,2,3-cd]pyrene	mg/kg	***20.1***		0.07		0.03		0.15		0.43		0.27		0.23		0.51
Dibenz[a,h]anthracene	mg/kg	***0.2***		0.02	<	0.02		0.05		0.14		0.09		0.08		0.14
Benzo[g,h,i]perylene	mg/kg	***None***		0.07		0.04		0.16		0.40		0.22		0.18		0.52

[1] VDH Value used for screening
[PAH] - PAH toxic equivalent factor applied to compare against VDH criterion (see Table 8); Industrial RSL shown for comparison

Table 7 PAH Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter		Residential	SS-RR-05 (DUP)		Relative	SS-RR-05		SS-RR-05 (DUP)		Relative	SS-RR-06		SS-RR-07	
Depth (feet)		RSL or VDH	0-0.5		Percent	1.5-2.0		1.5-2.0		Percent	0-0.5		0-0.5	
Date	Units	Criterion		3/23/2009	Difference		3/23/2009		3/23/2009	Difference		3/23/2009		3/23/2009
Naphthalene [1]	mg/kg	1,070		0.13	14%		0.10		0.15	40%	<	0.02	<	0.02
2-Methylnaphthalene	mg/kg	310		0.17	26%		0.11		0.16	37%		0.03	<	0.02
Acenaphthylene	mg/kg	None		0.37	43%		0.46		10.10	183%		0.02		0.05
Acenaphthene	mg/kg	3,400	<	0.02	0%	<	0.02		0.03	40%	<	0.02	<	0.02
Fluorene	mg/kg	2,300		0.03	40%		0.05		0.11	75%	<	0.02	<	0.02
Phenanthrene	mg/kg	None		0.47	9%		0.84		1.60	62%		0.05		0.05
Anthracene	mg/kg	17,000		0.14	43%		0.19		0.42	75%	<	0.02		0.02
Fluoranthene	mg/kg	1,700		1.90	24%		3.70		6.80	59%		0.17		0.28
The following PAH compounds are compared			to a VDH of 0.01 mg/kg^{PAH} using Toxic Equivalency Factors in Table 8:											
		Industrial RSL												
PyrenePAH	mg/kg	***17,000***		2.00	35%		**3.5**		6.30	44%		0.13		0.28
Benzo[a]anthracene	mg/kg	***20***		1.00	25%		1.70		**30.10**	179%		0.09		0.19
Chrysene	mg/kg	***210***		1.30	34%		2.10		3.80	58%		0.11		0.19
Benzo[b]fluoranthene	mg/kg	***20***		20.10	169%		4.00		6.50	48%		0.18		0.34
Benzo[k]fluoranthene	mg/kg	***21***		0.77	33%		1.30		2.40	59%		0.05		0.11
Benzo[a]pyrene	mg/kg	***0.2***		**1.50**	31%		**2.70**		**4.60**	52%		0.09		**0.26**
Indeno[1,2,3-cd]pyrene	mg/kg	***20.1***		0.87	52%		1.30		2.20	51%		0.05		0.14
Dibenz[a,h]anthracene	mg/kg	***0.2***		**0.23**	49%		**0.36**		**0.59**	48%	<	0.02		0.04
Benzo[g,h,i]perylene	mg/kg	***None***		0.92	56%		1.40		2.20	44%		0.05		0.16

[1] VDH Value used for screening
[PAH] - PAH toxic equivalent factor applied to compare against VDH criterion (see Table 8); Industrial RSL shown for comparison

Table 7 PAH Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter	Units	Residential RSL or VDH Criterion	SS-RR-07		SS-RR-08		SS-RR-08		SS-RR-09		SS-RR-10		SS-RR-10		MW-1		MW-2	
Depth (feet)			**1.5-2.0**		**0-0.5**		**1.5-2.0**		**0-0.5**		**0-0.5**		**1.5-2.0**		**3.5-4.0**		**12.0-13.0**	
Date			**3/23/2009**		**3/23/2009**		**3/23/2009**		**3/23/2009**		**3/23/2009**		**3/23/2009**		**4/14/2009**		**4/14/2009**	
Naphthalene [1]	mg/kg	1,070	<	0.02		0.07		0.06		0.07	<	0.02		0.02	<	0.02	<	0.02
2-Methylnaphthalene	mg/kg	310	<	0.02		0.12		0.08		0.11		0.20		0.07	<	0.02	<	0.02
Acenaphthylene	mg/kg	None		0.09	<	0.02	<	0.02	<	0.02		0.04		0.06	<	0.02	<	0.02
Acenaphthene	mg/kg	3,400	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Fluorene	mg/kg	2,300	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Phenanthrene	mg/kg	None		0.14		0.11		0.16		0.15		0.13		0.29	<	0.02	<	0.02
Anthracene	mg/kg	17,000		0.05	<	0.02	<	0.02	<	0.02		0.04		0.05	<	0.02	<	0.02
Fluoranthene	mg/kg	1,700		0.54		0.10		0.20		0.24		0.34		0.56	<	0.02	<	0.02
The following PAH compounds are compared			to a VDH of 0.01 mg/kg^{PAH} using Toxic Equivalency Factors in Table 8:															
		Industrial RSL																
PyrenePAH	mg/kg	***17,000***		0.54		0.09		0.18		0.22		0.35		0.54	<	0.02	<	0.02
Benzo[a]anthracene	mg/kg	***20***		0.33		0.06		0.08		0.08		0.22		0.33	<	0.02	<	0.02
Chrysene	mg/kg	***210***		0.31		0.09		0.13		0.18		0.24		0.38	<	0.02	<	0.02
Benzo[b]fluoranthene	mg/kg	***20***		0.51		0.09		0.17		0.24		0.37		0.53	<	0.02	<	0.02
Benzo[k]fluoranthene	mg/kg	***21***		0.15		0.02		0.05		0.08		0.13		0.15	<	0.02	<	0.02
Benzo[a]pyrene	mg/kg	***0.2***		**0.38**		0.05		0.08		0.12		**0.25**		**0.36**	<	0.01	<	0.01
Indeno[1,2,3-cd]pyrene	mg/kg	***20.1***		0.23		0.03		0.05		0.10		0.17		0.21	<	0.02	<	0.02
Dibenz[a,h]anthracene	mg/kg	***0.2***		0.06	<	0.02	<	0.02		0.03		0.05		0.06	<	0.02	<	0.02
Benzo[g,h,i]perylene	mg/kg	***None***		0.27		0.04		0.06		0.10		0.18		0.23	<	0.02	<	0.02

[1] VDH Value used for screening
[PAH] - PAH toxic equivalent factor applied to compare against VDH criterion (see Table 8); Industrial RSL shown for comparison

Table 7 PAH Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter			MW-3		MW-4		MW-5		MW-6		MW-7		MW-8		MW-9		SB-08		SS-AST-1	
Depth (feet)			13.0-14.0		13.0-14.0		11.0-12.0		7.5-8.0		6.5-7.0		7.0-7.5		4.5-5.0		1.5-2.0		0-0.5	
Date	Units	Residential RSL or VDH Criterion	4/14/2009		4/14/2009		4/14/2009		4/15/2009		4/15/2009		4/15/2009		4/15/2009		4/15/2009		4/14/2009	
Naphthalene [1]	mg/kg	1,070	<	0.02		0.05	<	0.02	<	0.04	<	0.02	<	0.02	<	0.02		1.50		0.05
2-Methylnaphthalene	mg/kg	310	<	0.02		0.05	<	0.02	<	0.04	<	0.02	<	0.02	<	0.02		11.00		0.10
Acenaphthylene	mg/kg	None	<	0.02		0.07	<	0.02	<	0.04	<	0.02	<	0.02		0.06		0.21		0.07
Acenaphthene	mg/kg	3,400	<	0.02	<	0.02	<	0.02		0.05	<	0.02	<	0.02	<	0.02		0.54	<	0.02
Fluorene	mg/kg	2,300	<	0.02		0.04	<	0.02		0.34	<	0.02	<	0.02		0.03		1.90	<	0.02
Phenanthrene	mg/kg	None	<	0.02		0.28	<	0.02		0.52	<	0.02	<	0.02		0.27		4.20		0.05
Anthracene	mg/kg	17,000	<	0.02		0.08	<	0.02	<	0.04	<	0.02	<	0.02		0.09	<	0.08		0.13
Fluoranthene	mg/kg	1,700	<	0.02		0.52	<	0.02		0.04	<	0.02	<	0.02		0.62		0.20		0.02
The following PAH compounds are compared			to a VDH of 0.01 mg/kg^{PAH} using Toxic Equivalency Factors in Table 8:																	
		Industrial RSL																		
PyrenePAH	mg/kg	***17,000***	<	0.02		0.45	<	0.02		0.10	<	0.02	<	0.02		0.46		0.60		0.05
Benzo[a]anthracene	mg/kg	***20***	<	0.02		0.24	<	0.02		0.04	<	0.02	<	0.02		0.28	<	0.08	<	0.02
Chrysene	mg/kg	***210***	<	0.02		0.29	<	0.02	<	0.04	<	0.02	<	0.02		0.30	<	0.08		0.02
Benzo[b]fluoranthene	mg/kg	***20***	<	0.02		0.43	<	0.02	<	0.04	<	0.02	<	0.02		0.41	<	0.08		0.03
Benzo[k]fluoranthene	mg/kg	***21***	<	0.02		0.16	<	0.02	<	0.04	<	0.02	<	0.02		0.14	<	0.08	<	0.02
Benzo[a]pyrene	mg/kg	***0.2***	<	0.01		**0.29**	<	0.01	<	0.04	<	0.01	<	0.01		**0.28**	<	0.08		0.02
Indeno[1,2,3-cd]pyrene	mg/kg	***20.1***	<	0.02		0.16	<	0.02	<	0.04	<	0.02	<	0.02		0.15	<	0.08		0.05
Dibenz[a,h]anthracene	mg/kg	***0.2***	<	0.02		0.04	<	0.02	<	0.04	<	0.02	<	0.02		0.04	<	0.08	<	0.02
Benzo[g,h,i]perylene	mg/kg	***None***	<	0.02		0.14	<	0.02	<	0.04	<	0.02	<	0.02		0.13	<	0.08		0.07

[1] VDH Value used for screening
[PAH] - PAH toxic equivalent factor applied to compare against VDH criterion (see Table 8); Industrial RSL shown for comparison

Table 7 PAH Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter	Units	Residential RSL or VDH Criterion	SS-AST-1		SS-AST-2		SS-AST-2		SS-T-1		SS-T-1		SS-T-2		SS-T-2		SS-T-3	
Depth (feet)			**1.5-2.0**		**0-0.5**		**1.5-2.0**		**0-0.5**		**1.5-2.0**		**0-0.5**		**1.5-2.0**		**0-0.5**	
Date			**4/14/2009**		**4/20/2009**		**4/20/2009**		**4/20/2009**		**4/20/2009**		**4/20/2009**		**4/20/2009**		**4/20/2009**	
Naphthalene [1]	mg/kg	1,070		0.06		4.10		7.30	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
2-Methylnaphthalene	mg/kg	310		0.13		38.00		47.00	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Acenaphthylene	mg/kg	None		0.12		1.80		0.55		0.12	<	0.02		0.08	<	0.02		0.10
Acenaphthene	mg/kg	3,400	<	0.02		16.00		2.90	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Fluorene	mg/kg	2,300	<	0.02		30.00		7.20	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Phenanthrene	mg/kg	None		0.04		48.00		11.00		0.07	<	0.02		0.04	<	0.02		0.06
Anthracene	mg/kg	17,000		0.09	<	0.80	<	0.07		0.04	<	0.02		0.03	<	0.02		0.05
Fluoranthene	mg/kg	1,700		0.05		8.50		1.50		0.41	<	0.02		0.23	<	0.02		0.30
The following PAH compounds are compared			to a VDH of 0.01 mg/kg^{PAH} using Toxic Equivalency Factors in Table 8:															
		Industrial RSL																
PyrenePAH	mg/kg	***17,000***		0.07		37.00		4.60		0.58	<	0.02		0.28	<	0.02		0.35
Benzo[a]anthracene	mg/kg	***20***	<	0.02		2.00		0.52		0.23	<	0.02		0.13	<	0.02		0.16
Chrysene	mg/kg	***210***		0.23		1.30		0.40		0.28	<	0.02		0.15	<	0.02		0.18
Benzo[b]fluoranthene	mg/kg	***20***		0.08		1.40		0.46		0.59	<	0.02		0.29	<	0.02		0.38
Benzo[k]fluoranthene	mg/kg	***21***		0.02	<	0.80		0.15		0.19	<	0.02		0.10	<	0.02		0.13
Benzo[a]pyrene	mg/kg	***0.2***		0.07		**1.30**		**0.39**		**0.40**	<	0.01		**0.21**	<	0.01		**0.25**
Indeno[1,2,3-cd]pyrene	mg/kg	***20.1***		0.17	<	0.80		0.16		0.28	<	0.02		0.13	<	0.02		0.16
Dibenz[a,h]anthracene	mg/kg	***0.2***		0.03	<	**0.80**	<	0.07		0.05	<	0.02		0.03	<	0.02		0.03
Benzo[g,h,i]perylene	mg/kg	***None***		0.20	<	0.80		0.18		0.28	<	0.02		0.13	<	0.02		0.16

[1] VDH Value used for screening
^{PAH} - PAH toxic equivalent factor applied to compare against VDH criterion (see Table 8); Industrial RSL shown for comparison

Table 7 PAH Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter	Units	Residential RSL or VDH Criterion	SS-T-3 (DUP)		Relative	SS-T-3		SS-T-4		SS-T-4		SS-T-5		SS-T-5		SS-BB-1	
Depth (feet)			0-0.5		Percent	1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5	
Date			4/20/2009		Difference	4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009		4/20/2009	
Naphthalene [1]	mg/kg	1,070	<	0.02	0%	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
2-Methylnaphthalene	mg/kg	310	<	0.02	0%	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02		0.02
Acenaphthylene	mg/kg	None		0.06	50%	<	0.02	<	0.02	<	0.02		0.10	<	0.02	<	0.02
Acenaphthene	mg/kg	3,400	<	0.02	0%	<	0.02		0.11	<	0.02	<	0.02	<	0.02	<	0.02
Fluorene	mg/kg	2,300	<	0.02	0%	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Phenanthrene	mg/kg	None		0.05	18%	<	0.02		0.14	<	0.02		0.06		0.14		0.03
Anthracene	mg/kg	17,000	<	0.02	86%	<	0.02		0.06	<	0.02		0.05		0.04	<	0.02
Fluoranthene	mg/kg	1,700		0.23	26%		0.02		0.42		0.04		0.34		0.18		0.10
The following PAH compounds are compared			to a VDH of 0.01 mg/kgPAH using a Toxic Equivalency Factor in Table 8:														
		Industrial RSL															
PyrenePAH	mg/kg	***17,000***		0.31	12%		0.04		0.46		0.04		0.39		0.16		0.11
Benzo[a]anthracene	mg/kg	***20***		0.12	29%	<	0.02		0.20	<	0.02		0.18		0.08		0.05
Chrysene	mg/kg	***210***		0.15	18%		0.02		0.24		0.02		0.22		0.08		0.06
Benzo[b]fluoranthene	mg/kg	***20***		0.30	24%		0.03		0.47		0.04		0.46		0.11		0.11
Benzo[k]fluoranthene	mg/kg	***21***		0.10	26%	<	0.02		0.14	<	0.02		0.16		0.04		0.03
Benzo[a]pyrene	mg/kg	***0.2***		0.20	22%		0.02		**0.32**		0.02		**0.29**		0.08		0.07
Indeno[1,2,3-cd]pyrene	mg/kg	***20.1***		0.16	0%	<	0.02		0.22	<	0.02		0.18		0.05		0.04
Dibenz[a,h]anthracene	mg/kg	***0.2***		0.03	0%	<	0.02		0.04	<	0.02		0.04	<	0.02	<	0.02
Benzo[g,h,i]perylene	mg/kg	***None***		0.17	6%		0.02		0.21		0.02		0.17		0.05		0.04

[1] VDH Value used for screening
[PAH] - PAH toxic equivalent factor applied to compare against VDH criterion (see Table 8); Industrial RSL shown for comparison

Table 7 PAH Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter	Units	Residential RSL or VDH Criterion	SS-BB-1		SS-PT-3		SS-PT-3 (DUP)		Relative Percent Difference	SS-PT-3		SS-PT-3 (DUP)	
Depth (feet)			1.5-2.0		0-0.5		0-0.5			1.5-2.0		1.5-2.0	
Date			4/20/2009		4/20/2009		4/20/2009			4/20/2009		4/20/2009	
Naphthalene [1]	mg/kg	1,070	<	0.02	<	0.02	<	0.02	0%	<	0.02	<	0.02
2-Methylnaphthalene	mg/kg	310		0.03	<	0.02		0.02	0%	<	0.02	<	0.02
Acenaphthylene	mg/kg	None		0.02	<	0.02	<	0.02	0%	<	0.02	<	0.02
Acenaphthene	mg/kg	3,400	<	0.02	<	0.02	<	0.02	0%	<	0.02	<	0.02
Fluorene	mg/kg	2,300	<	0.02	<	0.02	<	0.02	0%	<	0.02	<	0.02
Phenanthrene	mg/kg	None		0.10		0.02		0.03	40%	<	0.02	<	0.02
Anthracene	mg/kg	17,000		0.02	<	0.02	<	0.02	0%	<	0.02	<	0.02
Fluoranthene	mg/kg	1,700		0.19		0.04		0.05	22%	<	0.02	<	0.02
The following PAH compounds are compared			to a VDH of 0.01 mg/kgPAH using a Toxic Equivalency Factor in Table 8:										
		Industrial RSL											
PyrenePAH	mg/kg	***17,000***		0.22		0.04		0.05	22%	<	0.02	<	0.02
Benzo[a]anthracene	mg/kg	***20***		0.10	<	0.02		0.02	0%	<	0.02	<	0.02
Chrysene	mg/kg	***210***		0.12		0.02		0.03	40%	<	0.02	<	0.02
Benzo[b]fluoranthene	mg/kg	***20***		0.21		0.04		0.05	22%	<	0.02	<	0.02
Benzo[k]fluoranthene	mg/kg	***21***		0.07	<	0.02	<	0.02	0%	<	0.02	<	0.02
Benzo[a]pyrene	mg/kg	***0.2***		0.12		0.02		0.03	40%	<	0.01	<	0.01
Indeno[1,2,3-cd]pyrene	mg/kg	***20.1***		0.07	<	0.02	<	0.02	0%	<	0.02	<	0.02
Dibenz[a,h]anthracene	mg/kg	***0.2***	<	0.02	<	0.02	<	0.02	0%	<	0.02	<	0.02
Benzo[g,h,i]perylene	mg/kg	***None***		0.06	<	0.02	<	0.02	0%	<	0.02	<	0.02

[1] VDH Value used for screening
[PAH] - PAH toxic equivalent factor applied to compare against VDH criterion (see Table 8); Industrial RSL shown for comparison

Table 8 Toxicity Equivalent PAHs
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID	B(a)P	SS-WR-01		SS-NR-01		SS-NR-01		SS-NR-02		SS-NR-02	
Sample Depth (Feet)	TE[1]	0-0.5		0-0.5		1.5-2.0		0-0.5		1.5-2.0	
	Factor	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE
		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Benzo(a)anthracene	0.100	0.27	0.03	0.05	0.01	< 0.02	0	0.26	0.03	0.03	0.003
Chrysene	0.001	0.28	0.0003	0.04	0.00004	< 0.02	0	0.24	0.0002	0.02	0.00002
Benzo(b)fluoranthene	0.100	0.4	0.04	0.06	0.01	< 0.02	0	0.33	0.03	0.03	0.003
Benzo(k)fluoranthene	0.010	0.1	0.00	0.02	0.0002	< 0.02	0	0.13	0.0013	< 0.02	0
Benzo(a)pyrene	1.000	0.28	0.28	0.04	0.04	< 0.01	0	0.25	0.25	0.02	0.02
Indeno(1,2,3-cd)pyrene	0.100	0.1	0.01	0.03	0.003	< 0.02	0	0.12	0.01	< 0.02	0
Dibenz(a,h)anthracene	1.000	0.0	0.04	< 0.02	0	< 0.02	0	0.04	0.04	< 0.02	0
Total B(a)P-TE (mg/kg)[2]			**0.40**		**0.05**		0		**0.36**		**0.03**

Sample ID	B(a)P	SS-RR-01		SS-RR-01		SS-RR-02		SS-RR-02		SS-RR-03	
Sample Depth (Feet)	TE[1]	0-0.5		1.5-2.0		0-0.5		1.5-2.0		0-0.5	
	Factor	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE
		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Benzo(a)anthracene	0.100	0.07	0.007	0.04	0.004	0.13	0.013	0.06	0.006	0.25	0.025
Chrysene	0.001	0.05	0.00005	0.03	0.00003	0.13	0.00013	0.07	0.00007	0.30	0.00030
Benzo(b)fluoranthene	0.100	0.07	0.007	0.04	0.004	0.21	0.021	0.11	0.011	0.46	0.046
Benzo(k)fluoranthene	0.010	0.02	0.0002	< 0.02	0	0.06	0.001	0.03	0.000	0.15	0.002
Benzo(a)pyrene	1.000	0.05	0.05	0.03	0.03	0.13	0.13	0.06	0.06	0.30	0.30
Indeno(1,2,3-cd)pyrene	0.100	0.03	0.003	< 0.02	0	0.07	0.007	0.03	0.003	0.15	0.015
Dibenz(a,h)anthracene	1.000	< 0.02	0	< 0.02	0	0.02	0.020	< 0.02	0	0.05	0.05
Total B(a)P-TE (mg/kg)[2]			**0.07**		**0.04**		**0.19**		**0.08**		**0.44**

Sample ID	B(a)P	SS-RR-03		SS-RR-04		SS-RR-04		SS-RR-05		SS-RR-05	
Sample Depth (Feet)	TE[1]	1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0	
	Factor	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE
		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Benzo(a)anthracene	0.100	1.1	0.110	0.37	0.037	0.71	0.071	0.78	0.078	1.7	0.170
Chrysene	0.001	1.2	0.00120	0.35	0.00035	0.85	0.00085	0.92	0.0009	2.1	0.0021
Benzo(b)fluoranthene	0.100	1.7	0.170	1.1	0.110	1.2	0.120	1.7	0.170	4.0	0.400
Benzo(k)fluoranthene	0.010	0.49	0.005	0.37	0.004	0.43	0.004	0.55	0.006	1.3	0.013
Benzo(a)pyrene	1.000	1.1	1.10	0.40	0.40	0.58	0.58	1.1	1.10	2.7	2.70
Indeno(1,2,3-cd)pyrene	0.100	0.43	0.043	0.27	0.027	0.23	0.023	0.51	0.051	1.3	0.130
Dibenz(a,h)anthracene	1.000	0.14	0.140	0.09	0.090	0.08	0.080	0.14	0.140	0.36	0.360
Total B(a)P-TE (mg/kg)[2]			**1.57**		**0.67**		**0.88**		**1.55**		**3.78**

Note: Where the result did not exceed the reporting limit, a 0 value has been used in the TE calculation because using 1/2 the reporting limit results in an exceedence of the criterion

[1] = Toxicity Equivalent Factor (TEF) for comparison to benzo(a)pyrene = B(a)P TE

[2] = Total B(a)P TE is the sum of all toxicity equivalents; white text in black cell indicates TE > 0.01 mg/kg Vermont Department of Health criterion

Table 8 Toxicity Equivalent PAHs
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID	B(a)P	SS-RR-05 (Dup)		SS-RR-05 (Dup)		SS-RR-06		SS-RR-07		SS-RR-07	
Sample Depth (Feet)	TE[1]	0-0.5		1.5-2.0		0-0.5		0-0.5		0.5-1.0	
	Factor	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE
		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Benzo(a)anthracene	0.100	1.0	0.100	3.1	0.310	0.09	0.009	0.19	0.019	0.33	0.033
Chrysene	0.001	1.3	0.0013	3.8	0.0038	0.11	0.0001	0.19	0.0002	0.31	0.0003
Benzo(b)fluoranthene	0.100	2.1	0.210	6.5	0.650	0.18	0.018	0.34	0.034	0.51	0.051
Benzo(k)fluoranthene	0.010	0.77	0.0077	2.4	0.0240	0.05	0.001	0.11	0.001	0.15	0.002
Benzo(a)pyrene	1.000	1.5	1.50	4.6	4.60	0.09	0.09	0.26	0.26	0.38	0.38
Indeno(1,2,3-cd)pyrene	0.100	0.87	0.087	2.2	0.220	0.05	0.005	0.14	0.014	0.23	0.023
Dibenz(a,h)anthracene	1.000	0.23	0.23	0.59	0.59	< 0.02	0	0.04	0.040	0.06	0.060
Total B(a)P-TE (mg/kg)[2]			**2.14**		**6.40**		**0.12**		**0.37**		**0.55**

Sample ID	B(a)P	SS-RR-08		SS-RR-08		SS-RR-09		SS-RR-10		SS-RR-10	
Sample Depth (Feet)	TE[1]	0-0.5		1.5-2.0		0-0.5		0-0.5		1.5-2.0	
	Factor	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE
		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Benzo(a)anthracene	0.100	0.06	0.006	0.08	0.008	0.08	0.008	0.22	0.022	0.33	0.033
Chrysene	0.001	0.09	0.0001	0.13	0.0001	0.18	0.0002	0.24	0.0002	0.38	0.0004
Benzo(b)fluoranthene	0.100	0.09	0.009	0.17	0.017	0.24	0.024	0.37	0.037	0.53	0.053
Benzo(k)fluoranthene	0.010	0.02	0.0002	0.05	0.0005	0.08	0.0008	0.13	0.0013	0.15	0.0015
Benzo(a)pyrene	1.000	0.05	0.05	0.08	0.08	0.12	0.12	0.25	0.25	0.36	0.36
Indeno(1,2,3-cd)pyrene	0.100	0.03	0.003	0.05	0.005	0.10	0.010	0.17	0.017	0.21	0.021
Dibenz(a,h)anthracene	1.000	< 0.02	0	< 0.02	0	0.03	0.03	0.05	0.05	0.06	0.06
Total B(a)P-TE (mg/kg)[2]			**0.07**		**0.11**		**0.19**		**0.38**		**0.53**

Sample ID	B(a)P	SS-AST-1		SS-AST-1		SS-AST-2		SS-AST-2		SB-08	
Sample Depth (Feet)	TE[1]	0-0.5		1.5-2.0		0-0.5		1.5-2.0		1.5-2.0	
	Factor	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE
		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Benzo(a)anthracene	0.100	< 0.02	0.00	< 0.02	0.0000	2.00	0.20	0.52	0.0520	< 0.08	0
Chrysene	0.001	0.02	0.00002	0.23	0.0002	1.30	0.00	0.40	0.0004	< 0.08	0
Benzo(b)fluoranthene	0.100	0.03	0.003	0.08	0.0080	1.40	0.14	0.46	0.0460	< 0.08	0
Benzo(k)fluoranthene	0.010	< 0.02	0.00	0.02	0.0002	< 0.80	0.00	0.15	0.0015	< 0.08	0
Benzo(a)pyrene	1.000	0.02	0.02	0.07	0.0700	1.30	1.30	0.39	0.3900	< 0.08	0
Indeno(1,2,3-cd)pyrene	0.100	0.05	0.005	0.17	0.0170	< 0.80	0.00	0.16	0.0160	< 0.08	0
Dibenz(a,h)anthracene	1.000	< 0.02	0.00	0.03	0.0300	< 0.80	0.00	< 0.07	0.0000	< 0.08	0
Total B(a)P-TE (mg/kg)[2]			**0.03**		**0.13**		**1.64**		**0.51**		0

Note: Where the result did not exceed the reporting limit, a 0 value has been used in the TE calculation because using 1/2 the reporting limit results in an exceedence of the criterion

[1] = Toxicity Equivalent Factor (TEF) for comparison to benzo(a)pyrene = B(a)P TE

[2] = Total B(a)P TE is the sum of all toxicity equivalents; white text in black cell indicates TE > 0.01 mg/kg Vermont Department of Health criterion

Table 8 Toxicity Equivalent PAHs
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID	B(a)P	MW-1			MW-2			MW-3			MW-4			MW-5		
Sample Depth (Feet)	TE[1]	3.5-4.0			12.0-13.0			13-14			13-14			11-12		
	Factor	Result		B(a)P TE	Result		B(a)P TE	Result		B(a)P TE	Result		B(a)P TE	Result		B(a)P TE
		(mg/kg)			(mg/kg)			(mg/kg)			(mg/kg)			(mg/kg)		
Benzo(a)anthracene	0.100	<	0.02	0	<	0.02	0	<	0.02	0		0.24	0.024	<	0.02	0
Chrysene	0.001	<	0.02	0	<	0.02	0	<	0.02	0		0.29	0.000	<	0.02	0
Benzo(b)fluoranthene	0.100	<	0.02	0	<	0.02	0	<	0.02	0		0.43	0.043	<	0.02	0
Benzo(k)fluoranthene	0.010	<	0.02	0	<	0.02	0	<	0.02	0		0.16	0.002	<	0.02	0
Benzo(a)pyrene	1.000	<	0.01	0	<	0.01	0	<	0.01	0		0.29	0.290	<	0.01	0
Indeno(1,2,3-cd)pyrene	0.100	<	0.02	0	<	0.02	0	<	0.02	0		0.16	0.016	<	0.02	0
Dibenz(a,h)anthracene	1.000	<	0.02	0	<	0.02	0	<	0.02	0		0.04	0.040	<	0.02	0
Total B(a)P-TE (mg/kg)[2]				0			0			0			**0.41**			0

Sample ID	B(a)P	MW-6			MW-7			MW-8			MW-9			SS-T-1		
Sample Depth (Feet)	TE[1]	7.5-8.0			6.5-7.0			7-7.5			4.5-5.0			0-0.5		
	Factor	Result		B(a)P TE	Result		B(a)P TE	Result		B(a)P TE	Result		B(a)P TE	Result		B(a)P TE
		(mg/kg)			(mg/kg)			(mg/kg)			(mg/kg)			(mg/kg)		
Benzo(a)anthracene	0.100		0.04	0.004	<	0.02	0	<	0.02	0		0.28	0.0280		0.23	0.0230
Chrysene	0.001	<	0.04	0	<	0.02	0	<	0.02	0		0.30	0.0003		0.28	0.0003
Benzo(b)fluoranthene	0.100	<	0.04	0	<	0.02	0	<	0.02	0		0.41	0.0410		0.59	0.0590
Benzo(k)fluoranthene	0.010	<	0.04	0	<	0.02	0	<	0.02	0		0.14	0.0014		0.19	0.0019
Benzo(a)pyrene	1.000	<	0.04	0	<	0.01	0	<	0.01	0		0.28	0.2800		0.40	0.4000
Indeno(1,2,3-cd)pyrene	0.100	<	0.04	0	<	0.02	0	<	0.02	0		0.15	0.0150		0.28	0.0280
Dibenz(a,h)anthracene	1.000	<	0.04	0	<	0.02	0	<	0.02	0		0.04	0.0400		0.05	0.0500
Total B(a)P-TE (mg/kg)[2]				0.004			0			0			**0.41**			**0.56**

Sample ID	B(a)P	SS-T-1			SS-T-2			SS-T-2			SS-T-3			SS-T-3 (DUP)		
Sample Depth (Feet)	TE[1]	1.5-2.0			0-0.5			1.5-2.0			0-0.5			0-0.5		
	Factor	Result		B(a)P TE	Result		B(a)P TE	Result		B(a)P TE	Result		B(a)P TE	Result		B(a)P TE
		(mg/kg)			(mg/kg)			(mg/kg)			(mg/kg)			(mg/kg)		
Benzo(a)anthracene	0.100	<	0.02	0		0.13	0.0130	<	0.02	0		0.16	0.0160		0.12	0.0120
Chrysene	0.001	<	0.02	0		0.15	0.0002	<	0.02	0		0.18	0.0002		0.15	0.0002
Benzo(b)fluoranthene	0.100	<	0.02	0		0.29	0.0290	<	0.02	0		0.38	0.0380		0.30	0.0300
Benzo(k)fluoranthene	0.010	<	0.02	0		0.10	0.0010	<	0.02	0		0.13	0.0013		0.10	0.0010
Benzo(a)pyrene	1.000	<	0.01	0		0.21	0.2100	<	0.01	0		0.25	0.2500		0.20	0.2000
Indeno(1,2,3-cd)pyrene	0.100	<	0.02	0		0.13	0.0130	<	0.02	0		0.16	0.0160		0.16	0.0160
Dibenz(a,h)anthracene	1.000	<	0.02	0		0.03	0.0300	<	0.02	0		0.03	0.0300		0.03	0.0300
Total B(a)P-TE (mg/kg)[2]				0			**0.30**			0			**0.35**			**0.29**

Note: Where the result did not exceed the reporting limit, a 0 value has been used in the TE calculation because using 1/2 the reporting limit results in an exceedence of the criterion

[1] = Toxicity Equivalent Factor (TEF) for comparison to benzo(a)pyrene = B(a)P TE

[2] = Total B(a)P TE is the sum of all toxicity equivalents; white text in black cell indicates TE > 0.01 mg/kg Vermont Department of Health criterion

Table 8 Toxicity Equivalent PAHs
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID	B(a)P	SS-T-3		SS-T-4		SS-T-4		SS-T-5		SS-T-5	
Sample Depth (Feet)	TE[1]	1.5-2.0		0-0.5		1.5-2.0		0-0.5		1.5-2.0	
	Factor	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE
		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Benzo(a)anthracene	0.100	< 0.02	0	0.20	0.0200	< 0.02	0	0.18	0.0180	0.08	0.0080
Chrysene	0.001	0.02	0.0000	0.24	0.0002	0.02	0.00002	0.22	0.0002	0.07	0.0001
Benzo(b)fluoranthene	0.100	0.03	0.0030	0.47	0.0470	0.04	0.004	0.46	0.0460	0.11	0.0110
Benzo(k)fluoranthene	0.010	< 0.02	0	0.14	0.0014	< 0.02	0	0.16	0.0016	0.04	0.0004
Benzo(a)pyrene	1.000	0.02	0.0200	0.32	0.3200	0.02	0.02	0.29	0.2900	0.04	0.0400
Indeno(1,2,3-cd)pyrene	0.100	< 0.02	0	0.22	0.0220	< 0.02	0	0.18	0.0180	0.05	0.0050
Dibenz(a,h)anthracene	1.000	< 0.02	0	0.04	0.0400	< 0.02	0	0.04	0.0400	< 0.02	0.0000
Total B(a)P-TE (mg/kg)[2]			**0.02**		**0.45**		**0.02**		**0.41**		**0.06**

Sample ID	B(a)P	SS-BB-1		SS-BB-1		SS-PT-3		SS-PT-3 (DUP)		SS-PT-3	
Sample Depth (Feet)	TE[1]	0-0.5		1.5-2.0		0-0.5		0-0.5		1.5-2.0	
	Factor	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE	Result	B(a)P TE
		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)		(mg/kg)	
Benzo(a)anthracene	0.100	0.05	0.0050	0.10	0.0100	< 0.02	0	0.02	0.0020	< 0.02	0
Chrysene	0.001	0.06	0.0001	0.12	0.0001	0.02	0.00	0.03	0.0000	< 0.02	0
Benzo(b)fluoranthene	0.100	0.11	0.0110	0.21	0.0210	0.04	0.00	0.05	0.0050	< 0.02	0
Benzo(k)fluoranthene	0.010	0.03	0.0003	0.07	0.0007	< 0.02	0	< 0.02	0	< 0.02	0
Benzo(a)pyrene	1.000	0.07	0.0700	0.12	0.1200	0.02	0.02	0.03	0.0300	< 0.01	0
Indeno(1,2,3-cd)pyrene	0.100	0.04	0.0040	0.07	0.0070	< 0.02	0	< 0.02	0	< 0.02	0
Dibenz(a,h)anthracene	1.000	< 0.02	0	< 0.02	0	< 0.02	0	< 0.02	0	< 0.02	0
Total B(a)P-TE (mg/kg)[2]			**0.09**		**0.16**		**0.02**		**0.04**		0

Sample ID	B(a)P	SS-PT-3 (DUP)	
Sample Depth (Feet)	TE[1]	1.5-2.0	
	Factor	Result	B(a)P TE
		(mg/kg)	
Benzo(a)anthracene	0.100	< 0.02	0
Chrysene	0.001	< 0.02	0
Benzo(b)fluoranthene	0.100	< 0.02	0
Benzo(k)fluoranthene	0.010	< 0.02	0
Benzo(a)pyrene	1.000	< 0.01	0
Indeno(1,2,3-cd)pyrene	0.100	< 0.02	0
Dibenz(a,h)anthracene	1.000	< 0.02	0
Total B(a)P-TE (mg/kg)[2]			0

Mean of SS-NR-01 and SS-NR-02 (0-0.5') = 0.208 mg/kg
Standard deviation = 0.218 mg/kg
95% confidence value = 0.3021 mg/kg

Upper confidence limit for surficial background = 0.51 mg/kg

Note: Where the result did not exceed the reporting limit, a 0 value has been used in the TE calculation because using 1/2 the reporting limit results in an exceedence of the criterion

[1] = Toxicity Equivalent Factor (TEF) for comparison to benzo(a)pyrene = B(a)P TE

[2] = Total B(a)P TE is the sum of all toxicity equivalents; white text in black cell indicates TE > 0.01 mg/kg Vermont Department of Health criterion

Table 9 Metals XRF Soil Screening Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter			Silver		Arsenic		Barium		Cadmium		Cobalt		Chromium		Copper	
Location	Sample Depth (feet)	Date														
MW-9	2.5-3	4/16/2009	<	37	<	13.0	<	475	<	49	<	195	<	101	<	23
MW-9	7.5-8	4/16/2009	<	68	<	22.0	<	723	<	89	<	230	<	169	<	44
MW-6	1-1.5	4/16/2009	<	64	<	22.0	<	763	<	83	<	281	<	187	<	41
MW-6	7.5-8	4/16/2009	<	48	<	15.0	<	562	<	63	<	227	<	133	<	31
MW-6	11.5-12	4/16/2009	<	109	<	36.0	<	1031	<	134	<	314	<	263	<	67
MW-6*	15-15.5	4/16/2009	<	40	<	12.0		756	<	53	<	210	<	112	<	24
MW-5	3.5-4	4/16/2009	<	220	<	84.0	<	2062	<	246	<	424	<	426	<	182
MW-5*	3.5-4	4/16/2009	<	36		15.0		553	<	47	<	184	<	99		24
MW-5	7.5-8	4/16/2009	<	32	<	9.0	<	368	<	42	<	140	<	79	<	20
MW-5	11.5-12	4/16/2009	<	33	<	10.0	<	389	<	44	<	162	<	92	<	21
MW-5	15.5-16	4/16/2009	<	33	<	10.0		514	<	44	<	154	<	88	<	21
MW-3	0-0.5	4/16/2009	<	34	<	13.0	<	437	<	44	<	167	<	91		78
MW-5	3.5-4	4/16/2009	<	34	<	12.0		602	<	45	<	142	<	90		35
MW-3*	1.5-2	4/16/2009	<	37		76.0	<	547	<	48	<	292		153		123
MW-3	15.5-16	4/16/2009	<	35		35.0	<	480	<	46	<	257		154		38
MW-3	16-20	4/16/2009	<	33	<	11.0		539	<	43	<	182	<	93		37
MW-4	0-0.5	4/16/2009	<	41	<	16.0	<	496	<	54	<	194	<	113	<	26
MW-4	2-2.5	4/16/2009	<	39	<	19.0		841	<	51	<	228		133		38
MW-4	11.5-12	4/16/2009	<	33	<	11.0		445	<	44	<	136	<	83	<	21
MW-4*	15.5-16	4/16/2009	<	36	<	12.0	<	480	<	48	<	215	<	109		45
MW-4	19.5-20	4/16/2009	<	33	<	10.0	<	377	<	44	<	138	<	85	<	20
MW-2	0-0.5	4/16/2009	<	34	<	11.0		453	<	44	<	171	<	93	<	21
MW-2	3-3.5	4/16/2009	<	34	<	10.0	<	416	<	45	<	132	<	88	<	21
MW-2	11.5-12	4/16/2009	<	34	<	10.0	<	400	<	44	<	143	<	88	<	20
MW-2	15.5-16	4/16/2009	<	32	<	9.0	<	373	<	42	<	126	<	74	<	19
MW-2	16-18	4/16/2009	<	38	<	11.0	<	474	<	49	<	198	<	110	<	24
MW-1*	0-0.5	4/16/2009	<	38	<	24.0	<	476	<	50	<	167	<	106	<	23
MW-1	3.5-4	4/16/2009	<	32	<	10.0	<	358	<	43	<	125	<	78		22
MW-1	7.5-8	4/16/2009	<	33	<	10.0	<	354	<	44	<	126	<	85	<	21
MW-1	15.5-16	4/16/2009	<	32	<	10.0	<	331	<	42	<	115		90	<	20
MW-7*	1.5-2	4/16/2009	<	33	<	10.0	<	403	<	43	<	142	<	83	<	21
MW-7	6.5-7	4/16/2009	<	32	<	9.0	<	363	<	43	<	110	<	78	<	20
MW-7	9.5-10	4/16/2009	<	36	<	11.0	<	438	<	48	<	146	<	92	<	21
MW-8*	1.5-2	4/16/2009	<	34	<	12.0	<	447	<	45	<	175	<	96	<	22
MW-8	7-7.5	4/16/2009	<	34	<	11.0		434	<	45	<	164	<	95	<	21

* = Sample selected for laboratory analysis

Table 9 Metals XRF Soil Screening Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter			Iron	Mercury		Manganese		Nickel		Lead		Selenium		Tin		Zinc	
Location	Sample Depth (feet)	Date															
MW-9	2.5-3	4/16/2009	28358	<	12		531		60		23	<	4	<	77		105
MW-9	7.5-8	4/16/2009	12467	<	24		203	<	59	<	21	<	9	<	143	<	29
MW-6	1-1.5	4/16/2009	19899	<	20		266	<	55		28	<	7	<	132	<	30
MW-6	7.5-8	4/16/2009	23476	<	15		183	<	43	<	15	<	5	<	100		31
MW-6	11.5-12	4/16/2009	10905	<	43	<	215	<	82	<	38	<	13	<	206	<	52
MW-6*	15-15.5	4/16/2009	28106	<	12		476	<	39	<	12	<	5	<	85		43
MW-5	3.5-4	4/16/2009	6988	<	60	<	365	<	169	<	93	<	23	<	356	<	116
MW-5*	3.5-4	4/16/2009	26968	<	10		365		50		27	<	4	<	75		92
MW-5	7.5-8	4/16/2009	19535	<	10		309		56	<	9		4	<	67		47
MW-5	11.5-12	4/16/2009	22763	<	10		307		42		18	<	3	<	70		60
MW-5	15.5-16	4/16/2009	20489	<	10		323	<	32	<	10	<	4	<	70		55
MW-3	0-0.5	4/16/2009	24510	<	10		381	<	32		45	<	4	<	70		251
MW-5	3.5-4	4/16/2009	17505	<	10		299	<	31		26	<	4	<	73		52
MW-3*	1.5-2	4/16/2009	62147	<	14		758		63		223	<	5		117		186
MW-3	15.5-16	4/16/2009	53380	<	11		2100		43	<	11	<	4	<	72		79
MW-3	16-20	4/16/2009	29938	<	10		364		56		17	<	4	<	70		60
MW-4	0-0.5	4/16/2009	22954	<	12		440	<	38		44	<	5	<	86		141
MW-4	2-2.5	4/16/2009	34846	<	13		395	<	40		80	<	5	<	82		84
MW-4	11.5-12	4/16/2009	16526	<	10		216	<	29		19	<	4	<	70		66
MW-4*	15.5-16	4/16/2009	35008	<	10		364	<	38		17	<	4	<	77		85
MW-4	19.5-20	4/16/2009	17294	<	10		262		35	<	9	<	4	<	69		31
MW-2	0-0.5	4/16/2009	25688	<	10		549		36		19	<	4	<	70		77
MW-2	3-3.5	4/16/2009	15112	<	9		332		33		11	<	4	<	72		28
MW-2	11.5-12	4/16/2009	18365	<	10		335		43		11	<	4	<	70		17
MW-2	15.5-16	4/16/2009	15759	<	9		225		39	<	9	<	3	<	67		21
MW-2	16-18	4/16/2009	26454	<	11		332	<	34	<	11	<	4	<	78		16
MW-1*	0-0.5	4/16/2009	19547	<	12		386	<	35		167	<	4	<	81		81
MW-1	3.5-4	4/16/2009	14561	<	10		288		29		14	<	4	<	68		29
MW-1	7.5-8	4/16/2009	14499	<	9		306		46		14	<	3	<	68		20
MW-1	15.5-16	4/16/2009	12256	<	9		231		31		17	<	3	<	68		17
MW-7*	1.5-2	4/16/2009	18265	<	10		300	<	31	<	9	<	4	<	69		29
MW-7	6.5-7	4/16/2009	11607	<	9		138	<	27		10	<	3	<	68		29
MW-7	9.5-10	4/16/2009	16199	<	12		205		39		14	<	4	<	77		38
MW-8*	1.5-2	4/16/2009	26485	<	10		359		66		27	<	3	<	72		279
MW-8	7-7.5	4/16/2009	22796	<	10		381		44		13	<	4	<	72		40

* = Sample selected for laboratory analysis

Table 9 Metals XRF Soil Screening Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter			Silver		Arsenic		Barium		Cadmium		Cobalt		Chromium		Copper	
Location	Sample Depth (feet)	Date														
SS-RR-06	0-0.5	3/24/2009	<	40	<	7	<	5	<	40		15		12		11
SS-RR-03	0-0.5	3/24/2009	<	39	<	7	<	5	<	40	<	14		7		8
SS-RR-05	0-0.5	3/24/2009	<	42		10	<	7	<	43		36		8		16
SS-RR-04	0-0.5	3/24/2009	<	41	<	9	<	6	<	41		35		5		18
SS-RR-07	0-0.5	3/24/2009	<	41		7	<	6	<	42		31		9		14
SS-RR-09	0-0.5	3/24/2009	<	48	<	10	<	9	<	50		32		13		12
SS-RR-07	0-0.5	3/24/2009	<	45	<	9	<	7	<	46		24		10		14
SS-RR-08*	0-0.5	3/24/2009	<	42		24	<	7	<	43	<	23		6		24
SS-RR-10	0-0.5	3/24/2009	<	37	<	6	<	5	<	37		15		9		13
SS-RR-01	0-0.5	3/24/2009	<	30	<	4	<	3	<	30	<	5		6	<	4
SS-NR-01	0-0.5	3/24/2009	<	43	<	7	<	8	<	44		36	<	5		9
SS-BB-01	0-0.5	3/24/2009	<	41	<	7	<	6	<	43	<	16		8		11
SS-BB-02	0-0.5	3/24/2009	<	38	<	7	<	5	<	39		19		7		10
SS-BB-03	0-0.5	3/24/2009	<	44	<	9	<	7	<	46	<	20		9		33
SS-FB-ACM-05*	0-0.5	3/24/2009	<	43	<	9	<	7	<	45		33		9		35
SS-FB-ACM-07	0-0.5	3/24/2009	<	36	<	6	<	4	<	36		13		8		13
SS-FB-ACM-04	0-0.5	3/24/2009	<	43	<	9	<	7	<	45	<	19		10		20
SS-FB-ACM-08	0-0.5	3/24/2009	<	42	<	8	<	7	<	43		30		8		9
SS-FB-ACM-02	0-0.5	3/24/2009	<	42	<	8	<	7	<	43		33		10		13
SS-FB-ACM-05	0-0.5	3/24/2009	<	42	<	9	<	7	<	43	<	20		9		56
SS-FB-ACM-01	0-0.5	3/24/2009	<	44		9	<	7	<	45	<	18		12		11
SS-FB-ACM-03	0-0.5	3/24/2009	<	41	<	8	<	6	<	42		21		8		12
SS-FB-ACM-06	0-0.5	3/24/2009	<	48	<	8	<	8	<	49		39		8		23
SS-CB-02	0-0.5	3/24/2009	<	42	<	8	<	6	<	43	<	15		8		11
SS-CB-01*	0-0.5	3/24/2009	<	40	<	22	<	5	<	41		21		9		44
SS-RR-02 1.5-2.0	0-0.5	3/24/2009	<	55	<	10	<	9	<	57	<	23		17		9
SS-NR-01 1-0.5	0-0.5	3/24/2009	<	56	<	9	<	8	<	56	<	20		18		8
SS-NR-02 1.5-2.0	0-0.5	3/24/2009	<	61	<	10	<	10	<	62	<	26		14	<	8
SS-AST-PCB-01	0-0.5	3/24/2009	<	48	<	9	<	8	<	49	<	21		15		12
SS-SS-PCB-01	0-0.5	3/24/2009	<	58	<	9	<	9	<	59	<	25		15	<	8
SS-SS-PCB-02	0-0.5	3/24/2009	<	41	<	8	<	5	<	40	<	13		6		9
SS-SS-PCB-03*	0-0.5	3/24/2009	<	49		67	<	9	<	49	<	27		10		11

* = Sample selected for laboratory analysis

Table 9 Metals XRF Soil Screening Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter			Iron		Mercury		Manganese		Nickel		Lead		Selenium		Tin		Zinc	
Location	Sample Depth (feet)	Date																
SS-RR-06	0-0.5	3/24/2009	1085		7		14	<	6		25		9		56		20	
SS-RR-03	0-0.5	3/24/2009	1284		9		17		8		26		12		54		27	
SS-RR-05	0-0.5	3/24/2009	2677		11		17		8		46		15		72		30	
SS-RR-04	0-0.5	3/24/2009	2921		7		14	<	7		46		12		45		18	
SS-RR-07	0-0.5	3/24/2009	1901		11		19		10		22		17		84		15	
SS-RR-09	0-0.5	3/24/2009	3999		8		21		14		36		9		86		45	
SS-RR-07	0-0.5	3/24/2009	2052		9		17		8		32		15		73		36	
SS-RR-08*	0-0.5	3/24/2009	3134		11		13		12		165		15		78		49	
SS-RR-10	0-0.5	3/24/2009	1083		6		12	<	5		29		13		68		23	
SS-RR-01	0-0.5	3/24/2009	206		3	<	3	<	4		13		8		49		10	
SS-NR-01	0-0.5	3/24/2009	2516		8		18		10		21		11		60		31	
SS-BB-01	0-0.5	3/24/2009	1452		6		21		7		20		12		65		33	
SS-BB-02	0-0.5	3/24/2009	1134		8		15	<	6		28		11		53		59	
SS-BB-03	0-0.5	3/24/2009	2133		10		23		9		38		15	<	45		62	
SS-FB-ACM-05*	0-0.5	3/24/2009	2230		14		19	<	7		43		15		67		734	
SS-FB-ACM-07	0-0.5	3/24/2009	857		7		10		6		30		14		77		29	
SS-FB-ACM-04	0-0.5	3/24/2009	2046		11		21		12		40		13		65		57	
SS-FB-ACM-08	0-0.5	3/24/2009	1833		10		24		13		32		14		67		86	
SS-FB-ACM-02	0-0.5	3/24/2009	1919		11		18		7		33		17		65		32	
SS-FB-ACM-05	0-0.5	3/24/2009	2287		16		12		10		46		11		56		792	
SS-FB-ACM-01	0-0.5	3/24/2009	1726		9		23		11		22		17		65		21	
SS-FB-ACM-03	0-0.5	3/24/2009	1749		12		20		11		38		16		51		31	
SS-FB-ACM-06	0-0.5	3/24/2009	3565		13		45		9		21		13	<	49		65	
SS-CB-02	0-0.5	3/24/2009	1334		8		18		7		31		13		82		29	
SS-CB-01*	0-0.5	3/24/2009	1825		20		24		9		378		21		244		221	
SS-RR-02 1.5-2.0	0-0.5	3/24/2009	1991		11		41	<	9		25		14	<	57		13	
SS-NR-01 1-0.5	0-0.5	3/24/2009	1371		9		23	<	8		15		11		72		27	
SS-NR-02 1.5-2.0	0-0.5	3/24/2009	2041		10		19	<	9		19		11		89		16	
SS-AST-PCB-01	0-0.5	3/24/2009	2013		6		13	<	7		26		11		94		72	
SS-SS-PCB-01	0-0.5	3/24/2009	1962		7		18		10		18		10	<	59		15	
SS-SS-PCB-02	0-0.5	3/24/2009	970		4		15	<	6		33		8	<	38		93	
SS-SS-PCB-03*	0-0.5	3/24/2009	3021		13		23		14		292		15	<	46		91	

* = Sample selected for laboratory analysis

Table 10 Metals Soil Laboratory Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID		RSL or VDH Criterion	SS-RR-08		Sub Slab 2		SS-CB-01		SS-WR-01		SS-FB-05		SS-SS-03	
Sample Depth (Feet)			0-0.5		0-0.5		0-0.5		0-0.5		0-0.5		0-0.5	
Date			3/23/2009		3/24/2009		3/23/2009		3/24/2009		3/23/2009		3/24/2009	
Parameter														
Aluminum	mg/kg	77,000		4,600		4,100		6,500		11,000		6,700		5,300
Antimony	mg/kg	31.0	<	1	<	1	<	1	<	1	<	1	<	1
Arsenic*	mg/kg	12		4.5		1.8		4.7		4.3		4.4		4.1
Barium	mg/kg	15,000		42		10		62		68		47		130
Beryllium	mg/kg	160.0	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Cadmium [1]	mg/kg	34.5	<	0.5	<	0.5		1.1	<	0.5		1.4		0.6
Chromium	mg/kg	280		7.5		9.3		19		16		14		13
Cobalt	mg/kg	23		5.0		17		4.9		7.7		4.7		5.1
Copper	mg/kg	3,100		17		7.4		37		20		93		41
Iron	mg/kg	55,000		13,000		8,400		13,000		18,000		18,000		15,000
Lead	mg/kg	400		110		4		290		28		88		**700**
Manganese	mg/kg	1,800		210		120		260		360		200		230
Mercury	mg/kg	0.67	<	0.1	<	0.1	<	0.1		0.1		**3.7**		0.1
Nickel	mg/kg	1,600		11		14		13		18		14		42
Selenium	mg/kg	390	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Silver	mg/kg	39	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Thallium	mg/kg	5.1	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Tin	mg/kg	47,000		1.8		0.3		18		1.4		1.5		4.8
Vanadium	mg/kg	390		9.1		8.8		12		21		16		180
Zinc	mg/kg	23,000		69		24		150		110		2,100		190

* = Typical Vermont background arsenic value of 12 mg/kg used as a screening level
White text/black cell = Result exceeds screening criterion
1 =VDH Value Applied; RSL Action Limit Applied for all other compounds

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Table 10 Metals Soil Laboratory Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID		RSL or VDH Criterion	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6	
Sample Depth (Feet)			0-0.5		16-18		1.5-2.0		15.5-16.0		3.5-4.0		15-15.5	
Date			4/16/2009		4/16/2009		4/16/2009		4/16/2009		4/16/2009		4/16/2009	
Parameter														
Aluminum	mg/kg	77,000		5,700		4,600		7,500		18,000		13,000		11,000
Antimony	mg/kg	31.0	<	1	<	1	<	1	<	1	<	1	<	1
Arsenic*	mg/kg	12		4.9		9.0		**43**		6.5		4.9		2.8
Barium	mg/kg	15,000		31		14		200		93		59		38
Beryllium	mg/kg	160.0	<	0.5	<	0.5		1.2		0.6	<	0.5	<	0.5
Cadmium [1]	mg/kg	34.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Chromium	mg/kg	280		12		17		11		29		19		17
Cobalt	mg/kg	23		4.8		6.9		5.7		12.0		8.0		7.0
Copper	mg/kg	3,100		11		15		49		25		21		13
Iron	mg/kg	55,000		13,000		18,000		15,000		26,000		19,000		20,000
Lead	mg/kg	400		160		5		72		12		25		6
Manganese	mg/kg	1,800		240		190		330		330		310		440
Mercury	mg/kg	0.67		0.1		0.1		0.1		0.1		0.2	<	0.1
Nickel	mg/kg	1,600		13		20		12		28		21		15
Selenium	mg/kg	390	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Silver	mg/kg	39	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Thallium	mg/kg	5.1	<	0.5	<	0.5		1.0	<	0.5	<	0.5	<	0.5
Tin	mg/kg	47,000		1.6	<	0.2		4.2		0.43		2.6		0.28
Vanadium	mg/kg	390		13		17		20		30		23		10
Zinc	mg/kg	23,000		52		20		75		79		71		19

* = Typical Vermont background arsenic value of 12 mg/kg used as a screening level
White text/black cell = Result exceeds screening criterion
1 =VDH Value Applied; RSL Action Limit Applied for all other compounds

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Table 10 Metals Soil Laboratory Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID		RSL or VDH Criterion	MW-7		MW-8		MW-9		SS-T-1		SS-T-1		SS-T-2	
Sample Depth (Feet)			1.5-2.0		1.5-2.0		2.5-3.0		0-0.5		1.5-2.0		0-0.5	
Date			4/16/2009		4/16/2009		4/16/2009		4/20/2009		4/20/2009		4/20/2009	
Parameter														
Aluminum	mg/kg	77,000		8,800		8,100		6,900		3,800		3,800		3,800
Antimony	mg/kg	31.0	<	1	<	1	<	1	<	0.5	<	0.5	<	0.5
Arsenic*	mg/kg	12		3.6		7.0		3.5		2.4		4.8		4.1
Barium	mg/kg	15,000		35		55		31		19		11		17
Beryllium	mg/kg	160.0	<	0.5		0.6	<	0.5	<	0.5	<	0.5	<	0.5
Cadmium [1]	mg/kg	34.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Chromium	mg/kg	280		15		13		12		7.7		8.7		8.0
Cobalt	mg/kg	23		6.8		6.8		5.4		3.5		5.2		4.8
Copper	mg/kg	3,100		12		15		10		8.7		11		12
Iron	mg/kg	55,000		16,000		13,000		14,000		9200		9,600		9,100
Lead	mg/kg	400		5		28		9		18		4.5		11.0
Manganese	mg/kg	1,800		280		240		290		210		230		210
Mercury	mg/kg	0.67	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Nickel	mg/kg	1,600		19		16		13		9.2		16		13
Selenium	mg/kg	390	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Silver	mg/kg	39	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Thallium	mg/kg	5.1	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Tin	mg/kg	47,000		0.29		2.0		0.49		0.5	<	0.2		0.3
Vanadium	mg/kg	390		16		16		14		7.7		8.5		7.9
Zinc	mg/kg	23,000		29		96		81		46.0		23		30

* = Typical Vermont background arsenic value of 12 mg/kg used as a screening level
White text/black cell = Result exceeds screening criterion
1 =VDH Value Applied; RSL Action Limit Applied for all other compounds

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Table 10 Metals Soil Laboratory Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID		RSL or VDH Criterion	SS-T-2		SS-T-3		SS-T-3 (DUP)		Relative Percent Difference	SS-T-3		SS-T-4	
Sample Depth (Feet)			1.5-2.0		0-0.5		0-0.5			1.5-2.0		0-0.5	
Date			4/20/2009		4/20/2009		4/20/2009			4/20/2009		4/20/2009	
Parameter													
Aluminum	mg/kg	77,000		3,100		4,000		3,700	**45%**		3,300		4,500
Antimony	mg/kg	31.0	<	0.5	<	0.5	<	0.5	**0%**	<	0.5	<	0.5
Arsenic*	mg/kg	12		5.0		3.5		4.2	**85%**		5.0		3.1
Barium	mg/kg	15,000		8		16		14	**41%**		8		26
Beryllium	mg/kg	160.0	<	0.5	<	0.5	<	0.5	**0%**	<	0.5	<	0.5
Cadmium [1]	mg/kg	34.5	<	0.5	<	0.5	<	0.5	**0%**	<	0.5	<	0.5
Chromium	mg/kg	280		8.2		10.0		8.2	**55%**		7.5		8.4
Cobalt	mg/kg	23		4.9		4.4		4.2	**60%**		4.7		4.1
Copper	mg/kg	3,100		10		11		12	**34%**		12		11
Iron	mg/kg	55,000		8,000		9,200		9,200	**51%**		8,200		10,000
Lead	mg/kg	400		3.2		10.0		8.5	**63%**		3.1		20.0
Manganese	mg/kg	1,800		220		210		170	**156%**		240		190
Mercury	mg/kg	0.67	<	0.1	<	0.1	<	0.1	**0%**	<	0.1	<	0.1
Nickel	mg/kg	1,600		16		13		14	**44%**		15		17
Selenium	mg/kg	390	<	0.5	<	0.5	<	0.5	**0%**	<	0.5	<	0.5
Silver	mg/kg	39	<	0.5	<	0.5	<	0.5	**0%**	<	0.5	<	0.5
Thallium	mg/kg	5.1	<	0.5	<	0.5	<	0.5	**0%**	<	0.5	<	0.5
Tin	mg/kg	47,000	<	0.2		0.3		0.3	**7%**	<	0.2		0.4
Vanadium	mg/kg	390		6.8		8.1		7.7	**30%**		7.1		8.8
Zinc	mg/kg	23,000		18		31		28	**31%**		18		56

* = Typical Vermont background arsenic value of 12 mg/kg used as a screening level
White text/black cell = Result exceeds screening criterion
1 =VDH Value Applied; RSL Action Limit Applied for all other compounds

K:\1-0346-3\Phase II\Data\Richmond Analyt

Table 10 Metals Soil Laboratory Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID		RSL or VDH Criterion	SS-T-4		SS-T-5		SS-T-5	
Sample Depth (Feet)			1.5-2.0		0-0.5		1.5-2.0	
Date			4/20/2009		4/20/2009		4/20/2009	
Parameter								
Aluminum	mg/kg	77,000		14,000		7,600		12,000
Antimony	mg/kg	31.0	<	0.5	<	0.5	<	0.5
Arsenic*	mg/kg	12		4.1		3.0		7.4
Barium	mg/kg	15,000		63		39		59
Beryllium	mg/kg	160.0	<	0.5	<	0.5	<	0.5
Cadmium [1]	mg/kg	34.5	<	0.5	<	0.5	<	0.5
Chromium	mg/kg	280		19.0		12.0		21.0
Cobalt	mg/kg	23		10.0		5.1		9.5
Copper	mg/kg	3,100		14		12		17
Iron	mg/kg	55,000		24,000		13,000		22,000
Lead	mg/kg	400		8.0		23.0		12.0
Manganese	mg/kg	1,800		480		**2,540**		310
Mercury	mg/kg	0.67	<	0.1	<	0.1	<	0.1
Nickel	mg/kg	1,600		26		16		25
Selenium	mg/kg	390	<	0.5	<	0.5	<	0.5
Silver	mg/kg	39	<	0.5	<	0.5	<	0.5
Thallium	mg/kg	5.1	<	0.5	<	0.5	<	0.5
Tin	mg/kg	47,000		0.3		0.6		0.5
Vanadium	mg/kg	390		21.0		14.0		19.0
Zinc	mg/kg	23,000		63		43		59

* = Typical Vermont background arsenic value of 12 mg/kg used as a screening level
White text/black cell = Result exceeds screening criterion
1 =VDH Value Applied; RSL Action Limit Applied for all other compounds

K:\1-0346-3\Phase II\Data\Richmond Analyt

Table 11 Metals XRF Soil Screening Compared to Laboratory Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID		SS-RR-08				SS-CB-01				MW-1				MW-2			
Sample Depth (Feet)		0-0.5				0-0.5				0-0.5				16-18			
Date		3/23/2009				3/23/2009				4/16/2009				4/16/2009			
		LAB		XRF	RPD	LAB		XRF	RPD	LAB		XRF	RPD	LAB		XRF	RPD
Parameter																	
Arsenic	mg/kg	4.5		24.5	138%	4.7	<	22.2	130%	4.9	<	24.0	132%	9.0	<	11.0	20%
Barium	mg/kg	42	<	7	146%	62	<	5	168%	31	<	476	176%	14		453	188%
Cadmium	mg/kg	0.5	<	43.0	195%	1.1	<	41	190%	0.5	<	50.0	196%	0.5	<	49.0	196%
Chromium	mg/kg	7.5		6.0	22%	19		9	71%	12	<	106	159%	17	<	110	146%
Cobalt	mg/kg	5.0	<	23.0	129%	4.9		21.0	124%	4.8	<	167.0	189%	6.9	<	198.0	187%
Copper	mg/kg	17		24	34%	37	<	44	17%	11	<	23	71%	15	<	24	46%
Iron	mg/kg	13,000		3,134	122%	13,000		1,825	151%	13,000		19,547	40%	18,000		26,454	38%
Lead	mg/kg	110		165	40%	290		378	26%	160		167	4%	5	<	11	78%
Manganese	mg/kg	210		13	177%	260		24	166%	240		386	47%	190		332	54%
Mercury	mg/kg	0.1		11.0	196%	0.1		20.0	198%	0.1	<	12.0	197%	0.1	<	11.0	196%
Nickel	mg/kg	11		12	9%	13		9	36%	13	<	35	92%	20	<	34	52%
Selenium	mg/kg	0.5		15.0	187%	0.5		21.0	191%	0.5	<	4.0	156%	0.5	<	4.0	156%
Silver	mg/kg	0.5	<	42.0	195%	0.5	<	39.9	195%	0.5	<	38.0	195%	0.5	<	38.0	195%
Tin	mg/kg	1.8		78.0	191%	18		244	173%	1.6	<	81.0	192%	0.2	<	78.0	199%
Zinc	mg/kg	69		49	34%	150		221	38%	52		81	44%	20		16	22%

Sample ID		SS-FB-05				SS-SS-03				MW-3				MW-4			
Sample Depth (Feet)		0-0.5				0-0.5				1.5-2.0				15.5-16.0			
Date		3/23/2009				3/24/2009				4/16/2009				4/16/2009			
		LAB		XRF	RPD	LAB		XRF	RPD	LAB		XRF	RPD	LAB		XRF	RPD
Parameter																	
Arsenic	mg/kg	4.4	<	9.2	71%	4.1		66.7	177%	43		76	55%	6.5	<	12.0	59%
Barium	mg/kg	47	<	7	148%	130	<	9	175%	200	<	547	93%	93	<	480	135%
Cadmium	mg/kg	1.4	<	45.0	188%	0.6	<	49.0	195%	0.5	<	48.0	196%	0.5	<	48.0	196%
Chromium	mg/kg	14		9	43%	13		10	26%	11		153	173%	29	<	109	116%
Cobalt	mg/kg	4.7		33.0	150%	5.1	<	27.0	136%	5.7		292.0	192%	12.0	<	215.0	179%
Copper	mg/kg	93		35	91%	41		11	115%	49		123	86%	25		45	57%
Iron	mg/kg	18,000		2,230	156%	15,000		3,021	133%	15,000		62,147	122%	26,000		35,008	30%
Lead	mg/kg	88		43	69%	700		292	82%	72		223	102%	12		17	34%
Manganese	mg/kg	200		19	165%	230		23	164%	330		758	79%	330		364	10%
Mercury	mg/kg	3.7		14.0	116%	0.1		13.0	197%	0.1	<	14.0	197%	0.1	<	10.0	196%
Nickel	mg/kg	14	<	7	67%	42		14	100%	12		63	136%	28	<	38	30%
Selenium	mg/kg	0.5		15.0	187%	0.5		15.0	187%	0.5	<	5.0	164%	0.5	<	4.0	156%
Silver	mg/kg	0.5	<	43.3	195%	0.5	<	49.2	196%	0.5	<	37.0	195%	0.5	<	39.0	195%
Tin	mg/kg	1.5		67.0	191%	4.8	<	46.0	162%	4.2		117.0	186%	0.43	<	77.00	198%
Zinc	mg/kg	2,100		734	96%	190		91	70%	75		186	85%	79		85	7%

Table 11 Metals XRF Soil Screening Compared to Laboratory Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID		MW-5					MW-6					MW-9				
Sample Depth (Feet)		3.5-4.0					15-15.5					2.5-3.0				
Date		4/16/2009					4/16/2009					4/16/2009				
		LAB		XRF		RPD	LAB		XRF		RPD	LAB		XRF		RPD
Parameter																
Arsenic	mg/kg		4.9		15.0	102%		2.8	<	12.0	124%		3.5	<	13.0	115%
Barium	mg/kg		59		553	161%		38		756	181%		31	<	475	175%
Cadmium	mg/kg	<	0.5	<	47.0	196%	<	0.5	<	53.0	196%	<	0.5	<	49.0	196%
Chromium	mg/kg		19	<	99	136%		17	<	112	147%		12	<	101	158%
Cobalt	mg/kg		8.0	<	184.0	183%		7.0	<	210.0	187%		5.4	<	195.0	189%
Copper	mg/kg		21		24	13%		13	<	24	59%		10	<	23	80%
Iron	mg/kg		19,000		26,968	35%		20,000		28,106	34%		14,000		28,358	68%
Lead	mg/kg		25		27	8%		6	<	12	73%		9		23	86%
Manganese	mg/kg		310		365	16%		440		476	8%		290		531	59%
Mercury	mg/kg		0.2	<	10.0	192%	<	0.1	<	12.0	197%	<	0.1	<	12.0	197%
Nickel	mg/kg		21		50	82%		15	<	39	89%		13		60	129%
Selenium	mg/kg	<	0.5	<	4.0	156%	<	0.5	<	5.0	164%	<	0.5	<	4.0	156%
Silver	mg/kg	<	0.5	<	36.0	195%	<	0.5	<	36.0	195%	<	0.5	<	37.0	195%
Tin	mg/kg		2.6	<	75.0	187%		0.28	<	85.00	199%		0.49	<	77.0	197%
Zinc	mg/kg		71		92	26%		19		43	77%		81		105	26%

Sample ID		MW-7					MW-8				
Sample Depth (Feet)		1.5-2.0					1.5-2.0				
Date		4/16/2009					4/16/2009				
		LAB		XRF		RPD	LAB		XRF		RPD
Parameter											
Arsenic	mg/kg		3.6	<	10.0	94%		7.0	<	12.0	53%
Barium	mg/kg		35	<	403	168%		55	<	447	156%
Cadmium	mg/kg	<	0.5	<	43.0	195%	<	0.5	<	45.0	196%
Chromium	mg/kg		15	<	83	139%		13	<	96	152%
Cobalt	mg/kg		6.8	<	142.0	182%		6.8	<	175.0	185%
Copper	mg/kg		12	<	21	55%		15	<	22	38%
Iron	mg/kg		16,000		18,265	13%		13,000		26,485	68%
Lead	mg/kg		5	<	9	54%		28		27	4%
Manganese	mg/kg		280		300	7%		240		359	40%
Mercury	mg/kg	<	0.1	<	10.0	196%	<	0.1	<	10.0	196%
Nickel	mg/kg		19	<	31	48%		16		66	122%
Selenium	mg/kg	<	0.5	<	4.0	156%	<	0.5	<	3.0	143%
Silver	mg/kg	<	0.5	<	33.0	194%	<	0.5	<	34.0	194%
Tin	mg/kg		0.29	<	69.00	198%		2.0	<	72.0	189%
Zinc	mg/kg		29		29	0%		96		279	98%

Table 12 SVOC Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Sample ID		RSL or VDH	SS-WR-01		SB-08		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7	
Sample Depth (Feet)		Criterion	0-0.5		1.5-2.0		12-13		13-14		13-14		11-12		7.5-8.0		6.5-7.0	
Date	Units	(mg/kg)	3/24/2009		4/15/2009		4/14/2009		4/14/2009		4/14/2009		4/14/2009		4/15/2009		4/15/2009	
Parameter																		
Phenol	mg/kg	18,000	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
2-Chlorophenol	mg/kg	390	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
2,4-Dichlorophenol	mg/kg	180	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
2,4,5-Trichlorophenol	mg/kg	6,100	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
2,4,6-Trichlorophenol	mg/kg	44	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Pentachlorophenol	mg/kg	3	<	1.0	<	4.0	<	1.0	<	1.0	<	1.0	<	1.0	<	2.0	<	1.0
2-Nitrophenol	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
4-Nitrophenol	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
2,4-Dinitrophenol	mg/kg	120	<	1.0	<	20.0	<	1.0	<	1.0	<	1.0	<	1.0	<	10.0	<	1.0
2-Methylphenol (o-Cresol)	mg/kg	3,100	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
3/4-Methylphenol (m,p-Cresol)	mg/kg	310	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
2,4-Dimethylphenol	mg/kg	1,200	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
4-Chloro-3-methylphenol	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
4,6-Dinitro-2-methylphenol	mg/kg	6.1	<	1.0	<	4.0	<	1.0	<	1.0	<	1.0	<	1.0	<	2.0	<	1.0
Benzoic Acid	mg/kg	240,000	<	1.0		7.0	<	1.0	<	1.0	<	1.0	<	1.0	<	2.0	<	1.0
N-Nitrosodimethylamine	mg/kg	0.0023*	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
n-Nitroso-di-n-propylamine	mg/kg	0.069*	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
n-Nitrosodiphenylamine	mg/kg	99	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
bis(2-Chloroethyl)ether	mg/kg	0.19*	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
bis(2-chloroisopropyl)ether	mg/kg	3.5	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
bis(2-Chloroethoxy)methane	mg/kg	180	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
1,3-Dichlorobenzene	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
1,4-Dichlorobenzene	mg/kg	2.6	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
1,2-Dichlorobenzene	mg/kg	2,000	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
1,2,4-Trichlorobenzene	mg/kg	87	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
2-Chloronaphthalene	mg/kg	6,300	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
4-Chlorophenyl-phenylether	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
4-Bromophenyl-phenylether	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Hexachloroethane	mg/kg	35	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Hexachlorobutadiene	mg/kg	6.2	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Hexachlorocyclopentadiene	mg/kg	370	<	1.0	<	4.0	<	1.0	<	1.0	<	1.0	<	1.0	<	2.0	<	1.0
Hexachlorobenzene	mg/kg	0.3	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
4-Chloroaniline	mg/kg	9	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
2-Nitroaniline	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
3-Nitroaniline	mg/kg	18	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
4-Nitroaniline	mg/kg	23	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Benzyl alcohol	mg/kg	31,000	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Nitrobenzene	mg/kg	31	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Isophorone	mg/kg	510	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
2,4-Dinitrotoluene	mg/kg	120	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
2,6-Dinitrotoluene	mg/kg	61	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Benzidine	mg/kg	0.0005	<	0.4	<	0.8	<	0.4	<	0.4	<	0.4	<	0.4	<	0.4	<	0.4
3,3'-Dichlorobenzidine	mg/kg	1.1	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Pyridine	mg/kg	78	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Azobenzene	mg/kg	4.9	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Carbazole	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Dimethylphthalate	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Diethylphthalate	mg/kg	49,000	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Di-n-butylphthalate (Dibutyl pht	mg/kg	6,100	<	0.5	<	0.8	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Butylbenzylphthalate	mg/kg	260	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
bis(2-Ethylhexyl)phthalate [1]	mg/kg	19.2	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0	<	1.0
Di-n-octylphthalate	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2
Dibenzofuran	mg/kg	None	<	0.3	<	0.8	<	0.2	<	0.2	<	0.2	<	0.2	<	0.4	<	0.2

* = Laboratory reporting limit exceeds screening level

[1] =VDH Value Applied; RSL Action Limit Applied for all other compounds

Table 13 Pesticide Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter	Units	RSL Criterion (mg/kg)	SS-PS-01		SS-PS-02	
Sample Depth (feet)			0-0.5		0-0.5	
Date			3/23/2009		3/23/2009	
Parameter						
Aldrin	mg/kg	0.0029	<	0.01	<	0.01
alpha-BHC (alpha-hexachlorocyclohexane)	mg/kg	0.077	<	0.01	<	0.01
beta-BHC (beta-hexachlorocyclohexane)	mg/kg	0.27	<	0.01	<	0.01
Lindane (gamma-BHC)	mg/kg	0.52	<	0.01	<	0.01
delta-BHC	mg/kg	0.27	<	0.01	<	0.01
Chlordane	mg/kg	1.6	<	0.1	<	0.1
4,4'-DDT	mg/kg	1.7	<	0.01	<	0.01
4,4'-DDE	mg/kg	1.4	<	0.01	<	0.01
4,4'-DDD	mg/kg	2.0	<	0.01	<	0.01
Dieldrin*	mg/kg	0.03	<	0.01	<	0.01
Endosulfan I	mg/kg	370	<	0.01	<	0.01
Endosulfan II	mg/kg	370	<	0.01	<	0.01
Endosulfan Sulfate	mg/kg	370	<	0.01	<	0.01
Endrin	mg/kg	18	<	0.01	<	0.01
Endrin Aldehyde	mg/kg	18	<	0.01	<	0.01
Endrin Ketone	mg/kg	18	<	0.01	<	0.01
Heptachlor	mg/kg	0.11	<	0.01	<	0.01
Heptachlor Epoxide*	mg/kg	0.053	<	0.01	<	0.01
Methoxychlor	mg/kg	310	<	0.01	<	0.01
Toxaphene*	mg/kg	0.44	<	0.10	<	0.10

* = Laboratory reporting limit exceeds screening level

Table 14 Asbestos Soil Results
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

Parameter	SS-RR-01	SS-RR-04	SS-RR-05*	SS-RR-08	SS-RR-09	SS-FB-ACM-01	SS-FB-ACM-02	SS-FB-ACM-03
Sample Depth (feet)	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**
Date	**3/23/2009**	**3/23/2009**	**3/23/2009**	**3/23/2009**	**3/23/2009**	**3/23/2009**	**3/23/2009**	**3/23/2009**
Asbestos	ND	ND	ND	ND	ND	ND	ND	ND

Paramater	SS-FB-ACM-04	SS-FB-ACM-05*	SS-FB-06	SS-FB-07	SS-FB-08	SS-CB-01	SS-CB-02
Sample Depth (feet)	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**	**0-0.5**
Date	**3/23/2009**	**3/23/2009**	**3/23/2009**	**3/23/2009**	**3/23/2009**	**3/23/2009**	**3/23/2009**
Asbestos	ND	ND	ND	ND	ND	ND	ND

Chrysotile was reported as "Present" in TEM Results for both samples SS-FB-ACM-05 and SS-RR-05

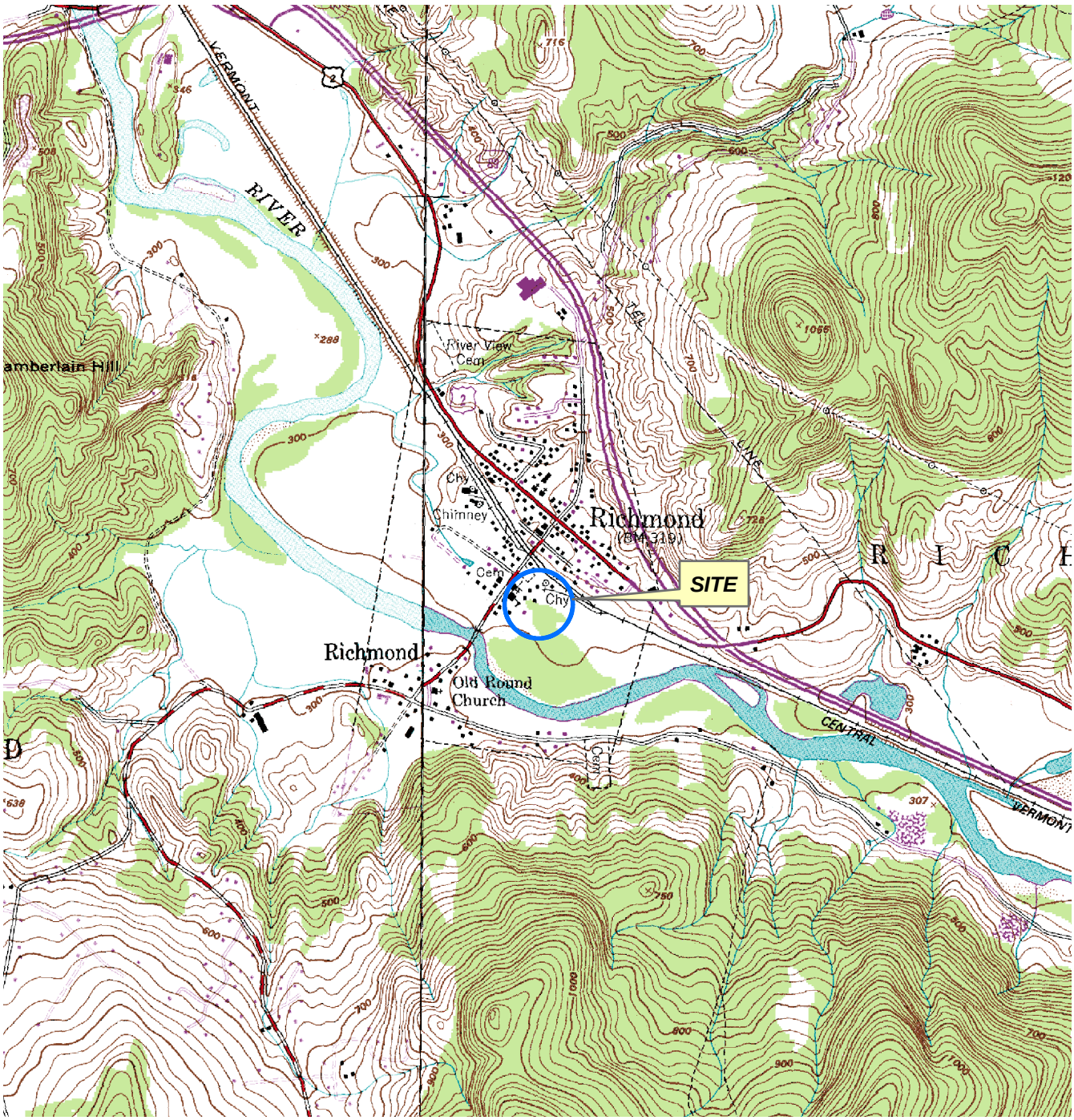
Table 15 Groundwater Elevation Levels
Richmond Creamery, Richmond, VT
JCO Project #1-0346-3

		4/20/2009		5/15/2009	
Well	Top of Casing Elevation (ft)	Depth To Water (ft)	Groundwater Elevation (ft)	Depth To Water (ft)	Groundwater Elevation (ft)
MW-1	101.64	11.88	89.76	11.78	89.86
MW-2	100.00	10.66	89.34	10.62	89.38
MW-3	91.26	18.56	72.70	18.52	72.74
MW-4	89.23	17.14	72.09	16.93	72.30
MW-5	79.53	6.42	73.11	6.3	73.23
MW-6	81.93	6.32	75.61	7.25	74.68
MW-7	91.15	6.48	84.67	5.93	85.22
MW-8	83.54	4.98	78.56	4.92	78.62
MW-9	78.14	5.52	72.62	7.11	71.03

Note: All elevations are measured off an arbitrary top of casing datum of MW-2 TOC = 100'

FIGURES

1-0346-3/GIS/100708 Figure 1.mxd



N

1 0.5 0 1
MILES

1000 0 1000 2000 3000 4000 5000 6000 7000
FEET

CONTOUR INTERVAL = 20 FT

MAP LOCATION

BASE MAP: USGS 7.5 Minute Topographic Quadrangle West side: Essex Junction, 1987; East side: Richmond, VT 1983

Figure 1. Site Location Map
Former Saputo Cheese/Richmond Creamery
Richmond, Vermont

The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: RTK	Date: 10/07/08
Chk'd by: MJM	Date: 10/07/08
Scale: 1:24,000	Project: 1-1470-13

1-0346-3/GIS/060109 All Samples.mxd

N
W E

Well
Water
Surface/Near Surface Soil Sample
Hand auger
Soil Boring
Asbestos and Metals Screening
PCB Sample
Vegetation
Railroad Tracks
Building
Property Boundary (Approx.)
Roads

Jolina Court
CB-02
CB-01
Possible location of former oil tanks (previous existence not confirmed) (Sanborn map, 1926, 1939)
N.E.C.R.R.
TR-PCB-02
SS-T-05
SS-T-04
SS-T-01
SS-T-03
SS-T-02
MW 1
TR-PCB-01
Town of Richmond Cemetery
SS-NR-02
MW 2
TR-PCB-03
FB-ACM-01
FB-ACM-02
SS-RR-10
10,000+/- gal AST
SS-AST-1
Factory Building
FB-ACM-08
CSFF-10
FB-ACM-03
SS-RR-09
RR-09
SS-RR-08
RR-08
AST-PCB-01
SS-PCB-01
CSFF-6
CSFF-5
Sump
SS-RR-07
SS-AST-2
CSS-2
FB-ACM-04
CSFF-9
CSFF-8
CSFF-4
CSFF-2
SS-RR-06
SS-SS-03
SS-BB-02
CSS-1
CSFF-3
RR-05
SS-RR-05
Storage shed
SS-PCB-02
FB-ACM-07
Subslab-2
CSFF-1
FB-05
SS-FB-05
Boiler building
CSFF-7
FB-PCB-03
FB-ACM-06
MW 3
SS-RR-04
RR-04
SS-BB-1
FB-PCB-01
MW 7
FB-PCB-02
FB-PCB-04
SS-RR-02
Hollow pit
MW 4
Approx. Rail spur (removed)
SS-RR-01
SS-RR-03/PS-02
RR-01
SS-PT-3
Fmr. Propane Tank
SS-PT-1
SS-PT-2
Tank
Berm
SS-NR-01
SB-08
MW 6
MW 5
Well tower (unused)
Wooded
MW 8
Cleared Field
MW 9
SS-WR-01 Outlet
SS-PS-01
Wooded
CREEK

30 15 0 30 60 90
Feet

Sources: NAIP Orthophoto 4407233_sw, "Boundary Survey Plat: Properties of Casing Development, LLC and Central Vermont Properties", Stuart J. Morrow, March 2004; and "Overview of Site", Heindel and Noyes, November 27, 2002. Survey by The Johnson Company, 2009.

Figure 2. All Sampling Locations
Former Richmond Creamery
Richmond, Vermont

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: RTK	Date: 03/09/09	Scale: 1"=60'	Project: 1-0346-3
Rev'd by:	Date:		
Chk'd by:	Date:		
App'd by:	Date:		

1-0346-3/GIS/121409 PAH-TE Results.mxd

Notes:
Surficial = 0-0.5' below ground surface (bgs)
Near-Surface = 1.5-2' bgs
Deep = >2' bgs, depth is shown
VDH Criteria for Benzo(a)pyrene Toxic Equivalency (TE) for PAHs = 0.01 mg/kg

The industrial criterion of 0.21 mg/kg of benzo(a)pyrene is also used for comparison.

PAH-TE Results

- Surficial, 0-0.01 mg/kg
- Surficial, 0.01-0.1 mg/kg
- Surficial, 0.1-0.21 mg/kg
- Surficial, 0.21-4 mg/kg
- Near-Surface, 0-0.01 mg/kg
- Near-Surface, 0.01-0.1 mg/kg
- Near-Surface, 0.1-0.21 mg/kg
- Near-Surface, 0.21-4 mg/kg
- Deep, 0-0.01 mg/kg
- Deep, 0.1-1.0 mg/kg
- Water
- Vegetation
- Railroad Tracks
- Building
- Property Boundary (Approx.)
- Roads

N
W E
S

Jolina Court

Possible location of former oil tanks

SS-T-5
SS-T-4
SS-T-1
SS-T-3
SS-T-2
MW-1 (3.5-4')

MW-2 (12-13')
SS-NR-02
N.E.C.R.R.
SS-RR-10
SS-RR-09
SS-RR-08
SS-RR-06
SS-RR-07
SS-RR-05
SS-RR-04
SS-RR-02
SS-RR-03
SS-RR-01

10,000+/- gal AST
SS-AST-1
SS-AST-2
Storage shed
Boiler building
Building
MW-7 (6.5-7')
MW-3 (13-14')
Hollow pit
Approx. Rail spur (removed)
MW-4 (13-14')
SS-BB-1
SS-PT-3
Tank
Berm
SS-NR-01
SB-08
MW-6 (7.5-8')
MW-5 (11-12')
Wooded
Well tower (unused)
Cleared Field
MW-8 (7-7.5')
MW-9 (4.5-5')
SS-WR-01
Wooded
CREEK

30 15 0 30 60 90
Feet

Sources: NAIP Orthophoto 4407233_sw, "Boundary Survey Plat: Properties of Casing Development, LLC and Central Vermont Properties", Stuart J. Morrow, March 2004; and "Overview of Site", Heindel and Noyes, November 27, 2002; GPS Survey by The Johnson Company, 2009.

Figure 3. PAH Results in Soil Samples
Former Richmond Creamery
Richmond, Vermont

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

Drawn by:	RTK	Date:	12/14/09
Rev'd by:		Date:	
Chk'd by:		Date:	
App'd by:		Date:	
Scale:	1"=60'	Project:	1-0346-3

1-0346-3/GIS/060109 Metals Results.mxd

Groundwater Standards:
Manganese (Mn) = 0.3 mg/L
Arsenic (As) = 0.01 mg/L

Soil Screening Levels:
(Only exceedences are shown)
Arsenic = 12 mg/kg
Lead = 400 mg/kg
Manganese = 1,800 mg/kg
Mercury = 3.7 mg/kg

Groundwater- Arsenic
- <0.01 mg/L
- 0.01-0.02 mg/L

Groundwater- Manganese
- <0.3 mg/L
- 0.3-1 mg/L
- 1-2.5 mg/L
- 2.5-6 mg/L

Surface/Near Surface Soil Sample
- Hand auger
- Soil Boring
- Water
- Vegetation
- Railroad Tracks
- Building
- Property Boundary (Approx.)
- Roads

N
W
E
S
Jolina Court
Mn = 2,540 mg/kg
SS-T-05
SS-T-04
SS-T-01
SS-T-03
SS-T-02
MW-1
Possible location of former oil tanks
N.E.C.R.R.
SS-NR-02
MW-2
SS-AST-1
10,000+/- gal AST
SS-AST-2
Storage shed
Pb = 700 mg/kg
SS-SS-03
SS-BB-02
Boiler building
SS-BB-1
Building
Hg = 3.7 mg/kg
Sump
MW-7
SS-FB-05
MW-3
Hollow pit
As = 43 mg/kg
SS-RR-10
SS-RR-09
SS-RR-08
SS-RR-07
SS-RR-06
SS-RR-05
SS-RR-04
SS-RR-02
SS-RR-01
Approx. rail spur (removed)
Wooded
SS-RR-03/PS-02
SS-PT-3
Former Propane Tank
SS-PT-1
SS-PT-2
Tank
Berm
MW-6
SS-NR-01
SB-08
MW-5
Drainage Ditch
Well tower (unused)
MW-8
MW-9
SS-WR-01 Outlet
SS-PS-01
Cleared Field
Wooded
Wooded
CREEK

Sources: NAIP Orthophoto 4407233_sw, "Boundary Survey Plat: Properties of Casing Development, LLC and Central Vermont Properties", Stuart J. Morrow, March 2004; and "Overview of Site", Heindel and Noyes, November 27, 2002; GPS Survey by The Johnson Company, 2009.

Figure 4. Metals Results in Soil and Groundwater
Former Richmond Creamery
Richmond, Vermont

The Johnson Company

100 State Street, Suite 600
Montpelier, VT 05602

Drawn by:	RTK	Date:	06/03/09
Rev'd by:		Date:	
Chk'd by:		Date:	
App'd by:		Date:	
Scale:	1"=60'	Project:	1-0346-3

1-0346-3/GIS/060109 Ph II Soil Borings.mxd

N
W E
S

Well

Equipotential Lines

- 5' Contour
- 5' Contour- Inferred
- 2' Contour
- 2' Contour- Inferred
- Water
- Vegetation
- Railroad Tracks
- Building
- Property Boundary (Approx.)
- Roads
- Rock Outcrop
- Groundwater Flow Direction

Arbitrary datum used (MW-2 Top of Casing = 100')

Jolina Court

Possible location of former oil tanks (previous existence not confirmed) (Sanborn map, 1926, 1939)

N.E.C.R.R.

Drainage Ditch

MW 1

MW 2

MW 3

MW 4

MW 5

MW 6

MW 7

MW 8

MW 9

Town of Richmond Cemetery

Factory Building

Sump

10,000+/- gal AST

Storage shed

Boiler building

Fmr. Propane Tank

Tank

Berm

Hollow pit

Approx. Rail spur (removed)

Steep Slope

Well tower (unused)

Wooded

Wooded

CREEK

88 86 85 84 82 80 78 76 75 74 72

30 15 0 30 60 90

Feet

Sources: NAIP Orthophoto 4407233_sw, "Boundary Survey Plat: Properties of Casing Development, LLC and Central Vermont Properties", Stuart J. Morrow, March 2004; and "Overview of Site", Heindel and Noyes, November 27, 2002. Survey by The Johnson Company, 2009.

Figure 5. Groundwater Equipotential Map
Former Richmond Creamery
Richmond, Vermont

The Johnson Company
100 State Street, Suite 600
Montpelier, VT 05602

Drawn by: RTK	Date: 03/09/09	Scale: 1"=60'	Project: 1-0346-3
Rev'd by:	Date:		
Chk'd by:	Date:		
App'd by:	Date:		

APPENDIX 1

PHOTOGRAPHIC PLATES

Plate 1: View of former Saputo Cheese/Richmond Creamery factory from Jolina Ct.

Plate 2: Historical Photo of Richmond Creamery

Plate 3: Sump

Plate 4: Contents of Sump

Plate 5: Concrete Rubble Contents of Pit

Plate 6: Well Tower

Plate 7: Access into well tower

Plate 8: Culvert (Near location of WR-01 Sample)

Plate 9: Ammonia Tank

Plate 10: Above Ground Storage Tank

APPENDIX 2

ASBESTOS INSPECTION REPORT

ANGLO-AMERICAN
ENVIRONMENTAL
Philip Cornock, Certified Vermont State Asbestos Inspector

April 6th, 2009

Mr. Mike Marotto
Staff Scientist
The Johnson Company, Inc
100 State St, Suite 600
Montpelier
VT 05602.

Re: Inspection for Asbestos Containing Materials at the Former Richmond Creamery Facility, 125 Bridge St, Richmond, VT, 05477.
AAE Project # 0958.

Dear Mr. Marotto,

Enclosed is documentation related to professional asbestos inspection activities performed by the Anglo-American Environmental Company (AAE) on March 23rd and 24th within the Former Richmond Creamery Facility located at 125 Bridge St, Richmond, VT, 05477. Inspection activities were carried out as per your request which involved sampling and evaluation of suspect asbestos-containing materials (acm's) within the facility. The inspection was performed in accordance with the Vermont Regulations for Asbestos Control (VRAC) VSA Title 18, Chapter 26, and 40 CFR Part 763, "Asbestos Containing Materials in Schools: Final Rule and Notice" (EPA/ AHERA Model Accreditation Plan). Inspection duties were performed by a Vermont Certified Asbestos Inspector. AAE's Standard Operating Procedures (SOP's) also follow the OSHA 29 CFR Part 1910, "Asbestos Standards for General Industry)".

On March 23rd and 24th, 2009, AAE collected sixty nine (69) bulk samples of suspect asbestos-containing materials from within the facility. All bulk samples were submitted to a Vermont Certified Analytical Service (EMSL, Woburn, MA) of which 68 were analyzed by Polarized Light Microscopy (PLM Visual Estimation Method) according to the EPA Method 600/R-93/116. One sample was subjected to the Point Counting method approved by the EPA.

Drawings depicting AAE's Area Numbers (Storage Areas) and bulk sampling locations (only sampling locations where suspect materials proved positive for asbestos) are attached to this report along with EMSL's complete Bulk Sampling Report and pertinent Vermont Certifications.

(802) 917-1393 (C)
(802) 888-4112 (H)
Web: asbestosaae.com
email: xukcop@aol.com
19 HOWARD STREET • MORRISVILLE, VT 05661

ANGLO - AMERICAN
ENVIRONMENTAL
Philip Cornock, Certified Vermont State Asbestos Inspector

Thank-you for the opportunity to service your professional environmental management needs. If you have any questions concerning this inspection report, please contact me at 802-888-4112 or by cell at 802-917-1393.

Sincerely

Philip Cornock
Owner..Anglo-American Environmental

(802) 917-1393 (C)
(802) 888-4112 (H)
Web: asbestosaae.com
email: xukcop@aol.com
19 HOWARD STREET • MORRISVILLE, VT 05661

INVENTORY OF POSITIVE ASBESTOS –CONTAINING MATERIALS.

BASEMENT AREA:

1. Sample RC-5…1,750 sq.ft of asbestos transite panels on ceiling and upper wall areas of "Milk Receiving".
2. Sample RC-8…400 sq.ft of asbestos transite panels on ceiling of "Milk Silo Room".
3. Sample RC-12..900 sq.ft of asbestos transite panels on ceiling of "Production Area # 1".
4. Sample RC-19..1,080 sq.ft of asbestos transite panels on ceiling of "Production Area # 2"
5. Sample RC-57..1,625 sq.ft of asbestos transite panels on ceiling of "Production Area # 3"
6. Sample RC-26..120 sq.ft of asbestos transite ceiling/wall panels in Storage Area #5.
7. Sample RC-26A..108 sq.ft of asbestos transite ceiling/wall panels in Storage Area # 5A.

1st FLOOR AREA:

8. Sample RC-27..30 sq.ft of asbestos transite ceiling panels in "Ammonia Compressor Room."
9. Sample RC-31..875 sq.ft of asbestos transite ceiling panels in Storage Area # 6 and into "Culture Room".
10. Sample RC-34..100 sq.ft of 9"x9" vinyl asbestos floor tile (not adhesive) on floor of "Laboratory".

10A Sample RC-56..110 sq.ft of asbestos transite ceiling/wall panels in closet area under stairwell opposite Laboratory entrance.

2nd FLOOR AREA (TOWER BLOCK):

11. Sample RC-40..80 sq.ft of 9"x9" vinyl asbestos floor tile (not adhesive) on floor of "Reception Office".
12. Sample RC-42..15 sq.ft of 9"x9" vinyl asbestos floor tile (not adhesive) on closet floor of "Conference Room".
13. Sample RC-43..195 sq.ft of 9"x9" vinyl asbestos floor tile (not adhesive) on floor of "Conference Room".
13. Sample RC- 45..15 sq.ft of 9"x9" vinyl asbestos floor tile (not adhesive) on bathroom floor.

14. Sample RC-46..58 sq.ft of adhesive contaminated 9"x9" vinyl floor tile on hallway floor in front of "Reception Area".
15. Sample RC-47..58 sq.ft of gold adhesive compound under Sample # RC-46.
16. Sample RC-49..270 sq.ft of 9"x9" vinyl asbestos floor tile and adhesive on floor of "Office".
17. Sample RC- 50..126 sq.ft of 9"x9" vinyl asbestos floor tile and adhesive on floor of Storage Room # 12.
18. Sample RC-51..20 sq.ft of 9"x9" vinyl asbestos linoleum on Bathroom floor (not adhesive).
19. Sample RC-53..2,350 sq.ft of exterior asbestos cement blue siding.

2nd FLOOR AREA (RED BRICK EXTERIOR BUILDING).

20. Sample RC-60..sheetrock joint compound found positive after point-counting.....further sample investigation required if material's disturbed.
21. Sample RC-64..56 sq.ft of 12"x12" blue vinyl asbestos floor tile(not adhesive) on floor in front of bathrooms.
22. Sample RC-69..50 sq.ft of black tar coating adhering to corklike material on ceiling of a Stock Room in the Attic area.

ADDENDUM.

If positive flooring material is not visible the material will be located under loose carpeting.
The Basement Area floor contained 2-3" of ice on the day of the survey. It is possible that previously fallen/broken areas of asbestos transite and other suspect asbestos-containing materials maybe located underneath the ice.
No adhesive could be located underneath carpeting.

13090990

ANGLO-AMERICAN ENVIRONMENTAL

19 Howard Street
Morrisville, VT 05661
PHONE: (802) 888-4112 E-MAIL: xukcop@aol.com

(1)

CHAIN OF CUSTODY RECORD

Name	Purchase Order	B. Comments	Turnaround Time	Compliance Monitoring
FORMER RICHMOND CREAMERY	AAE10958	POINT COUNT IF 22% WHEN POSSIBLE.	☒ Standard ☐ Other Rush: ☐ 24 hr ☐ 48 hr ☐ 6-10 days	☐ Yes ☑ No ☐ Partial

Address: 125 BRIDGE ST Phone:

City: RICHMOND State: VT Zip: 05477 Report Attention: PHIL CORNOCK

Sampled by: PHIL CORNOCK Signature:

Date Sampled	Sample Number	Sample Identification	Remarks
3-23-09	RC-1	BASEMENT – VERMICULITE IN STORAGE ROOM #2	✓
"	" -2	" " " " " " "	✓ * PLM ONLY ON ALL
"	" -3	" " " " " " "	✓ SAMPLES PLEASE.
"	" -4	" BLACK FIBERGLASS INSULATION UNDERLAY - STORAGE RM #2	✓ [redacted]
"	" -5	" CEILING PANELS – MILK RECEIVING ROOM	✓ 6-10 DAY TURN AROUND.
"	" -6	" WHITE PAINT ✓ " " " WALL	✓
"	" -7	" GRAY PAINT – " " " "	✓
"	" -8	" CEILING PANELS – MILK SILO ROOM	✓
"	" -9	" WIRE CABLE INSULATION – MILK SILO ROOM	✓
"	" -10	" WHITE COMPOUND ON FIBERGLASS TSI ENDS – MILK SILO ROOM	✓
"	" -11	" BLACK BACKING ON STYROFOAM INSULATION – " " " FLOOR	✓
"	" -12	" CEILING PANELS IN PRODUCTION AREA #1	✓
"	" -13	" PLASTER CEILING " " " " " (UNDER SAMPLE 12)	✓

	SIGNATURE	PRINT NAME	DATE	TIME
Relinquished By:		PHILIP CORNOCK	3-24-09	2:30 pm EST
Received By Laboratory:	Stephanie Anderson	Stephanie Anderson	3-25-09	10:40 AM

Custody Seal Intact ☐ Yes ☐ No ☐ None

Sample Temperature

Degrees C _____

Further Comments: PLEASE ENSURE YOU SIGN THIS RECEIPT COLUMN ON ALL PAGES!

PAGES 2 THEN 6 SAME INFO AS COVER PAGE.

Sampling Time: 6 hr

13090990

13090990

(2)

ANGLO-AMERICAN ENVIRONMENTAL

19 Howard Street
Morrisville, VT 05661
PHONE: (802) 888-4112 E-MAIL: xukcop@aol.com

CHAIN OF CUSTODY RECORD

Client Name	Purchase Order	LAB. Comments	Turnaround Time	Compliance Monitoring
Address	Phone		❑ Standard ❑ Other Rush: ❑ 24 hr ❑ 48 hr	❑ Yes ❑ No ❑ Partial
City State Zip	Report Attention: PHIL CORNOCK			
Sampled by: PHIL CORNOCK	Signature:			

Date Sampled	Sample Number	Sample Identification	Remarks
3-23-09	RC- 14	BASEMENT - PLASTER CEILING IN PRODUCTION AREA #1 (UNDER SAMPLE 12)	✓
"	15	" - [redacted] INSULATION ABOVE PACKAGING AREA CEILING (2 WALLS)	✓
"	16	" - [redacted] " " " " " " "	✓
"	17	" - WHITE COMPOUND ON CEMENT CEILING NEXT TO PRODUCTION AREA	✓
"	18	" - " " " " " " " " "	✓
"	19	" - CEILING PANELS - PRODUCTION AREA #2	✓
"	20	" - WHITE COMPOUND - FIBERGLAS TSI ENDS - PRODUCTION #3	✓
"	21	" - MUD ON PIPE JOINT - PRODUCTION #3 AREA	✓
"	22	" - GRAY PLASTER ON CEILING OF MILKO SCAN ROOM	✓
"	23	" - " " " " " " "	✓
"	24	" - WHITE SKIM COAT ON TOP OF SAMPLE #22	✓
"	25	" - " " " " " " #23	✓
"	26	" - CEILING PANELS (+WALL) STORAGE AREA #5	✓

	SIGNATURE	PRINT NAME	DATE	TIME
Relinquished By:		PHILIP CORNOCK	3-24-09	2:30 pm USPS
Received By Laboratory:	Stephanie Anderson	Stephanie Anderson	3/25/09	10:40

Custody Seal Intact	Further Comments:	Sampling Time:
❑ Yes ❑ No ❑ None Sample Temperature Degrees C _____		

13090990

130900990

(3)

ANGLO-AMERICAN ENVIRONMENTAL
19 Howard Street
Morrisville, VT 05661
PHONE: (802) 888-4112 E-MAIL: xukcop@aol.com

CHAIN OF CUSTODY RECORD

Client Name	Purchase Order	LAB. Comments	Turnaround Time	Compliance Monitoring
Address	Phone		❑ Standard ❑ Other	❑ Yes
City State Zip	Report Attention: PHIL CORNOCK		Rush: ❑ 24 hr ❑ 48 hr	❑ No ❑ Partial
Sampled by: PHIL CORNOCK Signature:				

Date Sampled	Sample Number	Sample Identification	Remarks
3-23-09	RC-26A	BASEMENT - CEILING/WALL PANELS IN STORAGE AREA # 5	✓
"	-27	1ST FLOOR - CEILING PANELS IN AMMONIA COMPRESSOR ROOM	✓
"	28	" - BLACK BACKING TO FIBERGLASS INSULATION - AMM. COMP. ROOM	✓
"	29	" - 12"x12" VINYL TILE IN SHIPPING/REC'G OFFICE	✓
"	30	" - 2'x4' SUSPENDED CEILING TILES IN SHIPPING/REC'G OFFICE	✓
"	31	" CEILING PANELS IN STORAGE RM 6 + INTO CULTURE RM	✓
"	32	" 12"x12" FIBROUS CEILING TILES IN LAB	✓
"	33	" WIRE CABLE INSULATION IN CULTURE ROOM	✓
"	34	" 9"x9" VINY TILE ON FLOOR OF LAB	✓
"	35	" BLACK ADHESIVE ON BACK OF SAMPLE #34	✓
"	36	" WIRE CABLE INSULATION IN STARTER ROOM	✓
"	37	" BLACK TAR FALLEN CEILING IN STORAGE ROOM # 6	✓
"	38	" " " PAPER " " " " " "	✓

	SIGNATURE	PRINT NAME	DATE	TIME
Relinquished By:		Phil Cornock	3-24-09	2.30pm/MSPS
Received By Laboratory:	Stephanie Anderson	Stephanie Anderson	3/25/09	1040

Custody Seal Intact	Further Comments:	Sampling Time:
❑ Yes ❑ No ❑ None		
Sample Temperature		
Degrees C _____		

130900990

130900990

(4)

ANGLO-AMERICAN ENVIRONMENTAL

19 Howard Street
Morrisville, VT 05661
PHONE: (802) 888-4112 E-MAIL: xukcop@aol.com

CHAIN OF CUSTODY RECORD

Client Name	Purchase Order	LAB. Comments	Turnaround Time	Compliance Monitoring
Address	Phone		❑ Standard ❑ Other	❑ Yes
City State Zip	Report Attention: PHIL CORNOCK		Rush: ❑ 24 hr ❑ 48 hr	❑ No ❑ Partial
Sampled by: PHIL CORNOCK Signature:				

	Date Sampled	Sample Number	Sample Identification	Remarks
1	3-23-09	RC-39	1ST FLOOR - INSULATION IN LOFT AREA	✓
2	"	-40	2ND FLOOR - 9"x9" VINYL FLOOR TILE IN RECEPTION OFFICE	✓
3	"	-41	" " - GOLD ADHESIVE UNDER SAMPLE #40	✓
4	"	-42	" " - 9"x9" VINYL FLOOR TILE ON CLOSET FLOOR OF CONF. ROOM	✓
5	"	-43	" " - 9"x9" " " " " FLOOR OF CONFERENCE "	✓
6	"	-44	" " GOLD ADHESIVE UNDER SAMPLE # 43	✓
7	"	-45	" " 9"x9" VINYL TILE ON BATHROOM FLOOR	✓
8	"	-46	" " 9"x9" " " " HALLWAY FLOOR - FRONT OF RECEPTION	✓
9	"	-47	" " GOLD ADHESIVE UNDER SAMPLE # 46	✓
10	"	-48	" " CREAM LINOLEUM ON KITCHEN FLOOR	✓
11	"	-49	" " 9"x9" VINYL TILE ON OFFICE FLOOR	✓
12	"	-50	" " 9"x9" " " " " STORAGE ROOM FLOOR	✓
13	"	-51	" " LINOLEUM IN OFFICE BATHROOM (CREAM/GREEN)	✓

	SIGNATURE	PRINT NAME	DATE	TIME
Relinquished By:		Phillip Cornock	3-24-09	2:30 PM USPS
Received By Laboratory:	Stephanie Anderson	Stephanie Anderson	3/25/09	1040

Custody Seal Intact
❑ Yes ❑ No ❑ None

Sample Temperature
Degrees C _____

Further Comments:
* RC-40 thru RC-51 2nd FLOOR TOWER BLOCK SECTION } Personal Water only
* IF SAMPLE 44 IS (+) ALL ADHESIVE UNDER TILES ASSUMED (+) }
(TEST ALL SAMPLES)

Sampling Time:

130900990

130900990

(5)

ANGLO-AMERICAN ENVIRONMENTAL

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Morrisville, VT 05661
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CHAIN OF CUSTODY RECORD

Client Name	Purchase Order	LAB. Comments	Turnaround Time	Compliance Monitoring
Address	Phone		❑ Standard ❑ Other	❑ Yes
City State Zip	Report Attention: PHIL CORNOCK		Rush: ❑ 24 hr ❑ 48 hr	❑ No ❑ Partial
Sampled by: PHIL CORNOCK Signature:				

	Date Sampled	Sample Number	Sample Identification	Remarks
1	3.23.09	RC-52	2nd Floor - Gold Adhesive under sample #51	✓
2	〃	〃 -53	Exterior Blue Siding around Tower Block	✓
3	〃	〃 -54	〃 Asphalt Roofing Tar - Roof outside window of Conf. Rm	✓
4	〃	〃 -55	〃 〃 〃 Tar Paper 〃 〃 〃 〃 〃 〃	✓
5	〃	〃 -56	1st Floor - Ceiling/Wall Panels - Closet Area under Stairs	✓
6	〃	〃 -57	Basement 〃 Panels in Production Area #3	✓
7	3.24.09	〃 -58	Sheetrock Compound - Storage Room Wall (2nd Floor)	✓
8	〃	〃 -59	〃 〃 - Employee 〃 Ceiling 〃	✓
9	〃	〃 -60	〃 〃 - Hallway Wall Edge near Stairs 〃	✓
10	〃	〃 -61	Sheetrock on Employee Room Wall 〃	✓
11	〃	〃 -62	12"x12" Vinyl Tile on Hallway Floor 〃	✓
12	〃	〃 -63	Gold Adhesive under Sample #62 〃	✓
13	〃	〃 -64	12"x12" Blue Vinyl Tile on Floor near Bathrooms 〃	✓

	SIGNATURE	PRINT NAME	DATE	TIME
Relinquished By:		Philip Cornock	3-24-09	2.30pm USPS
Received By Laboratory:	Stephanie Anderson	Stephanie Anderson	3/25/09	1040

Custody Seal Intact
❑ Yes ❑ No ❑ None

Sample Temperature
Degrees C _____

Further Comments:
Personal Notes: Samples 58-69 on 2nd Floor of Brick Building next to Tower Block.

Sampling Time:

130900990

130900990

(6)

ANGLO-AMERICAN ENVIRONMENTAL

19 Howard Street
Morrisville, VT 05661
PHONE: (802) 888-4112 E-MAIL: xukcop@aol.com

CHAIN OF CUSTODY RECORD

Client Name	Purchase Order	LAB. Comments	Turnaround Time	Compliance Monitoring
Address	Phone		❑ Standard ❑ Other	❑ Yes
City State Zip	Report Attention: PHIL CORNOCK		Rush: ❑ 24 hr ❑ 48 hr	❑ No
Sampled by: PHIL CORNOCK Signature:				❑ Partial

	Date Sampled	Sample Number	Sample Identification	Remarks
1	3.24.09	RC-65	2nd FLOOR - 12"x12" VINYL TILE ON FLOOR OF EMPLOYEE ROOM	✓
2	"	" 66	" " " " " " " " " STORAGE ROOM # 11	✓
3	"	" 67	" " " " " " " " " " " " " " #11	✓
4	"	" 68	WHITE SKIM COAT PLASTER ON CEILING ABOVE EMPLOYEE RM.	✓
5	"	" 69	BLACK TAR ON CORK - CEILING STOCK ROOM IN ATTIC	✓
6				
7				
8				
9				
10				
11				
12				
13				

	SIGNATURE	PRINT NAME	DATE	TIME
Relinquished By:		PHILIP CORNOCK	3.24.09	2.30pm USPS
Received By Laboratory:	Stephanie Anderson	Stephanie Anderson	3/25/09	1040

Custody Seal Intact
❑ Yes ❑ No ❑ None

Sample Temperature
Degrees C _____

Further Comments:
Personal Notes: Check if Sample # 68 is (+) — plenty more plaster in this area to be sampled.

Sampling Time:

130900990

Attn: **Philip Cornock**
Anglo-American Environmental
19 Howard Street
Morrisville, VT 05661

Fax: Phone: (802) 888-4112

Project: **Former Richmond Creamery; 125 Bridge St.; Richmond, VT**

Customer ID: ANGL78
Customer PO: AAE/0958
Received: 03/25/09 10:40 AM
EMSL Order: 130900990

EMSL Proj:
Analysis Date: 4/2/2009
Report Date: 4/2/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
RC-1 *130900990-0001*	Basement; Vermiculite in Storage Rm #2	Tan/Silver Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
			Vermiculite is a known problem matrix, negative results cannot beguaranteed. Conventional TEM method analysis w/ CARB 435 milling prep isrecommended for proper quantification of asbestos in vermiculite.		
RC-2 *130900990-0002*	Basement; Vermiculite in Storage Rm #2	Tan/Silver Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
			Vermiculite is a known problem matrix, negative results cannot beguaranteed. Conventional TEM method analysis w/ CARB 435 milling prep isrecommended for proper quantification of asbestos in vermiculite.		
RC-3 *130900990-0003*	Basement; Vermiculite in Storage Rm #2	Tan/Silver Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
			Vermiculite is a known problem matrix, negative results cannot beguaranteed. Conventional TEM method analysis w/ CARB 435 milling prep isrecommended for proper quantification of asbestos in vermiculite.		
RC-4 *130900990-0004*	Basement; Black FG Insul Underlay; Storage Rm #2	Black/Silver Non-Fibrous Heterogeneous	2% Glass	98% Non-fibrous (other)	**None Detected**
RC-5 *130900990-0005*	Basement; Ceiling Panels; Mile Receiving Rm	Gray Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**
RC-6 *130900990-0006*	Basement; White Paint; Mile Receiving Rm Wall	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-7 *130900990-0007*	Basement; Gray Paint; Mile Receiving Rm Wall	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Kevin Pine (70)

Renaldo Drakes
or other approved signatory

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NVLAP Lab Code 101147-0, AIHA IHLAP 180179, MA AA000188

Attn: **Philip Cornock**
Anglo-American Environmental
19 Howard Street
Morrisville, VT 05661

Fax: Phone: (802) 888-4112

Project: **Former Richmond Creamery; 125 Bridge St.; Richmond, VT**

Customer ID: ANGL78
Customer PO: AAE/0958
Received: 03/25/09 10:40 AM
EMSL Order: 130900990

EMSL Proj:
Analysis Date: 4/2/2009
Report Date: 4/2/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
RC-8 *130900990-0008*	Basement; Ceiling Panels; Milk Silo Rm	Gray Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**
RC-9 *130900990-0009*	Basement; Wire Cable Insulation; Milk Silo Rm	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-10 *130900990-0010*	Bsmt; White Compound on FG TSI Ends; Milk Silo Rm	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-11 *130900990-0011*	Bsmt; Blk Back on Styrofoam Insul; Milk Silo Floor	Gray Fibrous Homogeneous	90% Cellulose 5% Glass	5% Non-fibrous (other)	**None Detected**
RC-12 *130900990-0012*	Basement; Ceiling Panels in Production Area #1	Gray Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**
RC-13 *130900990-0013*	Basement; Plaster Ceiling in Production Area #1	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-14 *130900990-0014*	Basement; Plaster Ceiling in Production Area #1	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-15 *130900990-0015*	Basement; Insul abv Packaging Area Ceiling/Walls	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	**None Detected**

Analyst(s)

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Report Date: 4/2/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
RC-16 *130900990-0016*	Basement; Insul abv Packaging Area Ceiling/Walls	Tan Fibrous Homogeneous	95%	Cellulose	5% Non-fibrous (other)	**None Detected**
RC-17 *130900990-0017*	Bsmt; Wht Compound on Cement Ceiling next to Prod	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
RC-18 *130900990-0018*	Bsmt; Wht Compound on Cement Ceiling next to Prod	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
RC-19 *130900990-0019*	Basement; Ceiling Panels; Production Area #2	White Fibrous Homogeneous			80% Non-fibrous (other)	**20% Chrysotile**
RC-20 *130900990-0020*	Bsmt; White Compound; FG TSI Ends; Production #3	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
RC-21 *130900990-0021*	Basement; Mud on Pipe Joint; Production Area #3	Tan Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
RC-22 *130900990-0022*	Basement; Gray Plaster on Ceiling; Milko Scan Room	Gray Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**

Analyst(s)

Kevin Pine (70)

Renaldo Drakes
or other approved signatory

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Analysis Date: 4/2/2009
Report Date: 4/2/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
RC-23 *130900990-0023*	Basement; Gray Plaster on Ceiling; Milko Scan Room	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-24 *130900990-0024*	Basement; White Skim Coat on Top of Sample #22	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-25 *130900990-0025*	Basement; White Skim Coat on Top of Sample #23	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-26 *130900990-0026*	Basement; Ceiling Panels/Wall; Storage Area #5	Gray Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**
RC-26A *130900990-0027*	Basement; Ceiling Panels/Wall; Storage Area #5	Gray Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**
RC-27 *130900990-0028*	1st Fl; Ceiling Panels in Ammonia Compressal Rm	Gray Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**
RC-28 *130900990-0029*	1st Fl; Black Back to FG Insulation; Amm Comp Rm	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-29 *130900990-0030*	1st Fl; 12x12 VT; Shipping/Receiving Office	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
RC-30 *130900990-0031*	1st Fl; 2x2 Susp CT; Shipping/Receiving Office	Gray Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (other)	**None Detected**
RC-31 *130900990-0032*	1st Fl; Ceiling Panels; Storage Rm #6/Culture Rm	Gray Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**
RC-32 *130900990-0033*	1st Fl; 12x12 Fibrous Ceiling Tiles; Lab	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	**None Detected**
RC-33 *130900990-0034*	1st Fl; Wire Cable Insulation; Culture Rm	Brown Fibrous Heterogeneous	90% Cellulose	10% Non-fibrous (other)	**None Detected**
RC-34 *130900990-0035*	1st Fl; 9x9 Vinyl Tile; Floor of Lab	Tan Non-Fibrous Homogeneous		95% Non-fibrous (other)	**5% Chrysotile**
RC-35 *130900990-0036*	1st Fl; Black Adhesive on back of Sample #34	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-36 *130900990-0037*	1st Fl; Wire Cable Insulation; Starter Rm	Tan Fibrous Homogeneous	70% Cellulose 20% Glass	10% Non-fibrous (other)	**None Detected**
RC-37 *130900990-0038*	1st Fl; Black Tar Fallen Ceiling; Storage Rm #6	Black Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	**None Detected**

Analyst(s)

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or other approved signatory

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EMSL Proj:
Analysis Date: 4/2/2009
Report Date: 4/2/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
RC-38 *130900990-0039*	1st Fl; Blk Tar Paper Fallen Ceiling; Stg Rm #6	Black Fibrous Heterogeneous	30%	Cellulose	70% Non-fibrous (other)	**None Detected**
RC-39 *130900990-0040*	1st Fl; Insulation in Loft Area	Tan Fibrous Homogeneous	95%	Cellulose	5% Non-fibrous (other)	**None Detected**
RC-40 *130900990-0041*	2nd Fl; 9x9 Vinyl Floor Tile; Reception Area	Tan Non-Fibrous Homogeneous			95% Non-fibrous (other)	**5% Chrysotile**
RC-41 *130900990-0042*	2nd Fl; Gold Adhesive under Sample #40	Yellow Non-Fibrous Homogeneous	10%	Cellulose	90% Non-fibrous (other)	**None Detected**
RC-42 *130900990-0043*	2nd Fl; 9x9 VFT; Closet Floor; Conference Rm	Tan Non-Fibrous Homogeneous			98% Non-fibrous (other)	**2% Chrysotile**
RC-43 *130900990-0044*	2nd Fl; 9x9 VFT; Conference Rm Floor	Gray Non-Fibrous Homogeneous			98% Non-fibrous (other)	**2% Chrysotile**
RC-44 *130900990-0045*	2nd Fl; Gold Adhesive under Sample #43	Yellow Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
RC-45 *130900990-0046*	2nd Fl; 9x9 Vinyl Floor Tile; Bathroom Floor	Gray Non-Fibrous Homogeneous			98% Non-fibrous (other)	**2% Chrysotile**

Analyst(s)

Kevin Pine (70)

Renaldo Drakes
or other approved signatory

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Project: **Former Richmond Creamery; 125 Bridge St.; Richmond, VT**

Customer ID: ANGL78
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Received: 03/25/09 10:40 AM
EMSL Order: 130900990

EMSL Proj:
Analysis Date: 4/2/2009
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Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
RC-46 *130900990-0047*	2nd Fl; 9x9 VFT; Hallway Floor; Front Reception	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-47 *130900990-0048*	2nd Fl; Gold Adhesive under Sample #46	Yellow Non-Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
RC-48 *130900990-0049*	2nd Fl; Cream Linoleum; Kitchen Floor	Gray/White Fibrous Heterogeneous	30% Cellulose	70% Non-fibrous (other)	**None Detected**
RC-49 *130900990-0050*	2nd Fl; 9x9 Vinyl Floor Tile; Office Floor	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
RC-50 *130900990-0051*	2nd Fl; 9x9 Vinyl Floor Tile; Storage Rm Floor	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
RC-51 *130900990-0052*	2nd Fl; Cream/Green Linoleum; Office Bathroom	Tan Fibrous Heterogeneous		70% Non-fibrous (other)	**30% Chrysotile**
RC-52 *130900990-0053*	2nd Fl; Gold Adhesive under Sample #51	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-53 *130900990-0054*	Ext Blue Siding around Tower Block	Gray Fibrous Homogeneous		80% Non-fibrous (other)	**20% Chrysotile**

Analyst(s)

Kevin Pine (70)

Renaldo Drakes
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code 101147-0, AIHA IHLAP 180179, MA AA000188

Attn: **Philip Cornock**
Anglo-American Environmental
19 Howard Street
Morrisville, VT 05661

Fax: Phone: (802) 888-4112

Project: **Former Richmond Creamery; 125 Bridge St.; Richmond, VT**

Customer ID: ANGL78
Customer PO: AAE/0958
Received: 03/25/09 10:40 AM
EMSL Order: 130900990

EMSL Proj:
Analysis Date: 4/2/2009
Report Date: 4/2/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
RC-54 *130900990-0055*	Ext Asphalt Roofing Tar; Outside Window of Conf Rm	Black Non-Fibrous Homogeneous	20%	Cellulose	80% Non-fibrous (other)	**None Detected**
RC-55 *130900990-0056*	Ext Asphalt Roof Tar Paper; O/S Window of Conf Rm	Black Fibrous Homogeneous	20%	Cellulose	80% Non-fibrous (other)	**None Detected**
RC-56 *130900990-0057*	1st Fl; Ceiling/Wall Panels; Closet under Stairs	Gray Fibrous Homogeneous			80% Non-fibrous (other)	**20% Chrysotile**
RC-57 *130900990-0058*	Basement; Ceiling Panels; Production Area #3	Gray Fibrous Heterogeneous			80% Non-fibrous (other)	**20% Chrysotile**
RC-58 *130900990-0059*	2nd Fl; Sheetrock Compound; Storage Rm Wall	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
RC-59 *130900990-0060*	2nd Fl; Sheetrock Compound; Employee Rm Ceiling	White Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
RC-60 *130900990-0061*	2nd Fl; Sheetrock Compound; Hwy Wall Edge; Stairs	White Non-Fibrous Homogeneous			98% Non-fibrous (other)	**2% Chrysotile**

Analyst(s)

Kevin Pine (70)

Renaldo Drakes
or other approved signatory

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Attn: **Philip Cornock**
Anglo-American Environmental
19 Howard Street
Morrisville, VT 05661

Fax: Phone: (802) 888-4112

Project: **Former Richmond Creamery; 125 Bridge St.; Richmond, VT**

Customer ID: ANGL78
Customer PO: AAE/0958
Received: 03/25/09 10:40 AM
EMSL Order: 130900990

EMSL Proj:
Analysis Date: 4/2/2009
Report Date: 4/2/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
RC-61 *130900990-0062*	Sheetrock on Employee Rm Wall	White Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	**None Detected**
RC-62 *130900990-0063*	12x12 Vinyl Floor Tile; Hallway Floor	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-63 *130900990-0064*	Gold Adhesive under Sample #62	Yellow Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	**None Detected**
RC-64 *130900990-0065*	12x12 Blue Vinyl Tile; Floor near Bathrooms	Blue Non-Fibrous Homogeneous		98% Non-fibrous (other)	**2% Chrysotile**
RC-65 *130900990-0066*	2nd Fl; 12x12 Vinyl Tile; Floor of Employee Rm	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-66 *130900990-0067*	2nd Fl; 12x12 Vinyl Tile; Floor of Storage Rm #11	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-67 *130900990-0068*	2nd Fl; 12x12 Vinyl Tile; Floor of Storage Rm #11	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	**None Detected**
RC-68 *130900990-0069*	White Skim Coat Plaster; Ceiling abv Employee Rm	White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**

Analyst(s)

Kevin Pine (70)

Renaldo Drakes
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code 101147-0, AIHA IHLAP 180179, MA AA000188

Attn: **Philip Cornock**
Anglo-American Environmental
19 Howard Street
Morrisville, VT 05661

Fax: Phone: (802) 888-4112

Project: **Former Richmond Creamery; 125 Bridge St.; Richmond, VT**

Customer ID: ANGL78
Customer PO: AAE/0958
Received: 03/25/09 10:40 AM
EMSL Order: 130900990

EMSL Proj:
Analysis Date: 4/2/2009
Report Date: 4/2/2009

Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
RC-69 *130900990-0070*	Black tar on Cork; Ceiling Stock Rm; Attic	Black Non-Fibrous Homogeneous		90% Non-fibrous (other)	**10% Chrysotile**

Analyst(s)

Kevin Pine (70)

Renaldo Drakes
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client.Samples received in good condition unless otherwise noted.

NVLAP Lab Code 101147-0, AIHA IHLAP 180179, MA AA000188

PLM-1

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
7 Constitution Way, Suite 107, Woburn, MA 01801
Phone: (781) 933-8411 Fax: (781) 933-8412 Email: bostonlab@emsl.com

Attn: **Philip Cornock**
Anglo-American Environmental
19 Howard Street
Morrisville, VT 05661

Fax: Phone: (802) 888-4112

Project: **Former Richmond Creamery; 125 Bridge St.; Richmond, VT**

Customer ID:	ANGL78
Customer PO:	AAE/0958
Received:	03/25/09 10:40 AM
EMSL Order:	130900990
EMSL Proj:	
Analysis Date:	4/6/2009
Report Date:	4/6/2009

Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.

			Non-Asbestos		Asbestos
Sample	**Location**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
RC-60 *130900990-0061*	2nd Fl; Sheetrock Compound; Hwy Wall Edge; Stairs	White Non-Fibrous Homogeneous		98.50% Non-fibrous (other)	**1.50% Chrysotile**

Analyst(s)

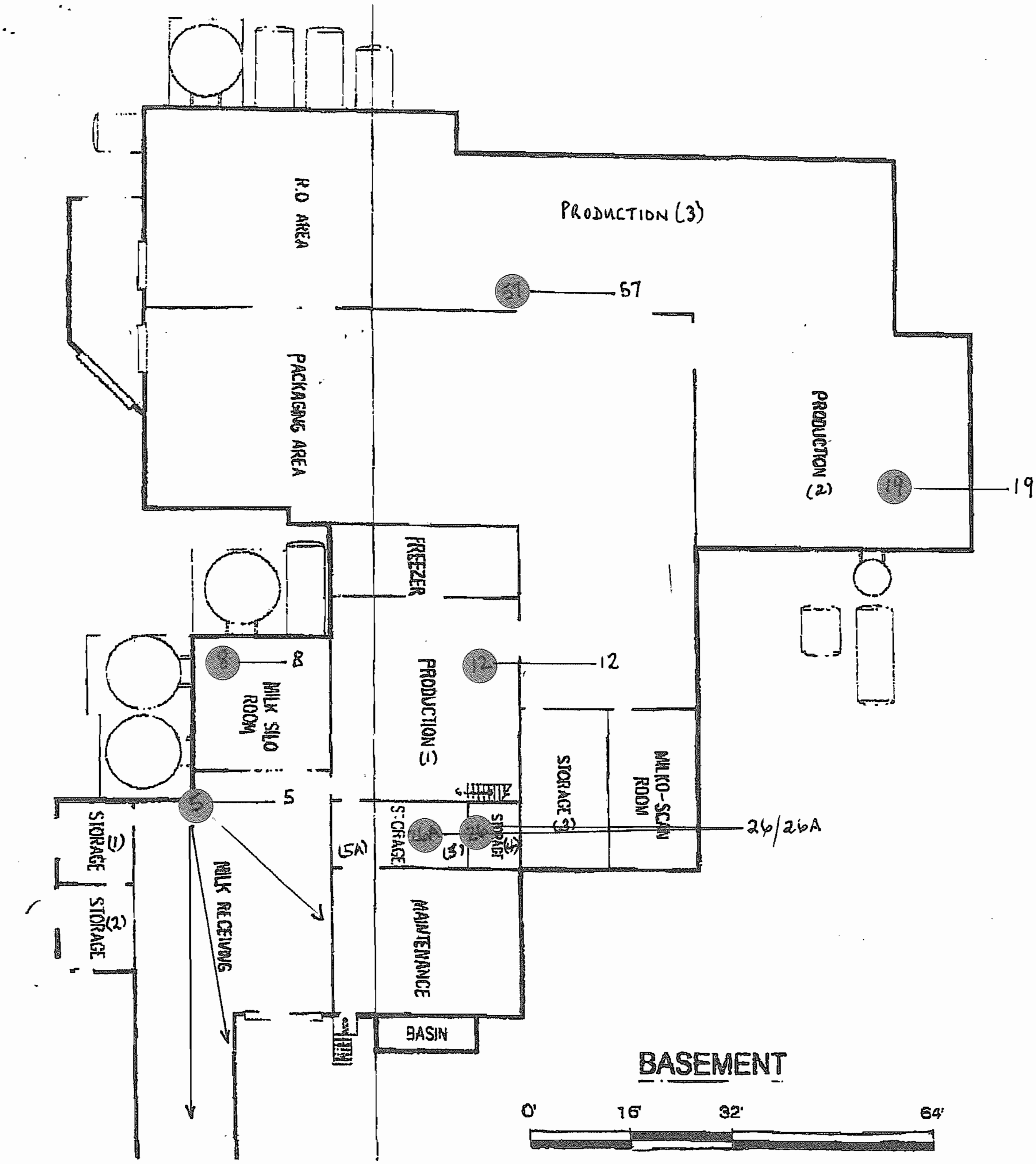
Renaldo Drakes (1)

Renaldo Drakes
or other approved signatory

Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.
NVLAP Lab Code 101147-0, AIHA IHLAP 180179, MA AA000188

PLMPointCount-1

THIS IS THE LAST PAGE OF THE REPORT.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57
PACKAGING AREA
PRODUCTION (2)
19
FREEZER
8
MILK SILO ROOM
PRODUCTION (1)
12
5
STORAGE (1)
STORAGE (2)
MILK RECEIVING
(5A)
STORAGE (3)
26A
26
STORAGE (3)
MILKO-SCAN ROOM
26/26A
MAINTENANCE
BASIN
BASEMENT
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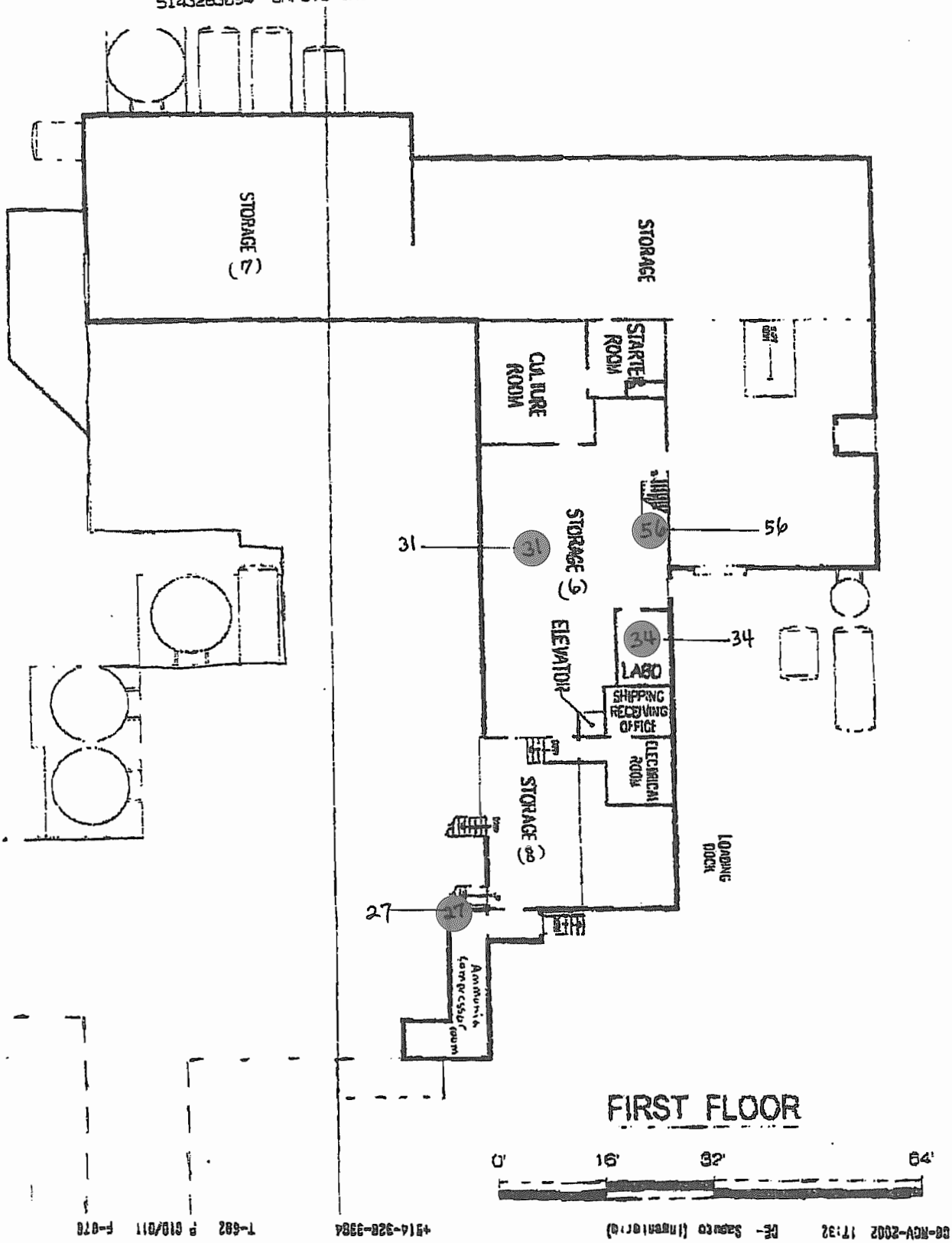

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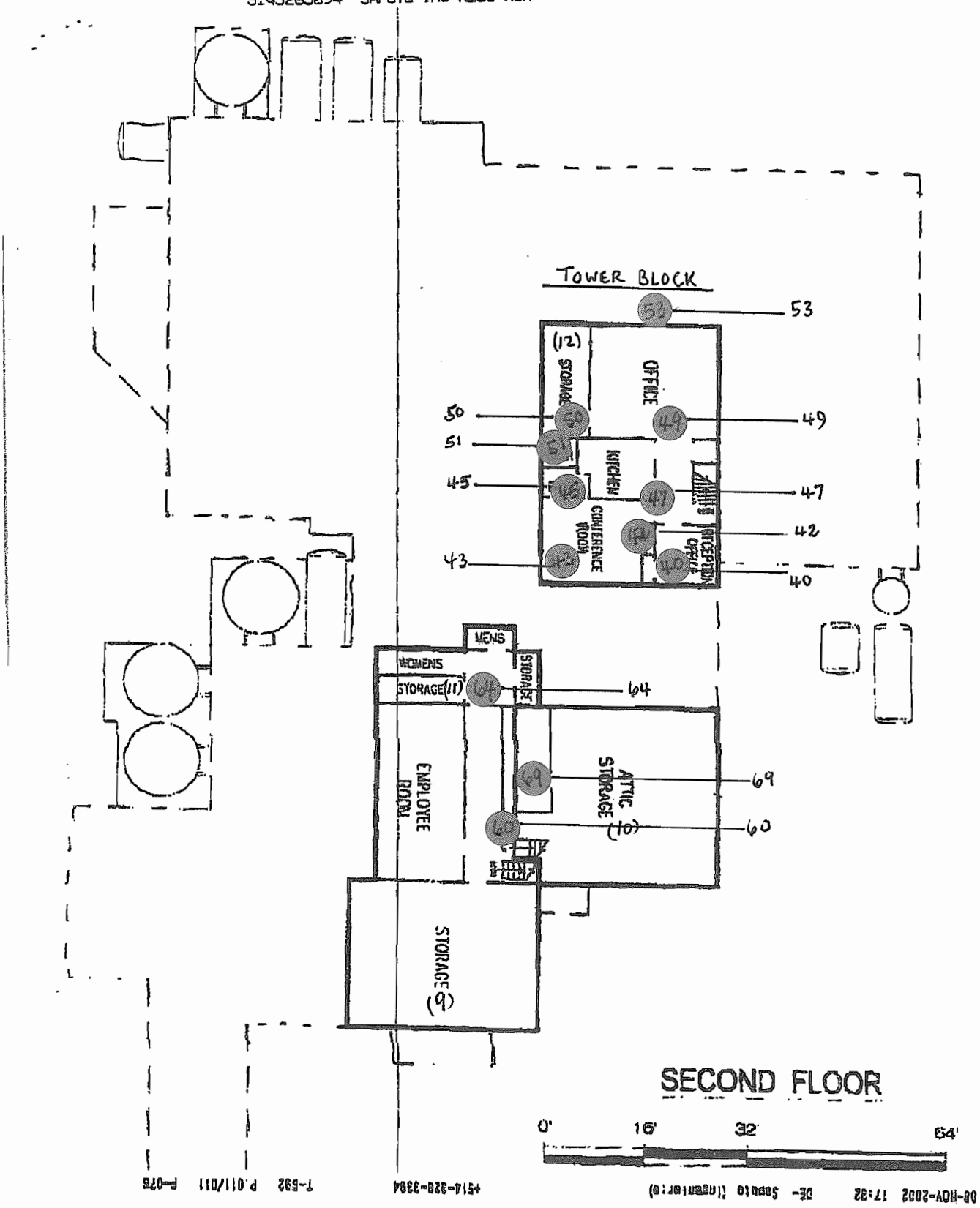
TOWER BLOCK
53
(12)
STORAGE
OFFICE
50
49
51
KITCHEN
45
47
CONFERENCE ROOM
42
43
RECEPTION
40
MENS
WOMENS
STORAGE (11)
64
STORAGE
69
ATTIC STORAGE (10)
60
EMPLOYEE ROOM
STORAGE (9)
SECOND FLOOR
0'
16'
32'
64'

ASBESTOS ANALYTICAL SERVICES

Vermont Department of Health
Drawer 30
P.O. Box 70
Burlington, VT 05402

EMSL ANALYTICAL, INC.
7 CONSTITUTION WAY SUITE 107
WOBURN MA 01801

LICENSE: AL357102 EXPIRES: Saturday, May 16, 2009

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VERMONT ASBESTOS REGULATORY PROGRAM

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THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

Lindsey Wells

ASBESTOS TEM-BULK ANALYST

RENALDO DRAKES
EMSL ANALYTICAL INC. 7 CONSITUTION WAY, STE. 107
WOBURN MA 01801

Vermont Department of Health
Drawer 30
P.O. Box 70
Burlington, VT 05402

LICENSE: TB785510 EXPIRES: Monday, July 13, 2009

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ASBESTOS PLM ANALYST

Vermont Department of Health
Drawer 30
P.O. Box 70
Burlington, VT 05402

KEVIN PINE
EMSL ANALYTICAL 7 CONSTITUTION WAY, SUITE 107
WORBURN MA 01801

LICENSE: PB017559 EXPIRES: Saturday, May 23, 2009

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Lindsey Wells

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APPENDIX 3

LEAD BASED PAINT AND MOLD INSPECTION REPORT

Richmond Vermont Brownfield Site

Former Saputo Cheese Facility

Lead Based Paint & Mold Inspection

Performed under Contract for:
The Johnson Company, Inc.
100 State Street, Suite 600
Montpelier, VT 05602

April 24, 2009

Environmental Health & Safety, Inc
345 May Farm Road
Barton, Vermont 05822

Table of Contents

TABLES

1.0 INTRODUCTION

This report details a mold and lead based paint inspection performed at a Brownfield Site located in Richmond, Vermont. The inspection was completed on March 24, 2009 by EverGreen Environmental Health and Safety, Inc., (EverGreen) under contract to The Johnson Company, Inc. (JCO) of Montpelier, Vermont.

1.1 BACKGROUND INFORMATION

The Richmond, Vermont Brownfield Site under investigation by JCO is a former a dairy plant that was most recently operated by Saputo Cheese. As a cheese processing plant, several wall, floor, and ceiling surfaces had to meet Federal Food and Drug Administration standards to insure food safety. However, the building as a whole was constructed before 1978, so it is possible that lead based paint may have been used as a coating product in building locations removed from the cheese production activities.

Visible roofing leaks in the building have allowed water and moisture to penetrate into the interior. These conditions are favorable to mold growth if suitable substrates are present. During an initial walkthrough of the building, mold growth was observed.

2.0 MATERIALS AND METHODS

2.1 MOLD SAMPLING

The objective of the mold sampling for this inspection was to identify the type of mold present. Bulk samples of visible mold growth on interior building components were selected, bagged, labeled, and submitted under a chain of custody procedure to an accredited laboratory for identification. Mold identification was performed by a validated in-house microscopy method at Galson Laboratories. Laboratory results are compiled in Appendix A.

2.2 LEAD BASED PAINT SAMPLING

Lead based paint sampling was conducted using two methods:

a. An X-Ray Fluorescence (XRF) Instrument: A direct reading method that uses x-ray energy to measure the amount of lead present coating the tested material. The type of instrument used for this inspection was an Innovx tube type XRF that does not carry a radioactive source. The performance characteristic sheet and other information about the unit are located in Appendix B.

b. Paint Chip analysis: Using a dedicated scraping tool, additional samples were taken of coatings that had been previously tested via the XRF method. These samples served as a quality assurance test of XRF operation. The coating scrapings were selected, bagged, labeled, and submitted under a chain of custody procedure to an accredited laboratory. Paint Chips were analyzed using a modified EPA method – SW 846 6010C / 6020A – Lead analysis by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP/AES). Laboratory results are compiled in Appendix A.

3.0 STANDARDS

3.1 MOLD STANDARDS

Mold and mold spores are generally recognized as biological source of toxins, and are capable of producing an allergic response in humans. The extent of the toxic and allergenic response is determined by the type of mold, and the sensitivity of the person who is experience the exposure to the mold or mold spores. The growth of mold on interior surfaces of inhabited buildings is considered to be a key indicator of moisture problems within the structure. Standards or Threshold

Limit Values (TLVs) for airborne concentrations of mold, or mold spores, have not been set. Currently, there are no EPA regulations or standards for airborne mold contaminants.

3.2 LEAD STANDARDS

Lead is a recognized health hazard. Exposures to lead are regulated by the Occupational Health and Safety Administration (OSHA) in the workplace, and by the Environmental Protection Agency (EPA) in soil, water, air, and solid waste. Residential lead hazard standards have been promulgated and adopted by both the EPA and the US. Department of Housing and Urban Development (HUD), and are targeted towards preventing lead poisoning in children.

In 1992, U.S. Federal legislature enacted into law the Housing and Community Development Act of 1992. Title ten (Title X) of this Act is known as the "Residential Lead-based Paint Hazard Reduction Act of 1992". This law defines Lead –based Paint as paint that contains lead ≥ 1.0 mg /cm^2 or has a lead content at or greater than 0.5% by weight. Under the HUD / EPA regulations, lead is considered a hazard when equal to or exceeding 40 micrograms of lead in dust per square foot on floors, 250 micrograms of lead in dust per square foot on interior window sills, and 400 parts per million (ppm) of lead in bare soil in children's play areas, or 1200 ppm average for bare soil in the rest of the yard. The use of lead in paint was regulated by the U.S. Consumer Product Safety Commission in 1978; the legal maximum lead content of paint sold after this date is limited to no more than 0.06% by weight.

4.0 RESULTS AND DISCUSSION

4.1 MOLD RESULTS

Bulk samples locations and analysis results are as listed in the Table 1 below:

Table 1: Mold Identification Results

Sample ID	Sample Location	Substrate Type	Results
Mold-01-1	Bathroom Shower Ceiling, 2nd floor office area, "Tower Block"	Pressed particle board	- mycelial fragments, light - Aspergillus/Penicillium-like, light - Cladosporium, light - Other/Unidentified, light
Mold-01-2	Bathroom wall, 2nd floor office area, "Tower Block"	Drywall / wood combination	- Mycelial fragments, light - Aspergillus/Penicillium-like, moderate - Cladosporium, light - Other/Unidentified, light
Mold-01-3	Conference Rm ceiling, 2nd floor office area, "Tower Block"	Ceiling tile, particleboard	- Mycelial fragments, light - Aspergillus/Penicillium-like, light - Basidiospores, light - Cladosporium, light
Mold-01-4	Basement, Production Room ceiling	Formica /transite –type surface	- Mycelial fragments, light - Cladosporium, light - Other/Unidentified, light

It should be noted that although the sampling results indicate "light" contamination, some sampling locations were visually determined to be heavily covered with mold-like substances.

4.2 MOLD DISCUSSION

All four mold types identified are ubiquitous, common to indoor environments that have moisture problems, and prevalent in outdoor environments in Northern New England. Aspergillus and Penicillium have similar morphology; they are grouped together for reporting purposes. Cladiosporium grows extremely well on cellulose-based materials. The Aspergillus / Penicillium-like molds are capable of producing toxic material that could be inhaled when disturbed; Cladiosporium is relatively non-toxic, but does elicit a significant allergenic response in affected individuals.

It should be noted that for identification purposes only, bulk materials speckled lightly with presumed mold were submitted to the laboratory; heavy growths of mold – like substances in the interior of the site were evident. If a decision is made to remediate or demolish the structure at the site, appropriate respiratory protection is highly recommended. Disturbance of the visible fungal growth will liberate spores, and has the potential to expose workers to fungal toxins.

4.3 LEAD BASED PAINT RESULT - XRF

The XRF analyses of interior and exterior coated surfaces throughout the building are tabulated in Table 2 below. Please note that the sampling numbers correspond to the labeled locations with regard to the site map as depicted in Appendix C.

Table 2: Lead Based Paint Results, XRF[1]

Sample ID	Location	Coating Identification	mg /cm^2
	Basement / Main Production Areas:		
1	Milk receiving, east wall	Grey / White paint	0
2	Milk receiving, south wall toward east corner	White paint	0
3	Milk receiving, floor, yellow stripe, south end	Yellow stripe paint	0
4	Milk receiving, west wall at south end	Grey paint	0
5	Milk receiving, west wall, middle	White paint	0
6	Milk receiving, west wall, north end	White paint	0
7	Milk receiving, east wall, north end	Green graffiti spray paint	0
8	Milk receiving, east wall, brick	White paint	0
9	Storage room, east side of milk receiving, east wall	White paint	0
10	Storage room 1 east side of milk receiving, window sill	White paint	0
11	Maintenance, east wall, where fire extinguisher hung	Red paint patch	0
12	Maintenance, east wall, by exit door	White paint	0
13	Storage room, south side of maintenance, north wall	White paint	>1.0
14	Storage room, south side of maintenance, door trim	White paint	>1.52
15	Storage room adjacent to Micro-Scan room, west wall	White paint	0
16	Same location as above, different paint color	Grey paint	0
17	Micro-Scan room, east wall	White paint	4.98
18	Micro-Scan room, east wall, north end	Grey paint	0
19	Micro-Scan room, west wall, window trim	White paint	0
20	Production room, north wall	White paint	0
21	Iron stairway in Production room	Green paint	>1.0
22	Production room, north wall	Grey paint	0

Sample ID	Location	Coating Identification	mg /cm^2
23	Production room, freezer door	Green paint	0
24	Packaging area, south wall, formica-like board	White coating	0
25	Packaging area, east wall formica-like board	White coating	0
26	Reverse Osmosis (RO) room formica-like board	White coating	0
27	RO room, east wall, brick	White	0
28	RO room, east wall brick	Grey	0
29	RO room, east wall, window casing	Green paint	0
30	Production room, brick behind formica-like south wall	White coating	0
31	Production room, north wall, west end of room, brick	White coating	0
32	Production room, west wall, coating on cement behind formica-like wall covering	White coating	>1.0
33	Door in production area near maintenance	Grey paint	0
	First Floor Storage Rms, maintenance, lab		
34	Ammonia Compressor Room, door and casing	White paint	0
35	Ammonia Compressor room north end of east wall, brick	Red	0
36	Exit door off Ammonia Compressor room, exits west	Grey paint	0
37	Same door as above, white casing	White paint	0
38	Storage A, west wall, brick	White paint	0
39	Storage A, west wall, window casing (inside window)	Grey paint	4.13
40	Storage A, west wall between window	Grey paint	0
41	Storage A, west wall, window frame / trim	Grey paint	0
42	Storage A, door through north wall	Grey paint	1.24
43	Storage A, window on north wall, casing	White paint	0
44	Storage A, ceiling, I-beam	Grey paint	0
45	Storage B, door jamb, north entryway of room	Grey paint	>1.0
46	Storage B, door panel, north entryway of room	Grey paint	0
47	Storage B, Electrical room, south wall	White paint	1.00
48	Storage B, wood wall next to elevator	White paint	1.22
49	Storage B, west cinder block wall outside Lab	White paint	0
50	Storage B, ceiling, wood lathe above transite layer	Peeling wood	0
51	Storage B, Lab, cinder block on east wall	Pink paint	0
52	Same as above, different color paint	White paint	0
53	Storage B, Lab, brick, west wall	White paint	0
54	Storage B, stairwell on west end, closet, brick	White paint	0
55	Same as above, door to closet, door panel	Grey paint	1.04
56	Same as above, door to closet, door jamb	Grey paint	0
57	Storage B, east wall, brick	White paint	1.0
58	Storage B, south wall cinder block	White paint	0
59	Culture room, east wall, brick, 2 ft up from floor	White paint	0
60	Same as above, 5 ft up from floor	White paint	1.75

Sample ID	Location	Coating Identification	mg /cm^2
61	Culture room, south wall, brick	White paint	0
62	Storage C, north wall, brick	Red paint	0
63	Storage C, window in north wall, fascia above window	White paint	>1.0
64	Storage C, same as above, window casing near floor	White paint	0
65	Storage D, I-beam	Red paint	0
66	Storage C, west wall, door, jamb	Grey paint	0
	Second Floor "Tower Block"		
67	Tower, stairwell, treads	Brown paint	0
68	Tower, wooden mopboard at top of stairwell	Beige paint	0
69	Tower, west wall, wood, near reception area	White paint	0
70	Tower, reception area, west wall window sill	White paint	0
71	Same as above, window casing	White paint	0
72	Same as above, exterior window sill	White paint	0
73	Tower, Conference room, north window, sill	White paint	0
74	Tower building, exterior cement shingles, north side	Blue paint	>1.0
75	Tower, bathroom, east wall window sill	White paint	0
76	Tower, kitchen, north wall, fiberboard	Light blue paint	0
77	Tower building, exterior cement shingle, south side	Blue paint	>1.0
78	Tower, main office, window, south side, casing	White paint	0
79	Tower, main office, window, south side, sill	White paint	0
80	Tower, main office, south wall, lathe behind paneling	White paint	0
	Red brick building 2nd floor		
81	Storage E, west wall, wood	Cream paint	0
82	Same as above, drywall	Cream paint	0
83	Storage E, south wall, door jamb	White paint	0
84	Employee break room, plywood flooring	Grey paint	0
85	Employee break room, north wall, drywall	White paint	0
86	Employee break room, east wall window, sill	White paint	0
87	Employee break room, east wall window, casing 20" up from sill	White paint	4.30
88	Same as above, casing right at sill level	White paint	0
89	Same as above, window casing on north end of window	White paint	3.34
90	Women's room, south wall, wood	Grey paint	>1.0
91	Women's room, south wall, wood	White paint	0
92	Men's room, south wall, wood	Grey paint	>1.0
93	Men's room, entrance door	White paint	>1.0
94	South end of building section, Storage G, door	Brown paint	0
95	Attic Storage F, door jamb	White paint	0
96	Attic Storage F, stairwell to attic extension, door jamb	Blue / grey paint	2.81
97	Attic Storage F, north wall, former window casing	Dark blue paint	1.41
98	Exterior brick, west exterior wall, Attic Storage F	Red paint	0

Sample ID	Location	Coating Identification	mg /cm^2
99	Attic Storage F, west wall, window, casing	White paint	3.81
100	Attic Storage F, north wall, lath / plaster	White paint	>1.0
101	Attic Storage F, stairwell from employee room, north wall	Dark blue paint	2.12
102	Same as above, lath / plaster above door entry	Cream paint	2.12
103	Stairwell from Storage A to employee room, all walls	White paint	0
	Building exterior		
104	Loading dock to first floor, door, panel	Grey paint	1.72
105	Red brick, exterior of building, 48" up from floor level	Red paint	0
106	Foundation	Red paint	>1.0
107	Addendum to sample # 104 door casing, same location	White paint	0

[1] Positive results are highlighted in light red.

4.4 Lead Based Paint Results – Lead Paint Chip Analysis

For Quality Assurance / Quality Control purposes, samples of paint chips from XRF tested surfaces were analyzed by ICP/AES to ensure repeatability of results. Quality Control XRF testing results are included in the XRF information located in Appendix B. Please note that coatings which tested both negative and positive via XRF method were included in the QA/QC round. The results of laboratory analysis are listed in Table 3.

Table 3: Lead Paint Chip Results, Laboratory Analysis

Sample ID	Location	XRF Results mg /cm^2	% Lead by weight, lab analysis
4	Milk receiving, west wall at south end	**0**	**<0.0025**
11	Maintenance, east wall, where fire extinguisher hung	**0**	**0.0082**
87	Employee break room, east wall window, casing 20" up from sill	**4.3**	**6.8**
89	Same as above, window casing on north end of window	**3.34**	**3.5**
96	Attic Storage F, stairwell to attic extension, door jamb	**2.81**	**14**
104	Loading dock to first floor, door, panel	**1.72**	**1.5**

4.5 Lead Based Paint Discussion

The use of lead based paint as a coating material in older structures is very common. At this site, the basement area where food production activities were conducted, much of the cement, brick, cinder block, formica-like wall panels, and drywall are relatively free from lead content, with the exception of four positive areas adjacent to food production (two in a maintenance storage area, one in the Micro-Scan room, and a positive lead paint coating on an iron stairway) and one positive reading in the Production room, on painted cement block located behind the formica-like paneling.

The first floor of the building is comprised of Storage Rooms A-D and utility rooms. Lead based coatings were found in 28% of the building components tested on this floor. Of the nine positives, five are associated with door & window components (door panels, jambs, window fascia and casings) and the other four were associated with either wood wall or brick wall coatings.

The second floor "Tower Block" section of the site, which housed the main office, conference room, kitchen and bathroom, was free of any lead based paint on the interior of this section. Testing on exterior light blue shingle material was performed on the north and south facing exterior walls; two positive results (one at each location) were recorded for this exterior shingle material.

The area of the building with the most positive results was the second floor, separate from the "Tower Block", and identified on the site map as the "Red Brick second floor" section. This area held the employee break and locker rooms, and an Attic Storage area that was once used as a maintenance room. Of the twenty – three tests taken in this area, eleven were positive (48%). The majority of the positive were confined to the Attic Storage area, where six of the eleven positives were detected. Much of the walls, doors, and window components in this area tested positive. The other five positives outside of the Attic Storage area were associated with the window components in the employee break room, and the wall and doors of the woman's and men's bathrooms.

The exterior of the building had a few positives, to include a door on the loading dock, first floor, the light blue shingles on the exterior of the Tower Block, and slight positives associated with the coatings on the foundation. Red brick and white paint on the exterior tested negative.

Overall, the pattern of lead based paint testing results matches the perceived age of the building and /or building component, and the use of the space where testing was performed. Areas where testing gave positive but low readings (>1.0 mg /cm^2) indicate areas where lead paint may have been used in the past, but was removed and the building component re-coated with a more lead-friendly product. When lead based paint is stripped, commonly a residue is left behind that has enough lead content to test positive.

Demolition of this building will liberate lead dust that could contaminate the surrounding soil. In addition, both respiratory and personal protective equipment (coveralls, etc) and best hygiene practices need to be employed to safeguard workers when renovation or demolition activities take place. Special attention to the Red Brick second floor area is highly recommended to limit the amount of lead contaminated dust that could be released to the environment.

4.6 LEAD TESTING QUALITY ASSURANCE / QUALITY CONTROL (QA/QC)

Good correlation of test results (positive vs. negative) occurred between the XRF testing and the analysis of paint chips performed in the laboratory. Two samples in the milk receiving bay that tested negative for lead using the XRF were validated by the laboratory analysis. In addition, all samples that tested positive with the XRF also tested positive through laboratory analysis. For purposes of this report, the QA/QC field procedure verified the XRF positives. It should be noted that the units of measure between the XRF (mg /cm^2) and the laboratory analysis (% by weight) are not the same, however the HUD definition of lead – based paint includes any paint that tests greater than 0.5% by weight of lead. Laboratory analysis shows that the four XRF positive samples meet this criterion.

APPENDIX A: LABORATORY RESULTS

GALSON LABORATORIES
6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

LABORATORY ANALYSIS REPORT

Client : EverGreen Env. Health & Safety, Inc.
Site : Richmond VT Brownfield
Project No. : LBP-01-033109

Date Sampled : 31-MAR-09
Date Received : 10-APR-09
Date Analyzed : 14-APR-09
Report ID : 607915

Account No.: 21064
Login No. : L191286

Lead

Sample ID	Lab ID	Weight g	Total ug	Conc mg/kg	Percent %
LBP-01-4	L191286-1	0.099	<2.5	<25	<0.0025
LBP-01-11	L191286-2	0.10	8.3	82	0.0082
LBP-01-87	L191286-3	0.10	6800	68000	6.8
LBP-01-89	L191286-4	0.10	3600	35000	3.5
LBP-01-96	L191286-5	0.10	15000	140000	14
LBP-01-104	L191286-6	0.10	1500	15000	1.5

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 25. mg/kg
Analytical Method : mod. OSHA 125G/SW846 6010B/C;ICP;PAINT
OSHA PEL (TWA) : NA
Collection Media : Paint

Submitted by: MLR/CRG
Approved by : crd
Date : 15-APR-09 NYS DOH # : 11626
QC by: Tony D'Amico

< -Less Than
> -Greater Than
NA -Not Applicable
mg -Milligrams
ug -Micrograms
ND -Not Detected
m3 -Cubic Meters
l -Liters
ppm -Parts per Million
kg -Kilograms
NS -Not Specified

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LABORATORY ANALYSIS REPORT

Client : EverGreen Env. Health & Safety, Inc.
Site : Richmond VT Brownfield
Project No. : LBP-01-033109

Date Sampled : 31-MAR-09
Date Received : 10-APR-09
Date Analyzed : 14-APR-09
Report ID : 607925

Account No.: 21064
Login No. : L191286
Incubation Temp : NA

Client ID : MOLD-01-1 **Lab ID : L191286-7**
Analysis : Screen

Parameter	Level of contamination
Mycelial Fragments	Light
Acremonium-like	ND
Alternaria	ND
Ascospores	ND
Aspergillus/Penicillium-like	Light
Basidiospores	ND
Bipolaris/Drechslera	ND
Chaetomium	ND
Cladosporium	Light
Curvularia	ND
Epicoccum	ND
Fusarium	ND
Memnoniella	ND
Nigrospora	ND
Paecilomyces-like	ND
Pithomyces	ND
Rusts/Smuts	ND
Scopulariopsis	ND
Stachybotrys	ND
Torula	ND
Trichoderma-like	ND
Ulocladium	ND
Other/Unidentified	Light

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 1 Spore
Analytical Method : GALSON IB-BULKS
Sampler : Bulk

Submitted by: CDT
Approved by : RCF
Date: 14-APR-09
QC by: Tony D'Amico

< -Less Than > -Greater Than m3 -Cubic Meters NA -Not Applicable
cm2 -Square Centimeters CFU -Colony forming units g -Grams NS -Not Specified
ND -Not Detected

GALSON LABORATORIES
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FAX: (315) 437-0571
www.galsonlabs.com

Client : EverGreen Env. Health & Safety, Inc.
Site : Richmond VT Brownfield
Project No. : LBP-01-033109

Date Sampled : 31-MAR-09
Date Received : 10-APR-09
Date Analyzed : 14-APR-09
Report ID : 607925

Account No.: 21064
Login No. : L191286
Incubation Temp : NA

Client ID : MOLD-01-2 **Lab ID : L191286-8**
Analysis : Screen

Parameter	Level of contamination
Mycelial Fragments	Light
Acremonium-like	ND
Alternaria	ND
Ascospores	ND
Aspergillus/Penicillium-like	Moderate
Basidiospores	Light
Bipolaris/Drechslera	ND
Chaetomium	ND
Cladosporium	Light
Curvularia	ND
Epicoccum	ND
Fusarium	ND
Memnoniella	ND
Nigrospora	ND
Paecilomyces-like	ND
Pithomyces	ND
Rusts/Smuts	ND
Scopulariopsis	ND
Stachybotrys	ND
Torula	ND
Trichoderma-like	ND
Ulocladium	ND
Other/Unidentified	Light

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 1 Spore
Analytical Method : GALSON IB-BULKS
Sampler : Bulk

Submitted by: CDT
Approved by : RCF
Date: 14-APR-09
QC by: Tony D'Amico

< -Less Than > -Greater Than m3 -Cubic Meters NA -Not Applicable
cm2 -Square Centimeters CFU -Colony forming units g -Grams NS -Not Specified
ND -Not Detected

GALSON LABORATORIES
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FAX: (315) 437-0571
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Client : EverGreen Env. Health & Safety, Inc.
Site : Richmond VT Brownfield
Project No. : LBP-01-033109

Date Sampled : 31-MAR-09
Date Received : 10-APR-09
Date Analyzed : 14-APR-09
Report ID : 607925

Account No.: 21064
Login No. : L191286
Incubation Temp : NA

Client ID : MOLD-01-3 **Lab ID : L191286-9**
Analysis : Screen

Parameter	Level of contamination
Mycelial Fragments	Light
Acremonium-like	ND
Alternaria	ND
Ascospores	ND
Aspergillus/Penicillium-like	Light
Basidiospores	Light
Bipolaris/Drechslera	ND
Chaetomium	ND
Cladosporium	Light
Curvularia	ND
Epicoccum	ND
Fusarium	ND
Memnoniella	ND
Nigrospora	ND
Paecilomyces-like	ND
Pithomyces	ND
Rusts/Smuts	ND
Scopulariopsis	ND
Stachybotrys	ND
Torula	ND
Trichoderma-like	ND
Ulocladium	ND
Other/Unidentified	ND

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 1 Spore
Analytical Method : GALSON IB-BULKS
Sampler : Bulk

Submitted by: CDT
Approved by : RCF
Date: 14-APR-09
QC by: Tony D'Amico

< -Less Than > -Greater Than m3 -Cubic Meters NA -Not Applicable
cm2 -Square Centimeters CFU -Colony forming units g -Grams NS -Not Specified
ND -Not Detected

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Client : EverGreen Env. Health & Safety, Inc.
Site : Richmond VT Brownfield
Project No. : LBP-01-033109

Date Sampled : 31-MAR-09
Date Received : 10-APR-09
Date Analyzed : 14-APR-09
Report ID : 607925

Account No.: 21064
Login No. : L191286
Incubation Temp : NA

Client ID : MOLD-01-4 **Lab ID : L191286-10**
Analysis : Screen

Parameter	Level of contamination
Mycelial Fragments	Light
Acremonium-like	ND
Alternaria	ND
Ascospores	ND
Aspergillus/Penicillium-like	ND
Basidiospores	ND
Bipolaris/Drechslera	ND
Chaetomium	ND
Cladosporium	Light
Curvularia	ND
Epicoccum	ND
Fusarium	ND
Memnoniella	ND
Nigrospora	ND
Paecilomyces-like	ND
Pithomyces	ND
Rusts/Smuts	ND
Scopulariopsis	ND
Stachybotrys	ND
Torula	ND
Trichoderma-like	ND
Ulocladium	ND
Other/Unidentified	Light

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of Quantitation: 1 Spore
Analytical Method : GALSON IB-BULKS
Sampler : Bulk

Submitted by: CDT
Approved by : RCF
Date: 14-APR-09
QC by: Tony D'Amico

< -Less Than > -Greater Than m3 -Cubic Meters NA -Not Applicable
cm2 -Square Centimeters CFU -Colony forming units g -Grams NS -Not Specified
ND -Not Detected

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LABORATORY FOOTNOTE REPORT

Client Name : EverGreen Env. Health & Safety, Inc.
Site : Richmond VT Brownfield
Project No. : LBP 01-033109

Date Sampled : 31-MAR 09 Account No.: 21064
Date Received: 10 APR 09 Login No. : L191286
Date Analyzed: 14-APR 09

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L191286 (Report ID: 607915) : The Lead results are considered accurate to within 100% -/-13.3 based on a 95% confidence interval. The estimated uncertainty relates only to the analytical procedure and does not account for the uncertainty associated with the sampling process. Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: MT-SOP-5(5), MT-SOP-9(3)
LOQ may vary due to actual sample weight used for preparation.

L191286 (Report ID: 607925) : SOPs: lb bulks(6)

< -Less Than	mg -Milligrams	m3 Cubic Meters	kg -Kilograms
> -Greater Than	ug -Micrograms	l Liters	NS -Not Specified
NA Not Applicable	ND -Not Detected	ppm -Parts per Million	

GALSON LABORATORIES
6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)
Fax: (315) 437-0571
www.galsonlabs.com

☐ Check if change of address

New Client ? ☑ yes ☐ no

Report To : Terese Churchill
345 May Farm Rd
Barton, Vt 05822

Phone No. : 802-673-3369
Fax No. :

Invoice To : EverGreen Environment Health & Safety Inc.
345 May Farm Road
Barton, Vt 05822

Phone No. : 802-673-3369
Fax No. :

Site Name : Richmond VT Brownfield Project : LBP-01-033109 Sampled By : TMC

Need Results By:	(surcharge)
☑ 5 Business Days	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☐ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

☐ **Samples submitted using the FreePumpLoan™ Program**

Client Account No. :
Purchase Order No. :
Credit Card No.: 4147 3400 1403 1294 Card Holder Name : Terese Churchill Exp. : 06/11

☐ **Samples submitted using the FreeSamplingBadges™ Program.**

Email / Fax Results To : Terese Churchill
Email Address : tchurchill@evergreen-environment.com Fax No. :

Sample Identification	Date Sampled	Collection Medium (Paint)	*Air Volume (Liters)	Passive Monitors (Min)	Analysis Requested	Method Reference	Specific DL Needed
LBP-01-4	03/31/09	Bulk chips			Lead (Paint) Mod SW 846	6060C / 6020A	
LBP-01-11	↓	↓					
LBP-01-87							
LBP-01-89							
LBP-01-96							
LBP-01-104							
Mold-01-1	03/31/09	Bulk substrate			Spores / Mycelial Fragments	Microscopy	
Mold-01-2	↓	↓					
Mold-01-3							
Mold-01-4							

☑ Yes ☐ No **We normally add a laboratory blank for each analyte. We will charge you for this at our normal rate. If you agree please check "Yes" otherwise check "No".**

List description of industry or process / interference's present in sampling area : Include a lab blank for the lead analysis only, please.

Comments :

Chain of Custody	Print Name	Signature	Date/Time
Relinquished by :	Terese Churchill		04-03-2009
Received by LAB :	ACostello		4/10/09 1107

Samples received after 3pm will be considered as next day's business *** sample collection time X LPM = Air Vol.**

GALSON LABORATORIES

6601 Kirkville Road
East Syracuse, NY 13057-0369
Phone: (888) 432-5227
Fax: (315) 437-0571
www.galsonlabs.com

Analytical Notes for Microbiology

Air-O-Cell™ Cassettes

Air-O-Cell™ cassettes and other spore traps may trap particles that can interfere with spore counts. Galson Laboratories provides an estimation of the density of these particles, referred to as a Crowding Factor. The Crowding Factor ranges from 0 to 4 and is explained below.

Crowding Factor	*Explanation*
0	No particles detected.
1	Particles are far apart and in low numbers; spore counts not affected.
2	Particles are close together and/or overlapping, occasionally obscuring spores; spore counts may be biased low.
3	Particles are crowded, frequently obscuring spores; spore counts are likely biased low.
4	Particles are overcrowded making analysis impossible; no spore counts provided. If certain spores are readily detectable, they are reported as "Detected".

Counts for any genus that exceed 300 spores are estimated to two significant figures.

Direct Microscopic Examination (Screens)

- Due to the inherent nature of screen samples, a spore count is not performed.
- Upon special request counts may be performed on swab, liquid, or bulk screens. Counts are never performed on tape lifts due to the nature of the samples to not have uniform distribution of spores.
- The amount of a particular spore detected is reported as a "Level of contamination": Light, Moderate, or Heavy.
- The level of contamination is a subjective measurement and corresponds to the general quantity of spores present in a sample. It also describes the amount of spores relative to one another.

Viable Fungi Analysis

- Standard growing conditions for viable fungi are 25°C ± 1°C for 7 days.
- Standard growing conditions for viable thermophilic fungi are 37°C ± 1°C for 7 days.
- Results are reported in colony forming units (CFUs). A CFU can originate from one or many spores.
- Galson Laboratories uses and provides Potato Dextrose agar for all cultureable fungal methods. We have found Potato Dextrose agar to be suitable for the culture of the widest range of organisms. Other agars submitted or requested by clients are grown under the above standard conditions unless otherwise requested by the client.
- Some fungi may not produce identifiable structures in culture or under standard growing conditions. These fungi will be considered sterile hyphae and reported as such.
- Lack of growth under standard conditions does not preclude the presence of fungi or its viability in a sample.
- Samples taken with impactor samplers are not corrected for a positive hole correction factor.
- Identification of fungal organisms is based on visual microscopic examination at up to seven days of growth under standard conditions. Due to the large numbers of different species that may comprise them, certain genera may appear similar due to variations in stages of their life cycles, growth requirements, and/or environmental stress. A very limited amount of identification overlap may occur due to morphological similarities.
- Final interpretation of results is up to the person(s) responsible for conducting the sampling.

Quality Assurance

Galson Laboratories maintains quality assurance through the following steps. There is a daily QC program for all analysts. Samples are QC reviewed on a daily basis. A second analyst reexamines samples that have no observable spores. All reports are reviewed prior to release by the section supervisor as well as by the QA department. In addition, Galson Laboratories is AIHA accredited for fungal analysis (air culturable, bulk culturable, surface culturable, air direct exam, bulk direct exam, and surface direct exam).

APPENDIX B: XRF PERFORMANCE CHARACTERIZATION SHEET

• Pine •

Vrh-001 (06/01/04)

New Jersey Department of Environmental Protection
Bureau of Radiological Health, PO Box 415, Trenton, NJ 08625-0415
Phone:(609)984-5463 Fax: (609) 984-5811

Check One:
___Register 1st x-ray machine in facility
___Register 2nd x-ray machine, 3rd x-ray machine, etc
___Change information on current registration.

1 19 114
Facility Number
104948
Registration Number

RADIATION PRODUCING MACHINE REGISTRATION APPLICATION

NOTE: *Replacement of existing unit with new unit is NOT an update. A replacement x-ray machine needs a new registration form*

FACILITY NAME & ADDRESS (Print or type only)

Full Business Name: PINE Environmental Services Inc.

Owner's Name: Roger (First) Pinheiro (M. Init.) (Last) President (Title (MD, DDS, DVM, etc))

Physical Address of x-ray unit: (2) Windsor Industrial Park 92 N. Main Street

Windsor (City) NJ (State) 08561 (Zip Code + 4 digit) Mercer (County)

Telephone: 609 (Area Code) - 371 - 9663 Fax: 609 (Area Code) - 371 - 1663

Bill To Address–if different from above: P.O. BOX 943 Hightstown NJ 08520

MACHINE INFORMATION- MUST BE COMPLETED IN FULL

(A separate registration is required for each x-ray tube)

ENTER Machine Category (see machine source fee schedule for descriptions) 2 (2) N

Manufacturer: Sanoux System Model Name: M A-4000

Console Model No. N/A Console Serial No. 8065 Tube Serial No. B 265

Date Acquired ___ Max kVp: 35 Max mA 0.05 Max MeV ___ (if needed)

Location (Room ID, Building, Color, etc) if applicable: ___

MUST CIRCLE ONE: Type of X-ray Processing:

A = Automatic-film M = Manual- film CR = Computed Radiography

DR = Digital Radiography P = Polaroid N = No film (Industrial x-ray units)

REGULATORY REQUIREMENTS

1 The New Jersey Administrative Code 7:28-3.12 requires owners of all x-ray equipment to register within 30 days of acquisition.
2 NJAC 7:28 requires such owners have a radiation safety surveys performed on the equipment within 60 days of acquisition
See NJAC 7:28 for specifics. Owners are responsible for ensuring compliance with all regulations of NJAC 7:28 et seq

DO NOT SEND CHECK WITH REGISTRATION APPLICATION.
You will receive an invoice once the registration is complete.

ROGER PINHEIRO
Print Name Owner/Representative

President
Title

Roger Pinheiro, President
Signature (Owner/Representative)

6/27/07
Date

Date Received JUN 27 '07

For Bureau Use Only

Date Returned JUL - 3 2007

RETURN THIS FORM WITH PERMANENT RECORDS TO: N.J. DEPT OF ENVIRONMENTAL PROTECTION

National Institute of Standards & Technology

Certificate of Analysis

Standard Reference Material® 2573

Lead Paint Film
For Portable X-Ray Fluorescence Analyzers – Nominal 1.0 mg/cm^2
(Color Code: Red)

This Standard Reference Material (SRM) is intended for checking the calibration of portable, hand-held, x-ray fluorescence analyzers when testing for lead in paint coatings on interior and exterior building surfaces. A unit of SRM 2573 consists of a white polyester sheet, approximately 7.6 cm wide, 10.2 cm long, and 0.2 mm thick, coated with a single, red-colored paint layer, approximately 0.04 mm thick. A blank, SRM 2570, is also provided. The blank is coated with a lead-free, lacquer layer on a white polyester sheet of the same thickness as the lead paint samples. All sheets are over-coated with a clear, thin, plastic laminate to protect the surface from abrasion. SRM 2573 and SRM 2570 are two of a set of six paint films (SRM 2570 to SRM 2575) available as SRM 2579a.

The certified values for lead for this SRM and others in the series are reported in Table 1 in units of mg/cm^2. These values are based on measurements by isotope dilution inductively-coupled plasma mass spectrometry.

Table 1. Certified Lead Values

Level	Color Code	Lead Concentration, in mg/cm^2
SRM 2570	White (Blank)	<0.001
SRM 2571	Yellow	3.58 ± 0.39
SRM 2572	Orange	1.527 ± 0.091
SRM 2573	**Red**	**1.040 ± 0.064**
SRM 2574	Gold	0.714 ± 0.083
SRM 2575	Green	0.307 ± 0.021

The uncertainty of each certified value is expressed as an expanded uncertainty, U, at the 95 % level of confidence and is calculated according to the method described in the ISO Guide to the Expression of Uncertainty in Measurement [1,2]. Because of variability in the paint film between different sheets of each SRM, the uncertainties are 95 % prediction intervals. The expanded uncertainty is calculated as $U = ku_c$, where u_c is intended to represent, at the level of one standard deviation, the combined uncertainty due to material variability and measurement uncertainty. The coverage factor, k, is determined from the Student's t-distribution corresponding to the calculated effective degrees of freedom and 95 % level of confidence.

Expiration of Certification: The certification of this SRM is valid until **01 July 2009**, within the uncertainty specified provided the SRM is handled and stored in accordance with the instructions given in this certificate (see Use and Handling). However, the certification will be nullified if the SRM is damaged, contaminated, or otherwise modified.

The support aspects involved in the preparation, certification, and issuance of this SRM were coordinated through the NIST Standard Reference Materials Program by B.S. MacDonald.

Willie E. May, Chief
Analytical Chemistry Division

Gaithersburg, MD 20899
Certificate Issue Date: 29 November 1999

Thomas E. Gills, Director
Office of Measurement Services

Innovx XRF Calibration Checksheet

Innovx Model # A-4000
Serial # 8065

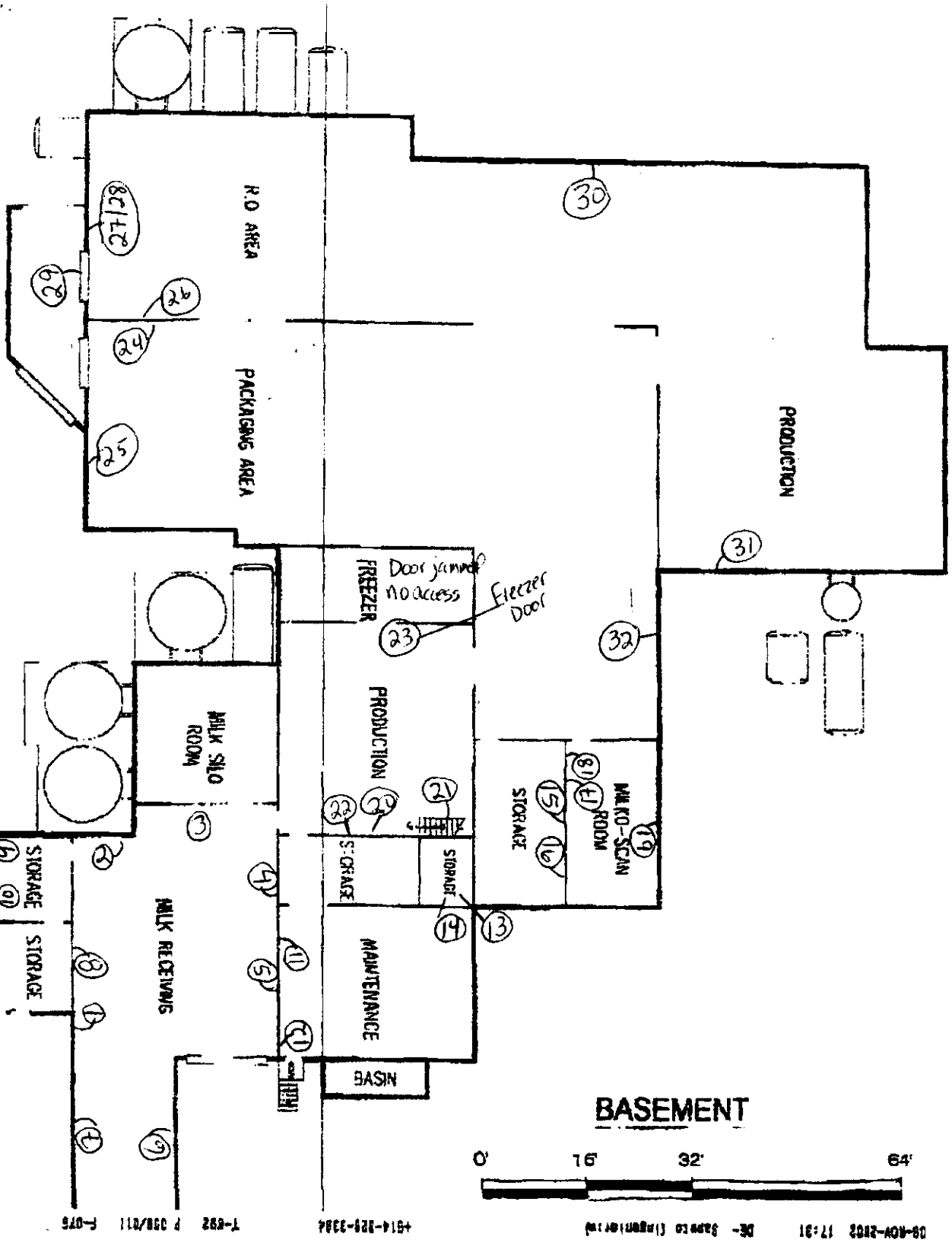
Date of Use: March 31, 2009
Analyst: Terese Churchill

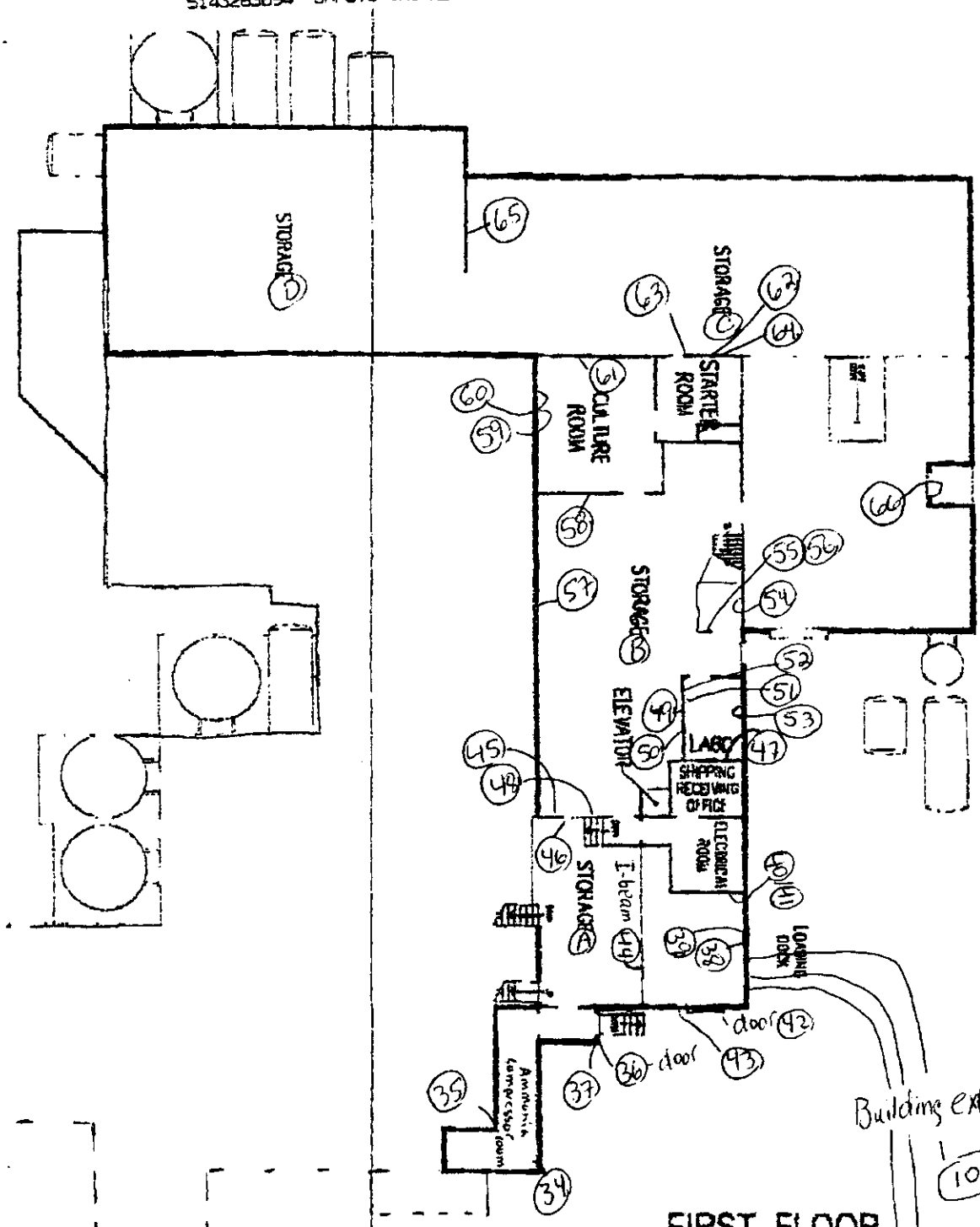
Signature: 

Calibration check method: Supplied NIST Standard Reference Material 2573
Lead Paint Film – Nominal 1.0 mg /cm^2
Reference range: 0.97 – 1.12 mg / cm^2

Pre Calibrations	1.12 mg / cm^2
Control check 1	1.13 mg / cm^2
Control check 2 (Battery change)	1.10 mg / cm^2
Final Calibration	1.04 mg / cm^2

APPENDIX C: SITE MAP


R.O AREA
PACKAGING AREA
PRODUCTION
FREEZER
Door jammed no access
Freezer Door
MILK SILO ROOM
PRODUCTION
STORAGE
MICRO-SCAN ROOM
STORAGE
STORAGE
STORAGE
MILK RECEIVING
MAINTENANCE
BASIN
BASEMENT
0' 16' 32' 64'
S
E
W
N



FIRST FLOOR

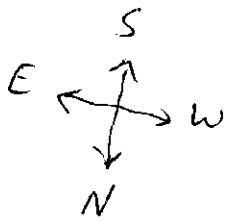
0' 16' 32' 64'

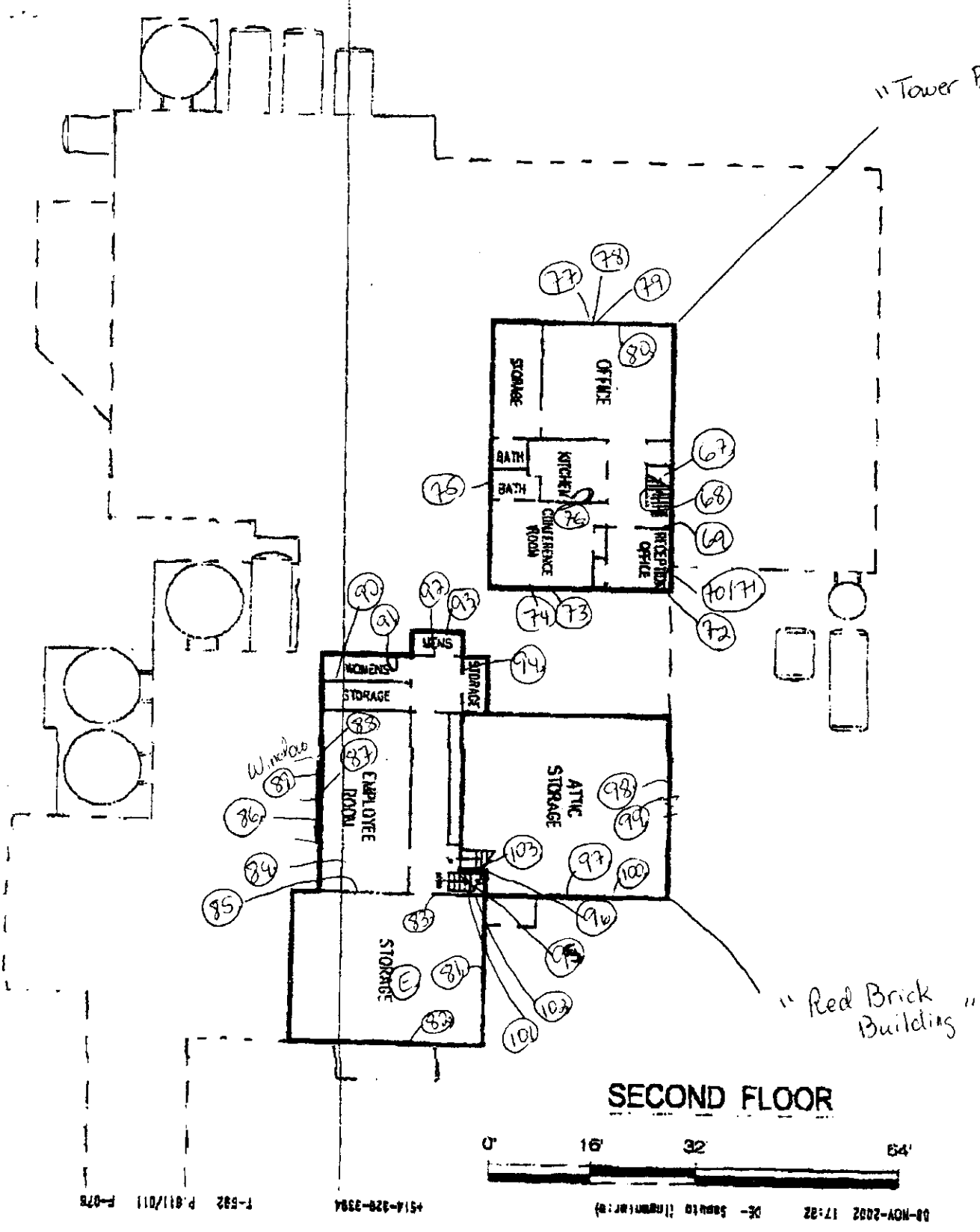
Building exterior

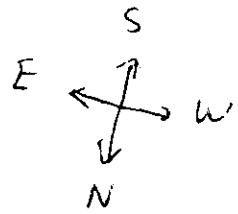
104 - loading dock door (casing is neg)

105 - Red brick

106 - Red foundation




"Tower Block"
STORAGE
OFFICE
BATH
BATH
KITCHEN
CONFERENCE ROOM
RECEPTION OFFICE
MENS
WOMENS
STORAGE
STORAGE
EMPLOYEE ROOM
ATTIC STORAGE
STORAGE
"Red Brick Buildings"
SECOND FLOOR
0'
16'
32'
64'


S
E
W
N

APPENDIX D: LABORATORY ACCREDITATION / INSPECTOR QUALIFICATIONS

AIHA

Protecting Worker Health

The American Industrial Hygiene Association

acknowledges that

Galson Laboratories

6601 Kirkville Road, East Syracuse, NY 13057

Laboratory ID: 100324

has fulfilled the requirements of the AIHA Laboratory Quality Assurance Programs (LQAP), thereby, conforming to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA in the following:

ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: 10/1/2010
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: 10/1/2010
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: 10/1/2010
☐	**FOOD**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with LQAP requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA website for the most current status of the scope of accreditation.

Laura R. McMahon

Laura R. McMahon
Chairperson, Analytical Accreditation Board

Lindsay E. Booher

Lindsay E. Booher, CIH, CSP
President, AIHA

Date Issued: 09/30/2008

LEAD INSPECTOR TECHNICIAN I

Vermont Department of Health
Drawer 30
P.O. Box 70
Burlington, VT 05402

TERESE CHURCHILL
345 MAY FARM ROAD
BARTON VT 05822

LICENSE: IT115722

EXPIRES: Friday, March 05, 2010

CERTIFICATE OF LICENSE
VERMONT LEAD REGULATORY PROGRAM

THIS CERTIFICATE SHALL REMAIN IN FORCE UNTIL THE EXPIRATION DATE UNLESS REVOKED OR VOIDED BEFORE THAT TIME. THIS CERTIFICATE IS NOT TRANSFERABLE AND IS VALID ONLY FOR THE ABOVE PARTY.

Lindsey Wells

THIS CERTIFICATE IS FOR OFFICE USE ONLY. PHOTO ID CARD MUST BE ON SITE AT ALL TIMES

APPENDIX 4

D.O.T. UNKNOWN FINGERPRINT ANALYSIS AND CONTAINERIZED MATERIALS INVENTORY

PRECISION
Industrial Maintenance, Inc

D.O.T Unknown Fingerprint Analysis

Generator Richmond Cheese Co.

Site Address Richmond, VT

Contact _____ Phone _____

Job Number 09-1011

Id #	Physical Description	Phase	Air React	oxidizer	peroxide	pH	flash	H2OR	soluble	Cyanide	sulfide	Rads	Initials
1	clear	(L) S	Y (N)	Y (N)	Y (N)	6-7	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)		
2	black (oil?)	(L) S	Y N	Y (N)	Y (N)	6-7	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)		
3	white powder	L (S)	Y N	Y (N)	Y (N)	9	Y (N)	Y (N)	(Y) N	Y (N)	Y (N)		heat w/ H_2SO_4
4	clear (water?)	(L) S	Y N	Y (N)	Y (N)	7	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)		heat w/ H_2SO_4
5	red (oily)	(L) S	Y N	Y (N)	Y (N)	7	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)		
6	brown (water)	(L) S	Y N	Y (N)	Y (N)	3-4	Y (N)	Y (N)	(Y) N	Y (N)	Y (N)		heat w/ H_2SO_4
7	blue (water/ink)	(L) S	Y N	Y (N)	Y N	6-7	(Y) N	Y (N)	Y (N)	Y (N)	Y (N)		heat w/ H_2SO_4 precipitate
8	clear (oily viscosity)	(L) S	Y N	Y N	Y N	<2	Y N	Y N	Y N	Y N	Y N	used	oil
9	clear (oil viscosity)	(L) S	Y N	Y (N)	Y (N)	<2	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	mild heat w/ H_2SO_4	
10	white granules	L (S)	Y N	Y (N)	Y (N)	9/10	Y (N)	Y (N)	(Y) N	Y (N)	Y (N)	high heat w/ H_2SO_4	
		(L) S	Y N	Y N	Y N		Y N	Y N	Y N	Y N	Y N		

Providing Quality Industrial and Environmental Services
1710 Erie Blvd, Schenectady, NY 12308 • (518) 346-5800 • (Fax) 346-6077
P.O. Box 508, Waterbury, VT 05676 • (802) 244-5979 fax (802) 244-8979
Toll Free 888-888-PIMI (7464) • www.precisionindustrial.biz

Richmond Creamery

3/31/09 Containerized Materials Inventory

Origin/Where Container was Found*	Label	Container Size/type	How full	Condition	Notes	Corresponding ID # on D.O.T Unknown Fingerprint Analysis
Receiving Dock Area	Diesel Fuel Conditioner	1 Quart Plastic	Seems Full	OK		
Receiving Dock Area	Diesel Pep	32 Oz Metal Container	Seems Full	Rusted But Container Intact		
Receiving Dock Area	C-21 Acrylic Latex	1 Gallon Plastic	Full	OK		
Receiving Dock Area	Permatec 3000 Light Grey	2 5 Gallon Plastic Pails	1 Full? 1 Mostly Full	Container Intact	Staining on outside of container indicates paint	
Receiving Dock Area	[Unreadable] deodorizing cleaner	1 Gallon Plastic	1/2 full	Container Intact/label peeled		
Receiving Dock Area	LPS 1 Greasless Lubricant	1 Gallon Plastic	Mostly Full	Container Intact		
Receiving Dock Area	Peak De-Icer and Claeaner	1 Gallon Plastic	1/3 Full	OK	Windshield Washer Fluid	
Receiving Dock Area	None	Plastic ?55 Gallon Plastic Drum	Mostly Full	Poor condition, drum cracked	Oily Rags	
Receiving Dock Area	Primer, Paint	7 Pint and Quart Sized metal Containers	Some Empty, Some full mostly solidified	Rusty		
Receiving Dock Area	Omala Oil 220 Industrial Gear Oil	5 gallon plastic pail	Container Sealed, but appears to be empty	Container Intact		
Receiving Dock Area	Super Neutral Heavy Duty Concentrate	5 gallon plastic pail	Seems Full	Container Intact	Cleaning Solution	

Richmond Creamery

3/31/09 Containerized Materials Inventory

Origin/Where Container was Found*	Label	Container Size/type	How full	Condition	Notes	Corresponding ID # on D.O.T Unknown Fingerprint Analysis
Receiving Dock Area	Lubrication Engineers Compressor Oil	2 ?10 gallon metal drums	1 is empty, other is sealed but seems to be mostly empty	Drums are rusty but intact		
Receiving Dock Area	Methyl Ethyl Ketone	One Gallon Metal Container	Empty	Rusted		
Receiving Dock Area	Hand labelled "pH 4"	? 2.5 Gallon Plastic Bladder In Cardboard Casing	Appears Empty	Marginal		
Receiving Dock Area	None	5 gallon plastic pail	About 1/4 full of oily liquid	Open top, container intact		**9**
Storage Area Next to Receiving Dock	35% Hydrogen Peroxide	Two ?55 Gallon Plastic Drums	Empty	Containers Intact		
Storage Area Next to Receiving Dock	Super Shock Swimming Pool Concentrate	One ?55 Gallon Plastic Drum	Empty	Container Intact		
Storage Area Next to Receiving Dock	Detergent for cleaning membrane systems in	One ?55 Gallon Plastic Drum	Empty	Container Intact		
Storage Area Next to Receiving Dock	Foundation/Roof Coating Asbestos Free/Unfibered	Four 5 gallon metal Containers	Somewhat full; heavy/conents appear to be solidified	Dented but containers intact	Tar staining on containers	
Storage Area Next to Receiving Dock	Diamond Cledar non-yellowing blush resistant couring and yellowing compound	5 Gallon Metal Pail	Some liquid present	Rusted but intact	label indicates "Contains Xylene"	
Storage Area Next to Receiving Dock	Cold Process Adhesive	5 Gallon Metal Pail	Heavy - possibly full	Dented + rusted, but container intact	asphault, petroleum distillate, encapsulated	
Storage Area Next to Receiving Dock	Liquiform release agent hydrocarbon solvent	5 Gallon Metal Pail	1 mostly full, 1 partially full	Dented but containers intact		

Richmond Creamery

3/31/09 Containerized Materials Inventory

Origin/Where Container was Found*	Label	Container Size/type	How full	Condition	Notes	Corresponding ID # on D.O.T Unknown Fingerprint Analysis
Storage Area Next to Receiving Dock	Conifilm evaporation reducer	Two 1 Gallon plastic containers	1 1/3 full, 1 1/8 full	Dented but containers intact	Label indicates VOC content as applied 11 gm/l (1 gallon of concentrate to 9 gallons of water)	
Storage Area Next to Receiving Dock	Design-Crete color release and color hardeners: silver, bone color, philly gray, light gray	Four 5 Gallon plastic pails	Heavy - possibly full; contents appear to be solidified			
Storage Area Next to Receiving Dock	Gasoline	Plastic ? 2.5 Gallon Gas cans	Small amount of liquid	ok		
Storage Area Next to Receiving Dock	Fresh step scoopable kitty litter	One 5 Gallon Plastic Bucket	Ice/liquid	open top	Could be water	**1 or 4**
Storage Area Next to Receiving Dock	Pro Form Joint Compound	One 5 Gallon Plastic Bucket	heavy; contents may be solid	Intact		
Basement Compressor Room	One unlabelled; one labelled "Lubrication Engineers"	Two 55 Gallon Metal Drums	One is Empty; other appears empty, but may have some oil	Poor Condition		
Basement/Production Area	Ammonia Solutions Cas 1336-21-6	55 Gallon Plastic Drum	Mostly Empty, but could be some residual liquid present	Intact		
Basement/Production Area	Principal Mechanical Cleaner for Dairy Food Processing	One 55 Gallon Drum	About 3/4 Full	Container Intact; One bung open	Contents could be water	
Basement/Production Area	Ultra Gro Direct Starter Culture Blend TD-25	Several ?Quart? sized containers	Appear empty	Intact; Encapsulated in ice on basement floor		

Richmond Creamery

3/31/09 Containerized Materials Inventory

Origin/Where Container was Found*	Label	Container Size/type	How full	Condition	Notes	Corresponding ID # on D.O.T Unknown Fingerprint Analysis
Basement/Freezer Room	Ultra Gro Direct Starter Culture Blend TD-25	Many ?Quart? sized containers	Most appear empty, some appear to have granular contents in containers	Intact		
Basement/Production "RO" Area (next to loading dock)	None	~ 5 gallon plastic container with cut open top and scoop	~1/8 full of white powder	Intact/Open top	?Possibly a cleaning concentrate	**3**
Basement/Production "RO" Area (next to loading dock)	Foundation Coating Black	5 gallon Metal container	heavy - contents solid	Container rusty but intact	Tar staining on outside of container	
Basement/Production "RO" Area (next to loading dock)	None	5 gallon plastic pail	1/8 full of oily red liquid	Open top; pail intact	Looks like transmission fluid	**5**
Basement/Production "RO" Area (next to loading dock)	Mandate - lt acid sanitizer	5 gallon plastic pail	Empty	Open top		
Basement/Production "RO" Area (next to loading dock)	? Natural Smoke Flavoring?	5 Gallon Plastic Pail with opening in top	About 1/2 full	Pail intact, open top	Smells like Barbeque sauce	
Maintenance Area	Harris Super X VOC Advance generation VOC comliant release agent	5 gallon metal bucket	Empty	Container intact; open top with some oily red residual - could be same as unlabelled container in Production RO (one that looks like tranny fluid)		

Richmond Creamery

3/31/09 Containerized Materials Inventory

Origin/Where Container was Found*	Label	Container Size/type	How full	Condition	Notes	Corresponding ID # on D.O.T Unknown Fingerprint Analysis
Maintenance Area	Gulf Grease No. O	5 gallon metal bucket	1/3 full	Container intact with lid		
Maintenance Area	Fungicidal Smoke Producer	~Pint metal can	Appears Full	Container intact but very rusty		
Maintenance Area	Chain Hoist Grease	~6 oz metal container	Unknown	Intact/rusty		
Maintenance Area	Pipe Joint compund and PVC glues	Various sized (pint, quart) metal containers	Some empty, some liquid, some solid	Containers in poor condition		
Maintenance Area	Sil Pro C-21 Acrylic Latex	1 Gallon Plastic	1/2 Full	Container Intact		
Maintenance Area	Diesel Fuel Conditioner	Six One Quart Plastic Containers	Mostly Full	Containers Intact		
Maintenance Area	Air Brake Conditioner	One Quart Metal Container	Mostly Full	Rusty but Intact		
Room Adjacent Maintenance Area	Acid Detergent Milkstone Remover Lime Solvent	1 Gallon Plastic	Mostly Full	Dented but Inact		
Room Adjacent Maintenance Area	None	35 Gallon Fiber Drum and 1 gallon metal container adhered to top	Seems about 1/3 full of solid material	Very Poor condition		
2nd floor Attic Storage	Unreadable "…dairy/food processing...for cleaning membrane systems…"	35 gallon Fiber Drum	Fiber drum mixed with possible contents in pile	Completely Destroyed		
2nd floor Attic Storage	No labels: "used oil" written on adjacent wall	One ?55 Gallon Metal Drum with funnel on top, 5 gallon plastic container	Unknown if drum is full; plastic container full of dark oily liquid	Drum in poor condition; plastic container intact		

Richmond Creamery

3/31/09 Containerized Materials Inventory

Origin/Where Container was Found*	Label	Container Size/type	How full	Condition	Notes	Corresponding ID # on D.O.T Unknown Fingerprint Analysis
2nd floor Attic Storage	C-21 Acrylic Latex	Three 1 gallon plastic containers	1 full; 1 partially full; 1 empty	Containers Intact		
2nd floor Attic Storage	Idophor Germicidal Detergent	One ?30 gallon plastic drum	mostly full; open on top	Container Inact	Contents could be water	**1 or 4**
2nd floor Attic Storage	Air compressor Oil Lubriplate	5 gallon metal container	full	Rusty but Intact		
2nd floor Attic Storage	Sodium Bicarbonate Food Grade	100 pound bag	full	Bag Torn on top; Not easily movable		
2nd floor Attic Storage	Primer and Quick Grout	2 boxes of pint and quart sized containers	Some full, some empty mostly solid material	Containers in Poor Condition		
2nd floor Attic Storage	Orange Industries Lubricant	One 5 Gallon Metal Pail	Full, seems solid	Rusted but intact		
2nd floor Attic Storage	Premium Multi Purpose floor adhesive	One 4 Gallon Plastic Pail	Full, seems solid	Container Intact		
Upper Attic Area	"Ruboroluem" for soaking milking machine inflation and tubing	Six 4 pound metal containers	Full w/granular material	Containers in Poor condition		**10**
Upper Attic Area	Milk Testing Acid	One ?5 gallon plastic container	Some liquid; moslty empty	OK condition; sealed container		
Ammonia Compressor Room	None	Three 5 gallon plastic containers	most about 1/2 full of what appears to be used oil	Intact		**2**
Ammonia Compressor Room	Ammonia	?250 gallon Tank	Unknown	Piping in place with lockout tags		
Ammonia Compressor Room	Lubrication Engineers Compressor Oil	Metal 55 Gallon Drum	Could be full, did not move to find out	Marginal Condition		

Richmond Creamery						
3/31/09 Containerized Materials Inventory						
Origin/Where Container was Found*	**Label**	**Container Size/type**	**How full**	**Condition**	**Notes**	**Corresponding ID # on D.O.T Unknown Fingerprint Analysis**

Notes: *Some containers had already been moved to loading dock and storage areas prior to inventory; did not move or disturb containers that were observed to be in poor condition, including: drums in basement/production area; 55 gallon drum of compressor oil in ammonia compressor room; 100 pound bag of sodium bicarbonate in attic storage; used oil drum in attic storage; destroyed fiber drum in attic storage; open top drum with liquid labelled "Idophor germicidal detergent" in attic storage; 3/4 full drum with open bung labelled "Prinicpal Metchanical Cleaner for Dairy Food Processing" in basement production area

APPENDIX 5

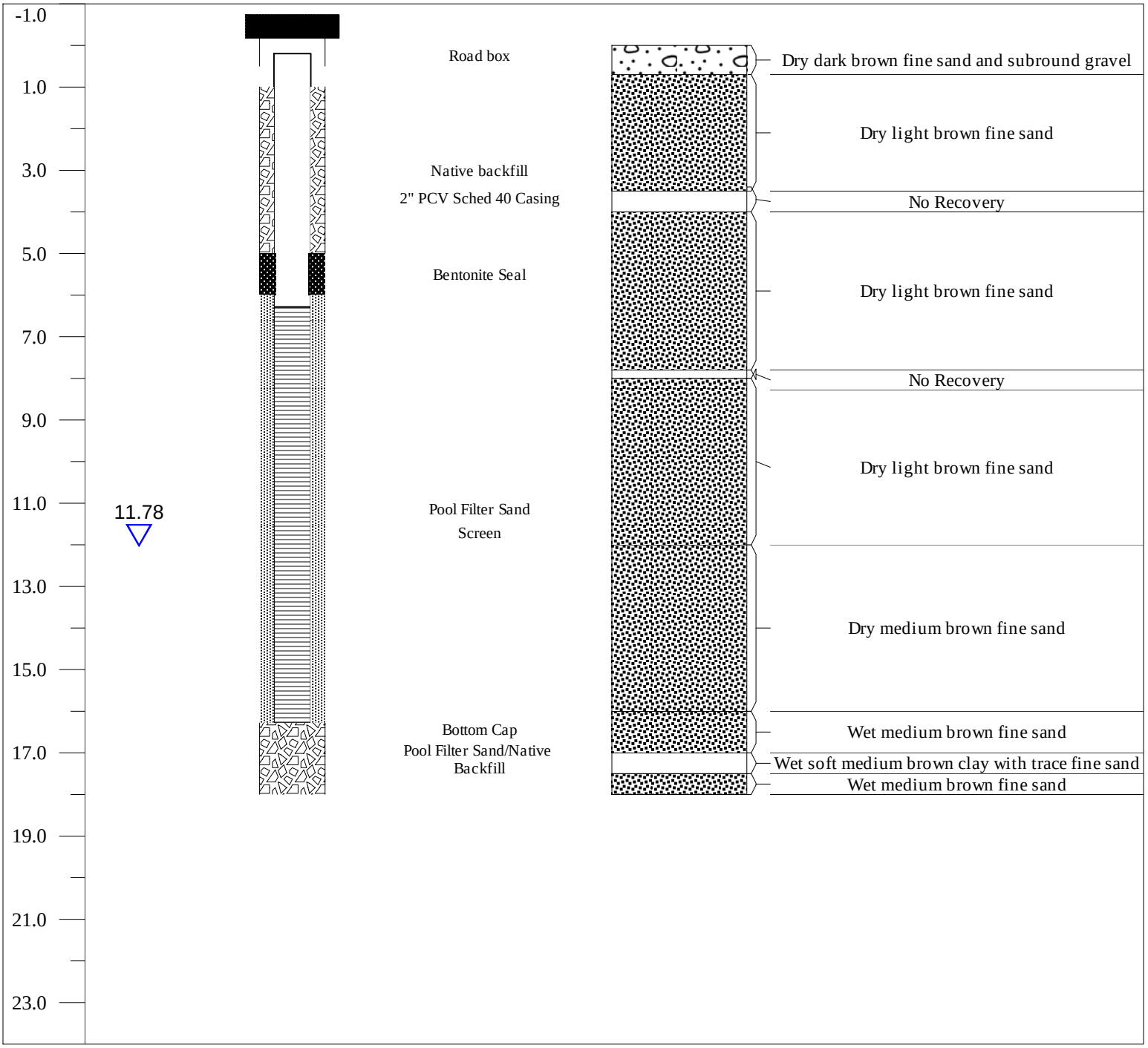
WELL CONSTRUCTION LOGS

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

MW-1

Project: Richmond Creamery
Location: Richmond, VT
Job #: 1-0346-3
Geologist: RTK/MJM
TOC Elevation: 101.64

Depth (ft. bgs)	Initial Water Level	Well Construction Diagram	Geology	Description



Drilling Date: 04/14/09

Drilling Company: Enpro

Drilling Method: Power Probe 9600

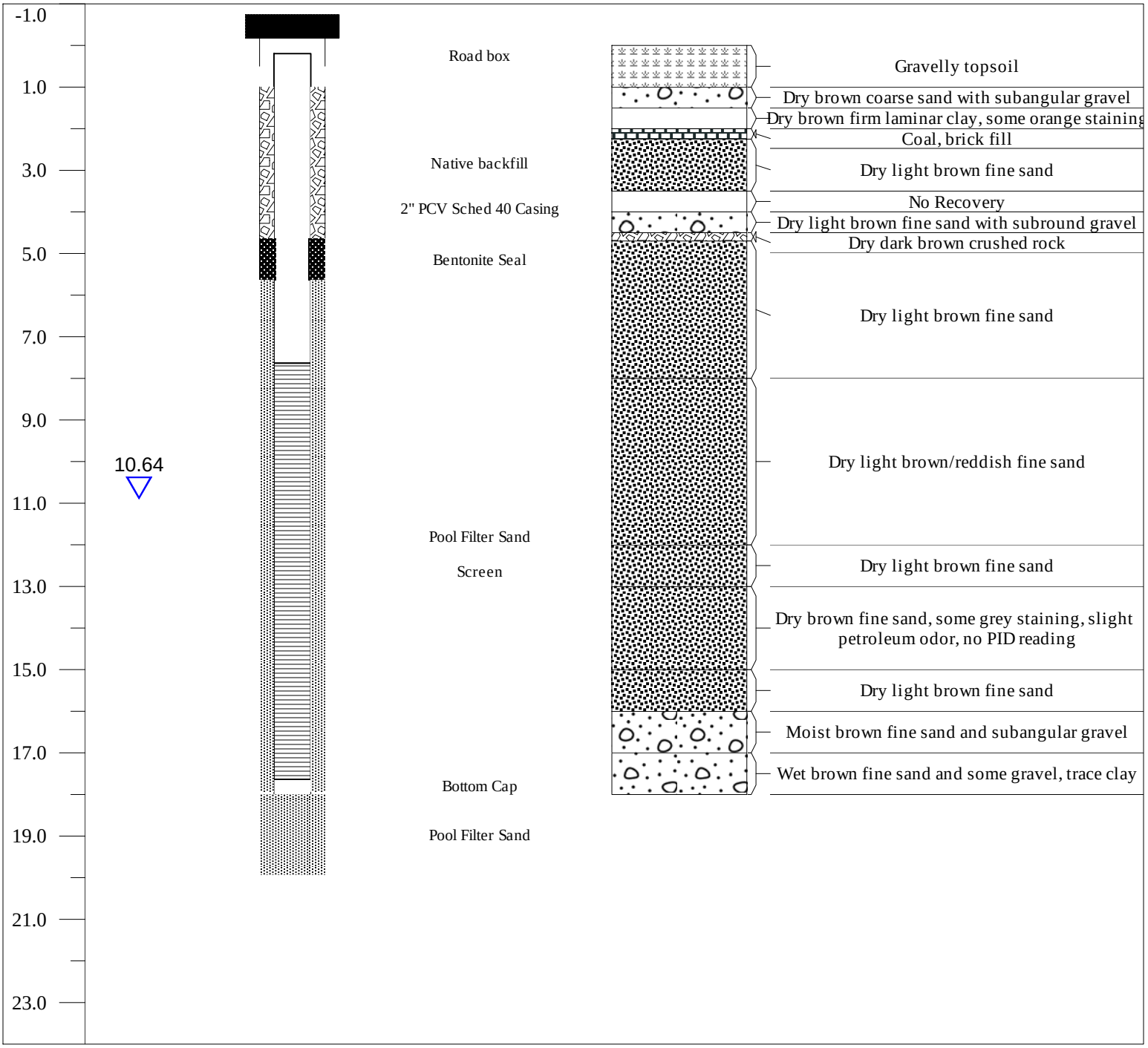
Construction Materials
Casing: Schedule 40 PVC
Screen: PVC with 0.010 slot
Filter Pack: Filter Sand
Seal: Bentonite
Surface Completion: Road Box
Riser Pipe and Screen Inner Diameter: 2"

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

MW-2

Project: Richmond Creamery
Location: Richmond, VT
Job #: 1-0346-3
Geologist: RTK
TOC Elevation: 100

Depth (ft. bgs)	Initial Water Level	Well Construction Diagram	Geology	Description



Drilling Date: 04/14/09

Drilling Company: Enpro

Drilling Method: Power Probe 9600

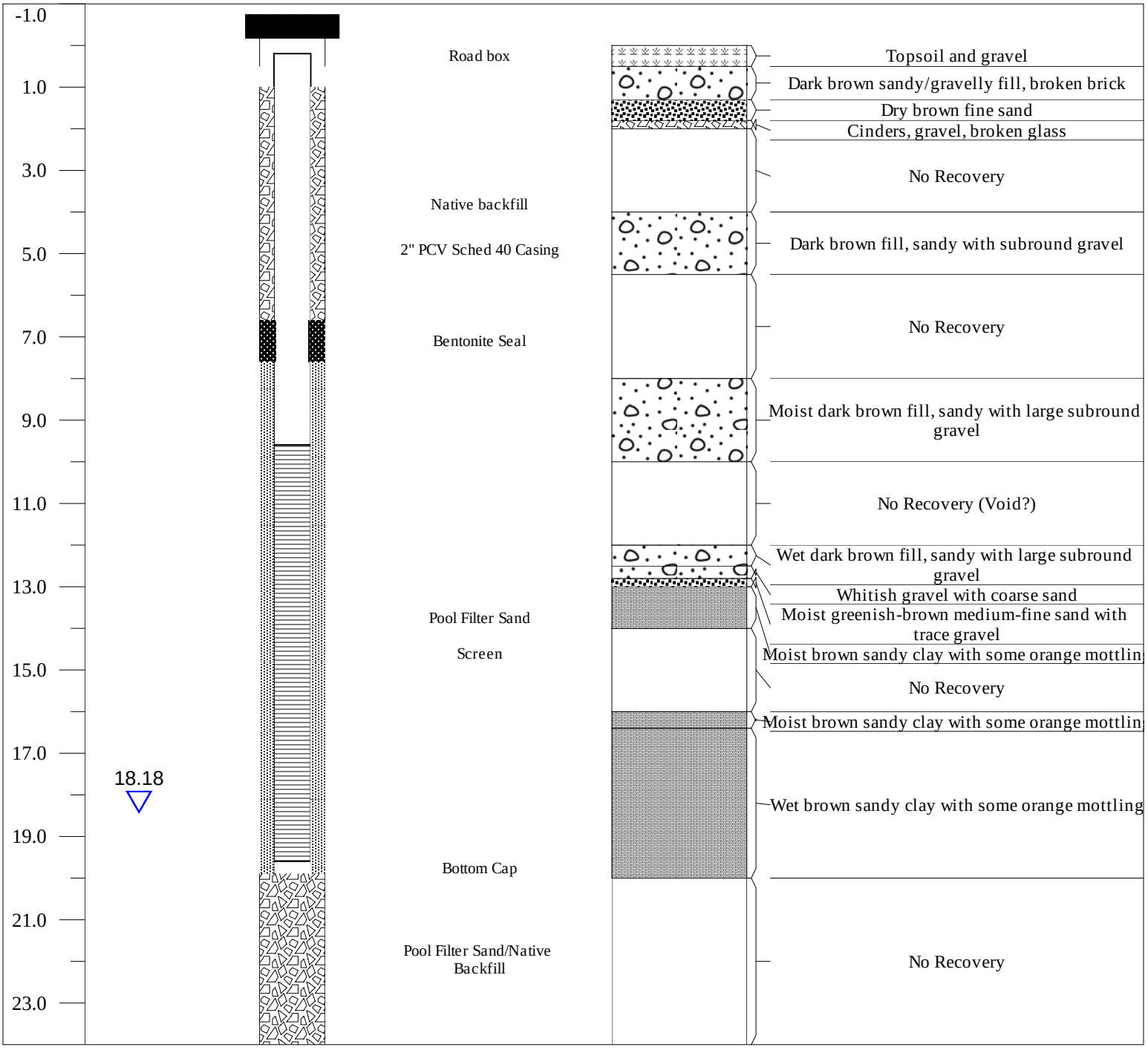
Construction Materials
Casing: Schedule 40 PVC
Screen: PVC with 0.010 slot
Filter Pack: Filter Sand
Seal: Bentonite
Surface Completion: Road Box
Riser Pipe and Screen Inner Diameter: 2"

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

MW-3

Project: Richmond Creamery
Location: Richmond, VT
Job #: 1-0346-3
Geologist: RTK/MJM
TOC Elevation: 91.26

Depth (ft. bgs)	Initial Water Level	Well Construction Diagram	Geology	Description



Drilling Date: 04/14/09

Drilling Company: Enpro

Drilling Method: Power Probe 9600

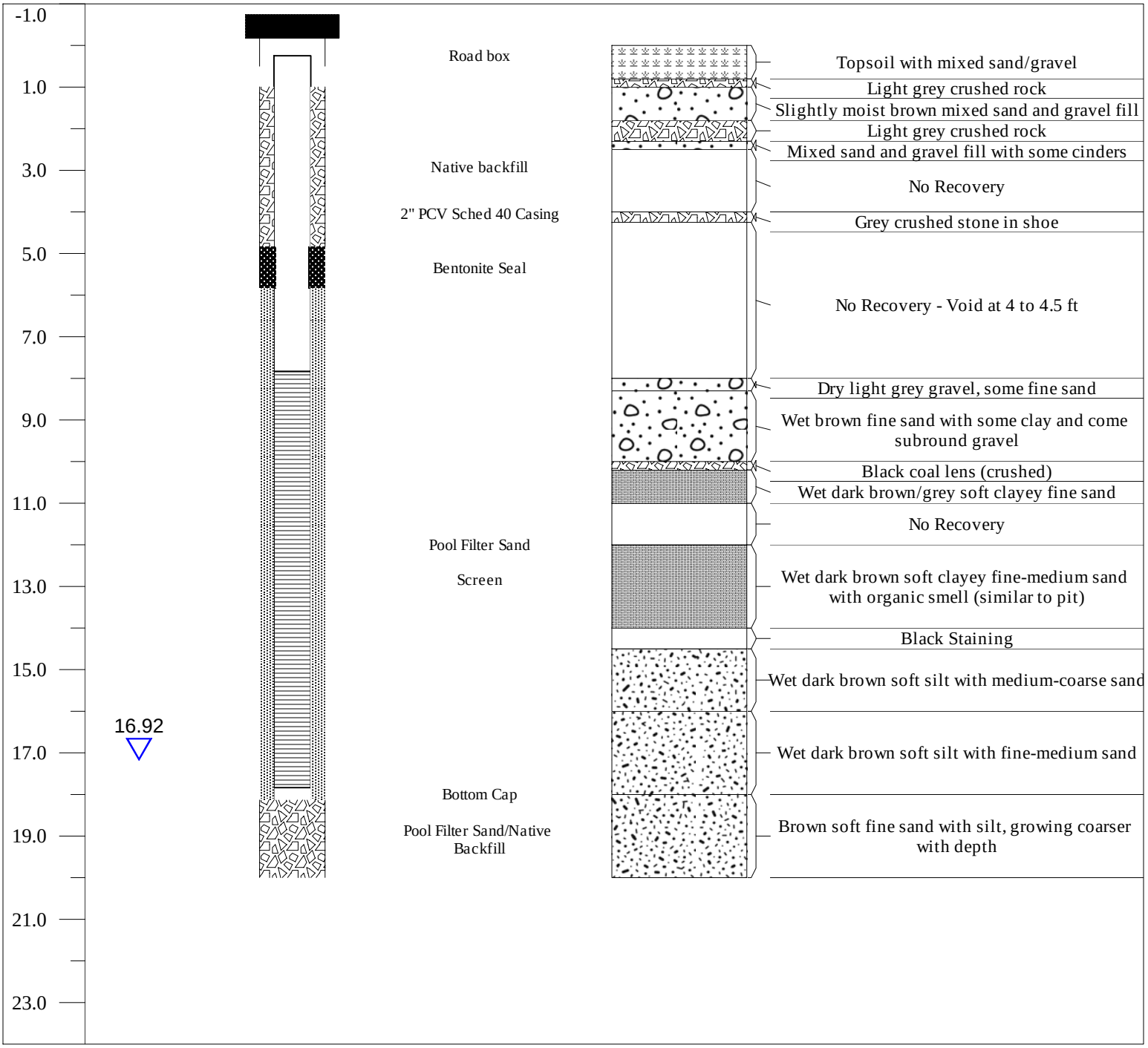
Construction Materials
Casing: Schedule 40 PVC
Screen: PVC with 0.010 slot
Filter Pack: Filter Sand
Seal: Bentonite
Surface Completion: Road Box
Riser Pipe and Screen Inner Diameter: 2"

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

MW-4

Project: Richmond Creamery
Location: Richmond, VT
Job #: 1-0346-3
Geologist: RTK/MJM
TOC Elevation: 89.23

Depth (ft. bgs)	Initial Water Level	Well Construction Diagram	Geology	Description



Drilling Date: 04/14/09

Drilling Company: Enpro

Drilling Method: Power Probe 9600

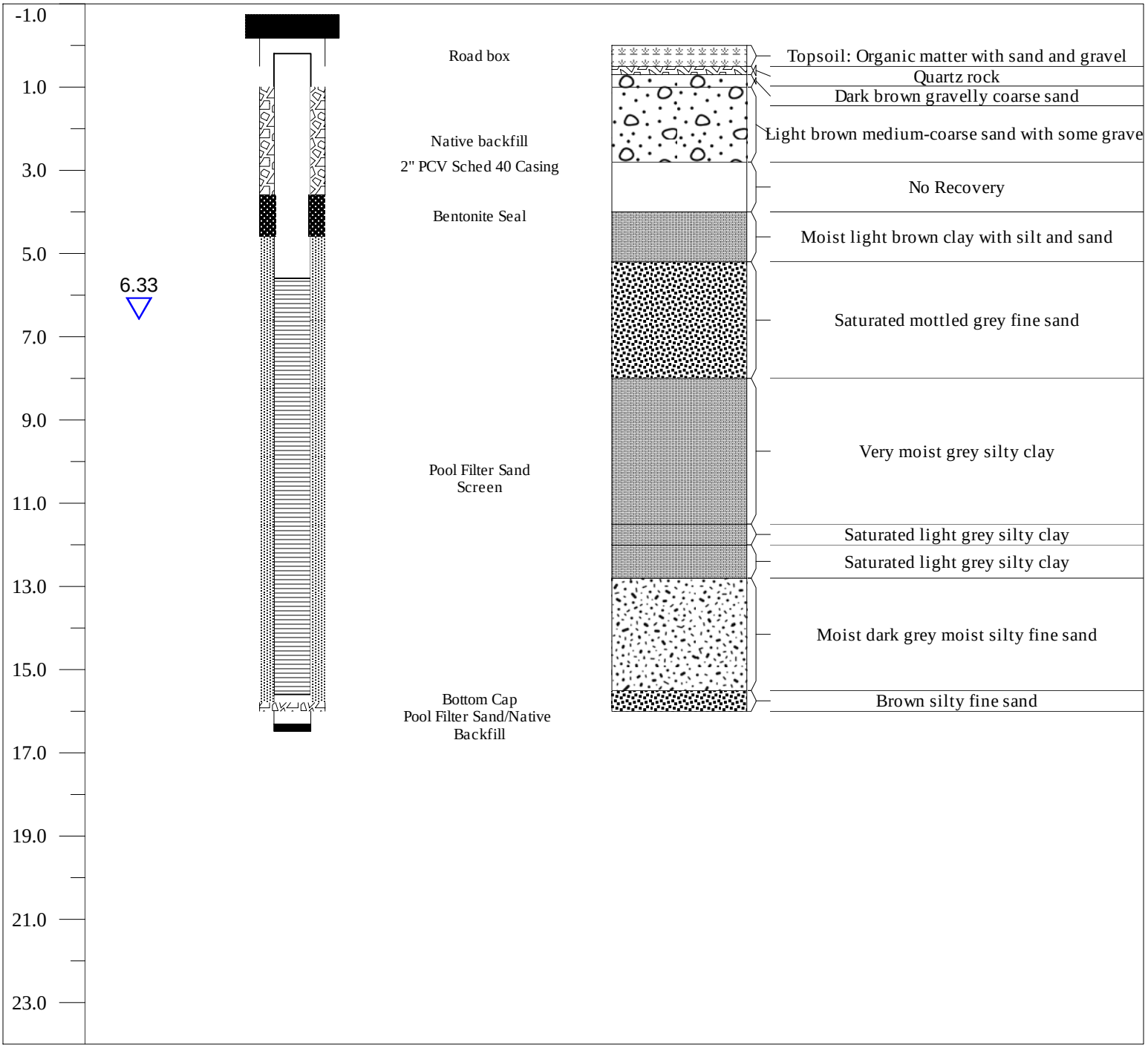
Construction Materials
Casing: Schedule 40 PVC
Screen: PVC with 0.010 slot
Filter Pack: Filter Sand
Seal: Bentonite
Surface Completion: Road Box
Riser Pipe and Screen Inner Diameter: 2"

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

MW-5

Project: Richmond Creamery
Location: Richmond, VT
Job #: 1-0346-3
Geologist: RTK/MJM
TOC Elevation: 79.53

Depth (ft. bgs)	Initial Water Level	Well Construction Diagram	Geology	Description



Drilling Date: 04/14/09

Drilling Company: Enpro

Drilling Method: Power Probe 9600

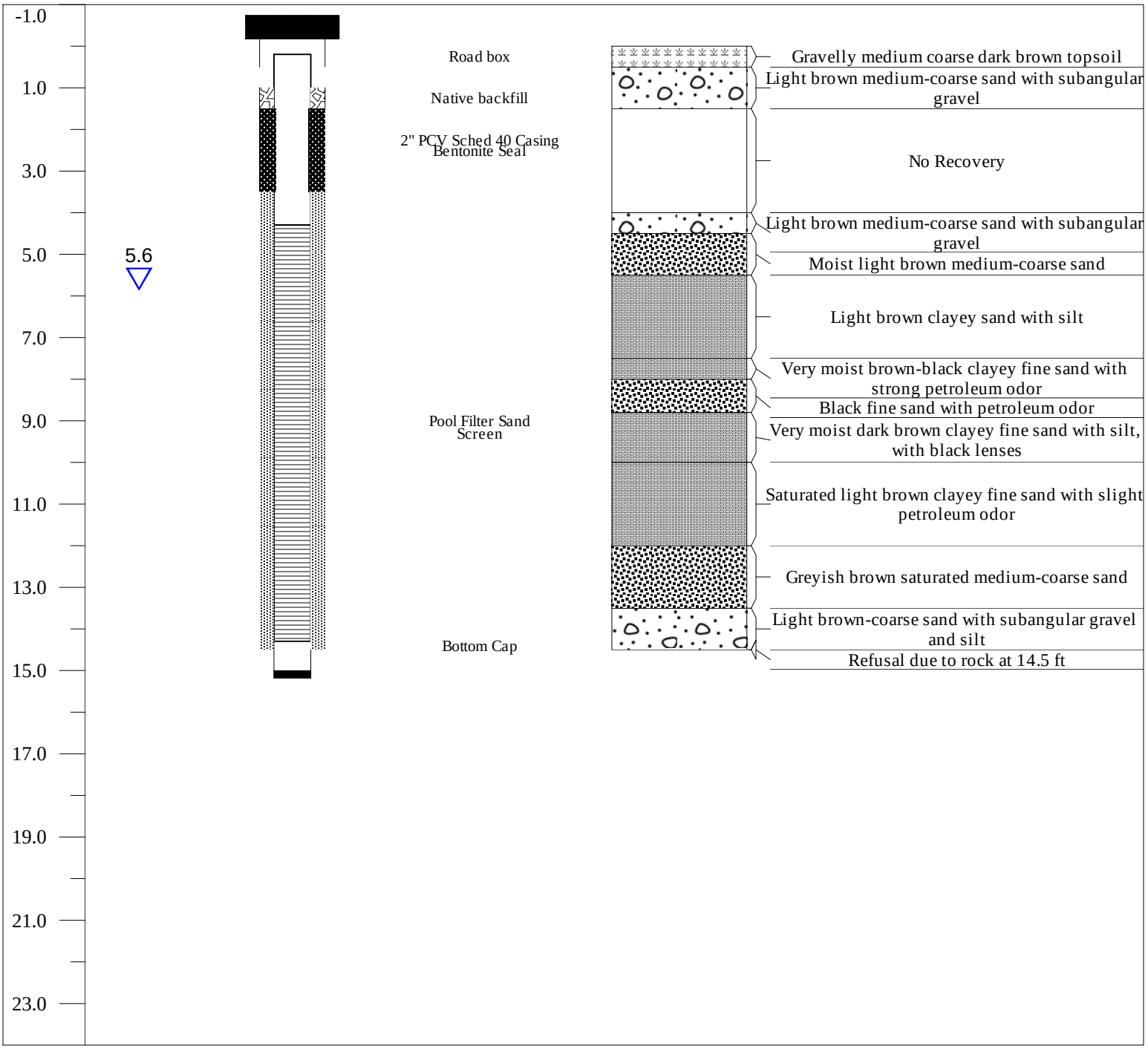
Construction Materials
Casing: Schedule 40 PVC
Screen: PVC with 0.010 slot
Filter Pack: Filter Sand
Seal: Bentonite
Surface Completion: Road Box
Riser Pipe and Screen Inner Diameter: 2"

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

MW-6

Project: Richmond Creamery
Location: Richmond, VT
Job #: 1-0346-3
Geologist: MJM
TOC Elevation: 81.93

Depth (ft. bgs)	Initial Water Level	Well Construction Diagram	Geology	Description



Drilling Date: 04/15/09

Drilling Company: Enpro

Drilling Method: Power Probe 9600

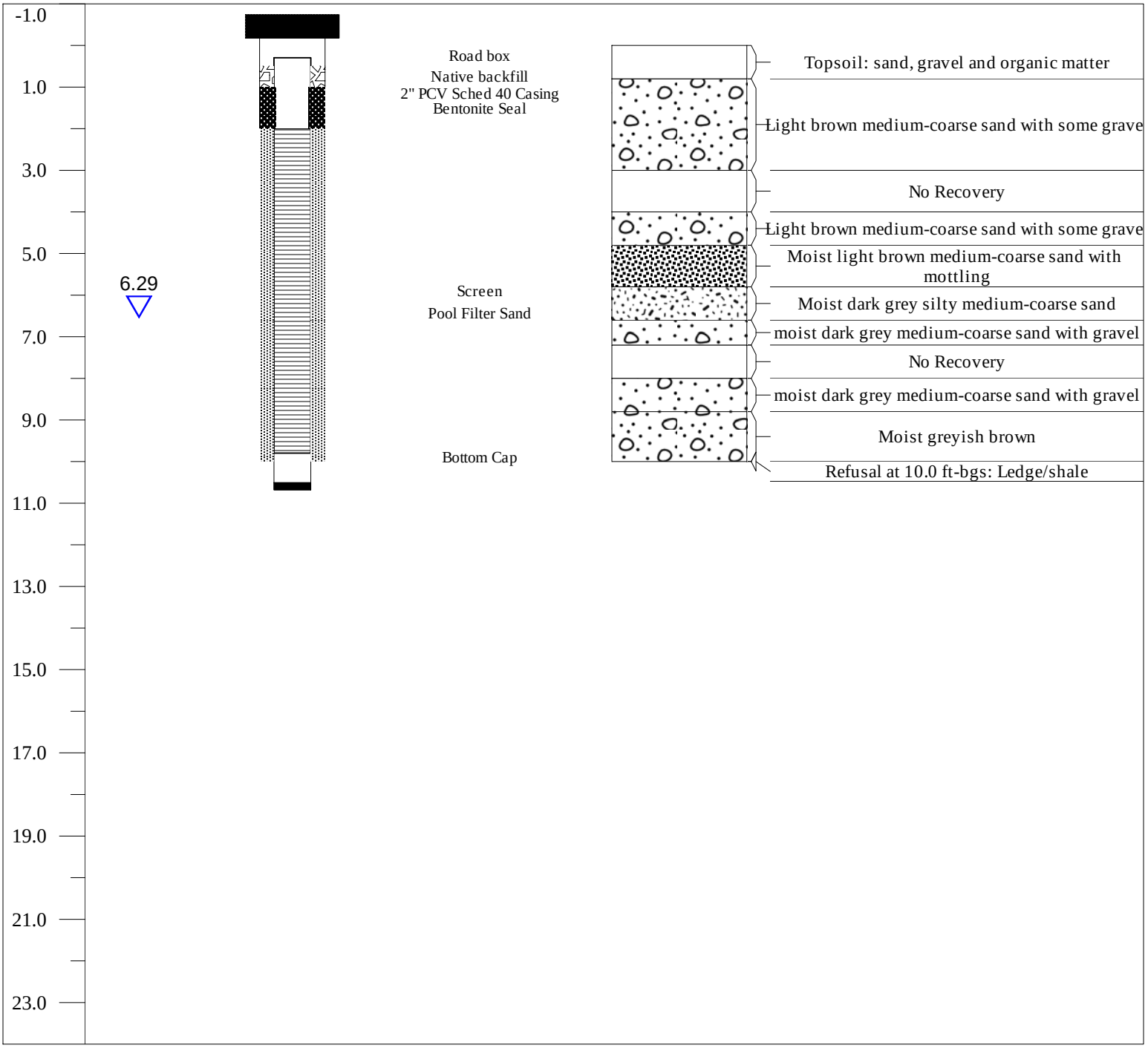
Construction Materials
Casing: Schedule 40 PVC
Screen: PVC with 0.010 slot
Filter Pack: Filter Sand
Seal: Bentonite
Surface Completion: Road Box
Riser Pipe and Screen Inner Diameter: 2"

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

MW-7

Project: Richmond Creamery
Location: Richmond, VT
Job #: 1-0346-3
Geologist: MJM
TOC Elevation: 91.15

Depth (ft. bgs)	Initial Water Level	Well Construction Diagram	Geology	Description



Drilling Date: 04/15/09

Drilling Company: Enpro

Drilling Method: Power Probe 9600

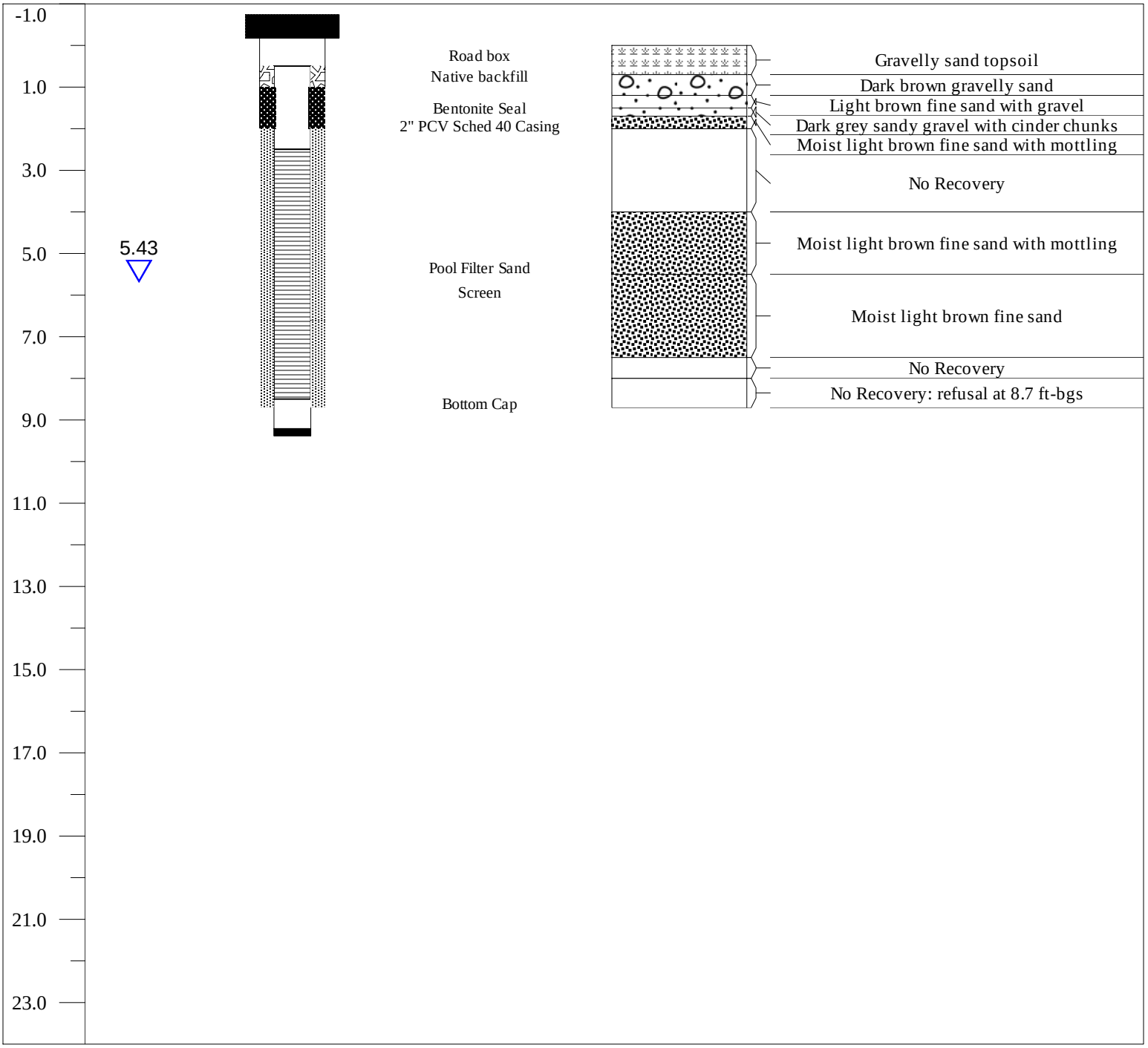
Construction Materials
Casing: Schedule 40 PVC
Screen: PVC with 0.010 slot
Filter Pack: Filter Sand
Seal: Bentonite
Surface Completion: Road Box
Riser Pipe and Screen Inner Diameter: 2"

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

MW-8

Project: Richmond Creamery
Location: Richmond, VT
Job #: 1-0346-3
Geologist: MJM
TOC Elevation: 83.54

Depth (ft. bgs)	Initial Water Level	Well Construction Diagram	Geology	Description



Drilling Date: 04/15/09

Drilling Company: Enpro

Drilling Method: Power Probe 9600

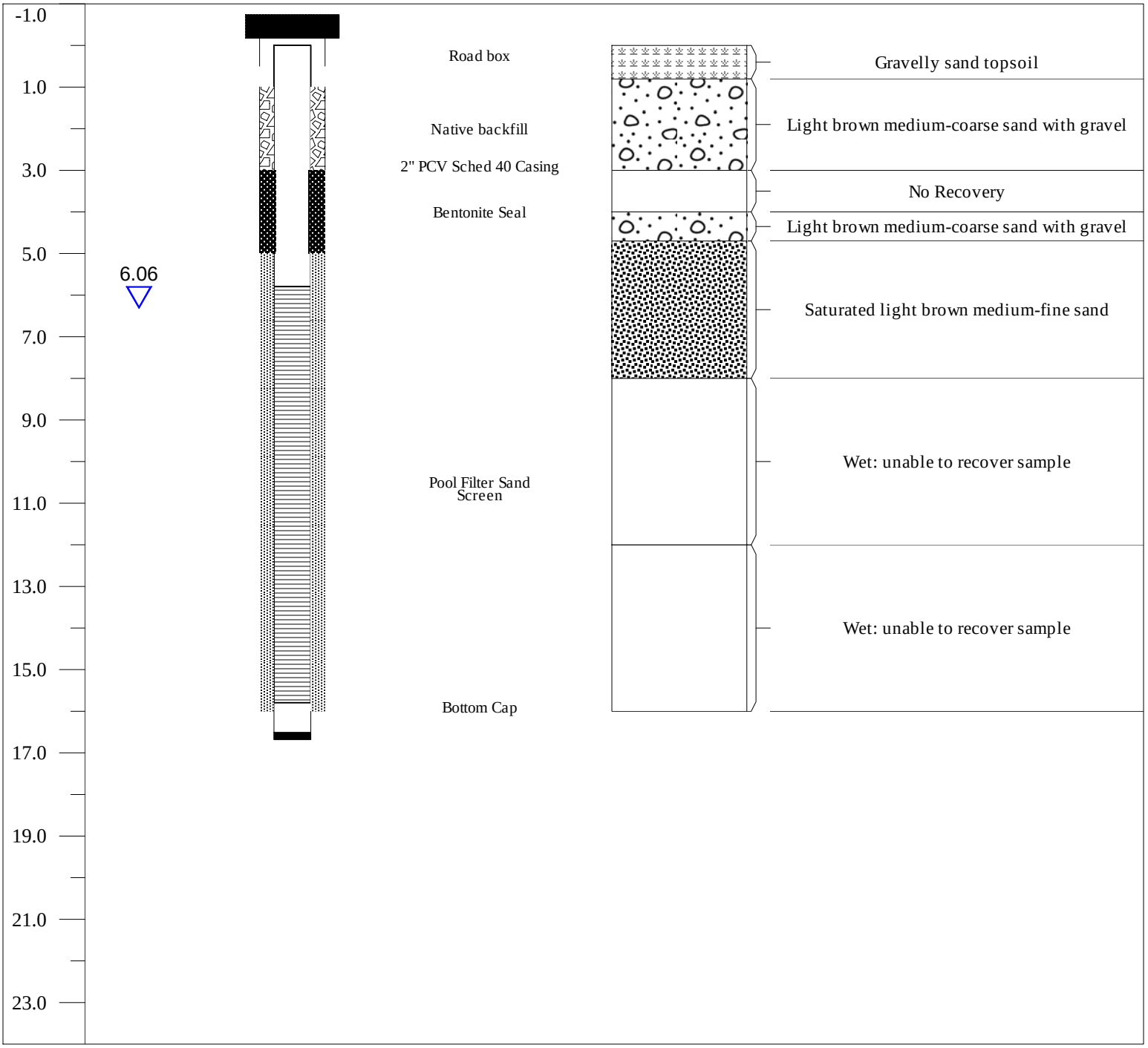
Construction Materials
Casing: Schedule 40 PVC
Screen: PVC with 0.010 slot
Filter Pack: Filter Sand
Seal: Bentonite
Surface Completion: Road Box
Riser Pipe and Screen Inner Diameter: 2"

The Johnson Company, Inc.
100 State St. Suite 600
Montpelier, VT 05602
(802) 229-4600

MW-9

Project: Richmond Creamery
Location: Richmond, VT
Job #: 1-0346-3
Geologist: MJM
TOC Elevation: 78.14

Depth (ft. bgs)	Initial Water Level	Well Construction Diagram	Geology	Description



Drilling Date: 04/15/09

Drilling Company: Enpro

Drilling Method: Power Probe 9600

Construction Materials
Casing: Schedule 40 PVC
Screen: PVC with 0.010 slot
Filter Pack: Filter Sand
Seal: Bentonite
Surface Completion: Road Box
Riser Pipe and Screen Inner Diameter: 2"

THE JOHNSON COMPANY
Environmental sciences and engineering
Montpelier, vermont 05602

Form jco-hydro
SOIL BORING #
SHEET OF

PROJECT
JOB #:

BORING LOG
STRATIGRAPHIC DESCRIPTION

~~MW-8~~ 2nd Downgradient MW to ~~MW-8~~ "SB-08"

sample interval fm–to(bgs)	blow counts	recovery out of __ (ft.)	sample description	pid (ppm)	notes
0-4		2.0	0-0.8 sandy gravel topsoil 0.8-1.2 lt brown med coarse gravel 1.2-2.0 ft brown med. coarse sand; Refusal @ 2.0'	0.0*	attempted 5 holes near location refusal between 1.5-2.5
0-2			0-0.5 topsoil / sand/gravel 0.5-1.5 strong petroleum odor lt brown & black med to fine sand 1.5-2.0 Black FS strong chlorinated odor	47.7	location upgradient along access rd / downgradient of AST (collected VOC, PAH, Metals sample

APPENDIX 6

LABORATORY ANALYTICAL DATA

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	10:54
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48399

Client ID: RICHMOND CREAMERY CSFF-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	170	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	104		%	03/30/09		MH	SW 8082
% TCMX	90		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	10:59
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48400

Client ID: RICHMOND CREAMERY CSFF-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	160	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	113		%	03/30/09		MH	SW 8082
% TCMX	94		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	11:05
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48401

Client ID: RICHMOND CREAMERY CSFF-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	160	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	108		%	03/30/09		MH	SW 8082
% TCMX	97		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
May 07, 2009

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	12:25
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48402

Client ID: RICHMOND CREAMERY CSFF-4

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	160	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	106		%	03/30/09		MH	SW 8082
% TCMX	92		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	12:29
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48403

Client ID: RICHMOND CREAMERY CSFF-5

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	170	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	103		%	03/30/09		MH	SW 8082
% TCMX	93		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	12:33
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48404

Client ID: RICHMOND CREAMERY CSFF-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	160	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	107		%	03/30/09		MH	SW 8082
% TCMX	90		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	13:13
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48405

Client ID: RICHMOND CREAMERY CSFF-7

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/27/09		BB/D	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	160	ug/Kg	03/31/09		MH	SW 8082
PCB-1221	ND	160	ug/Kg	03/31/09		MH	SW 8082
PCB-1232	ND	160	ug/Kg	03/31/09		MH	SW 8082
PCB-1242	ND	160	ug/Kg	03/31/09		MH	SW 8082
PCB-1248	ND	160	ug/Kg	03/31/09		MH	SW 8082
PCB-1254	ND	160	ug/Kg	03/31/09		MH	SW 8082
PCB-1260	ND	160	ug/Kg	03/31/09		MH	SW 8082
PCB-1262	ND	160	ug/Kg	03/31/09		MH	SW 8082
PCB-1268	ND	160	ug/Kg	03/31/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	119		%	03/31/09		MH	SW 8082
% TCMX	100		%	03/31/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	13:07
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48406

Client ID: RICHMOND CREAMERY CSFF-8

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	170	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	110		%	03/30/09		MH	SW 8082
% TCMX	99		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	13:02
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48407

Client ID: RICHMOND CREAMERY CSFF-9

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	170	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	170	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	106		%	03/30/09		MH	SW 8082
% TCMX	92		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	12:42
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48408

Client ID: RICHMOND CREAMERY CSFF-10

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	160	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	107		%	03/30/09		MH	SW 8082
% TCMX	102		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	15:38
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48409

Client ID: RICHMOND CREAMERY CSS-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	160	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	121		%	03/30/09		MH	SW 8082
% TCMX	83		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	15:35
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48410

Client ID: RICHMOND CREAMERY CSS-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	160	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	122		%	03/30/09		MH	SW 8082
% TCMX	88		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
May 07, 2009

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/23/09	12:00
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48411

Client ID: RICHMOND CREAMERY PCB-DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/27/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	160	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	160	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	110		%	03/30/09		MH	SW 8082
% TCMX	97		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
May 07, 2009

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	10:25
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48412

Client ID: RICHMOND CREAMERY SUB-SLAB-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	75		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	220	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	220	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	220	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	220	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	220	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	220	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	220	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	220	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	220	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	103		%	03/30/09		MH	SW 8082
% TCMX	92		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	9:00
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48413

Client ID: RICHMOND CREAMERY SS-SS-PCB-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	180	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	180	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	180	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	180	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	180	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	180	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	180	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	180	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	180	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	108		%	03/30/09		MH	SW 8082
% TCMX	94		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 07, 2009

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	9:05
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48414

Client ID: RICHMOND CREAMERY SS-SS-PCB-02

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	48		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	340	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	340	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	340	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	340	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	340	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	340	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	340	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	340	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	340	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	99		%	03/30/09		MH	SW 8082
% TCMX	96		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	9:10
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48415

Client ID: RICHMOND CREAMERY SS-SS-PCB-03

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	86		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	190	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	>130		%	03/30/09		MH	SW 8082
% TCMX	98		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 07, 2009

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Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	9:20
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48416

Client ID: RICHMOND CREAMERY SS-AST-PCB-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	85		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	200	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	122		%	03/30/09		MH	SW 8082
% TCMX	96		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 07, 2009

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	8:30
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48417

Client ID: RICHMOND CREAMERY SS-FB-PCB-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	86		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	190	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	190	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	110		%	03/30/09		MH	SW 8082
% TCMX	93		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
May 07, 2009

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Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	8:40
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48418

Client ID: RICHMOND CREAMERY SS-FB-PCB-02

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	79		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	210	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	210	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	210	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	210	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	210	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	210	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	210	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	210	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	210	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	107		%	03/30/09		MH	SW 8082
% TCMX	93		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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May 07, 2009

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Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	8:45
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48419

Client ID: RICHMOND CREAMERY SS-FB-PCB-03

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	83		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	200	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	106		%	03/30/09		MH	SW 8082
% TCMX	95		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	8:50
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48420

Client ID: RICHMOND CREAMERY SS-FB-PCB-04

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	83		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	200	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	200	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	100		%	03/30/09		MH	SW 8082
% TCMX	94		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
May 07, 2009

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	7:55
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48421

Client ID: RICHMOND CREAMERY SS-TR-PCB-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	72		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	230	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	94		%	03/30/09		MH	SW 8082
% TCMX	94		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
May 07, 2009

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	8:00
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48422

Client ID: RICHMOND CREAMERY SS-TR-PCB-02

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	71		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	230	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	230	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	100		%	03/30/09		MH	SW 8082
% TCMX	90		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
May 07, 2009

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	8:10
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48423

Client ID: RICHMOND CREAMERY SS-TR-PCB-03

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	68		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	240	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	240	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	240	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	240	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	240	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	240	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	240	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	240	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	240	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	103		%	03/30/09		MH	SW 8082
% TCMX	102		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
May 07, 2009

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Draft Progress Report

May 07, 2009

FOR: Attn: Mr. Mike Marotto
The Johnson Company
100 State Street #600
Montpelier, VT 05602

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MM	03/24/09	11:45
Location Code:	JOHNSON	Received by:	LDF	03/26/09	10:40
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1-0346-3				

Laboratory Data

SDG I.D.: GAR48399
Phoenix I.D.: AR48424

Client ID: RICHMOND CREAMERY SS-WR-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	64		%	03/26/09		M-JL	E160.3
Extraction for PCB	Completed			03/26/09		BB/K	SW3540C
Polychlorinated Biphenyls							
PCB-1016	ND	260	ug/Kg	03/30/09		MH	SW 8082
PCB-1221	ND	260	ug/Kg	03/30/09		MH	SW 8082
PCB-1232	ND	260	ug/Kg	03/30/09		MH	SW 8082
PCB-1242	ND	260	ug/Kg	03/30/09		MH	SW 8082
PCB-1248	ND	260	ug/Kg	03/30/09		MH	SW 8082
PCB-1254	ND	260	ug/Kg	03/30/09		MH	SW 8082
PCB-1260	ND	260	ug/Kg	03/30/09		MH	SW 8082
PCB-1262	ND	260	ug/Kg	03/30/09		MH	SW 8082
PCB-1268	ND	260	ug/Kg	03/30/09		MH	SW 8082
QA/QC Surrogates							
% DCBP	96		%	03/30/09		MH	SW 8082
% TCMX	92		%	03/30/09		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
May 07, 2009

eastern analytical

professional laboratory services

Michael Marotto
The Johnson Company
100 State Street
Montpelier , VT 05602

Subject: Laboratory Report

Eastern Analytical, Inc. ID:	77486
Client Identification:	Richmond Creamery | 1-0346-3
Date Received:	3/25/2009

Dear Mr. Marotto :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. (EAI) certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

This report package contains the following information: Sample Conditions summary, Analytical Results/Data and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

Analytical Deviation & QA/QC Documentation:
Quality Control Samples associated with this project are included in this report. At a minimum, a Method Blank and Laboratory Control Sample (LCS) are reported. Matrix Spikes and Duplicates are reported where applicable. Deviations are narrated on the QC pages.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw

Lorraine Olashaw, Lab Director	4.17.09	12
	Date	# of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Temperature upon receipt (°C): 6 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
77486.01	SS-NR-01 0-0.5'	3/25/09	3/23/09	soil	73.1	Adheres to Sample Acceptance Policy
77486.02	SS-NR-01 1.5-2.0'	3/25/09	3/23/09	soil	75.6	Adheres to Sample Acceptance Policy
77486.03	SS-NR-02 0-0.5'	3/25/09	3/23/09	soil	80.6	Adheres to Sample Acceptance Policy
77486.04	SS-NR-02 1.5-2.0'	3/25/09	3/23/09	soil	93.0	Adheres to Sample Acceptance Policy
77486.05	SS-RR-01 0-0.5'	3/25/09	3/23/09	soil	31.5	Adheres to Sample Acceptance Policy
77486.06	SS-RR-01 1.5-2.0'	3/25/09	3/23/09	soil	68.4	Adheres to Sample Acceptance Policy
77486.07	SS-RR-02 0-0.5'	3/25/09	3/23/09	soil	78.2	Adheres to Sample Acceptance Policy
77486.08	SS-RR-02 1.5-2.0'	3/25/09	3/23/09	soil	91.2	Adheres to Sample Acceptance Policy
77486.09	SS-RR-03 0-0.5'	3/25/09	3/23/09	soil	71.8	Adheres to Sample Acceptance Policy
77486.1	SS-RR-03 1.5-2.0'	3/25/09	3/23/09	soil	75.3	Adheres to Sample Acceptance Policy
77486.11	SS-RR-04 0-0.5'	3/25/09	3/23/09	soil	85.0	Adheres to Sample Acceptance Policy
77486.12	SS-RR-04 1.5-2.0'	3/25/09	3/23/09	soil	86.1	Adheres to Sample Acceptance Policy
77486.13	SS-RR-05 0-0.5'	3/25/09	3/23/09	soil	83.2	Adheres to Sample Acceptance Policy
77486.14	SS-RR-05 1.5-2.0'	3/25/09	3/23/09	soil	85.2	Adheres to Sample Acceptance Policy
77486.15	SS-RR-06 0-0.5'	3/25/09	3/23/09	soil	79.5	Adheres to Sample Acceptance Policy
77486.16	SS-RR-07 0-0.5'	3/25/09	3/23/09	soil	94.0	Adheres to Sample Acceptance Policy
77486.17	SS-RR-07 0.5-1.0'	3/25/09	3/23/09	soil	92.5	Adheres to Sample Acceptance Policy
77486.18	SS-RR-08 0-0.5'	3/25/09	3/23/09	soil	90.3	Adheres to Sample Acceptance Policy
77486.19	SS-RR-08 1.5-2.0'	3/25/09	3/23/09	soil	63.7	Adheres to Sample Acceptance Policy
77486.2	SS-RR-09 0-0.5'	3/25/09	3/23/09	soil	88.9	Adheres to Sample Acceptance Policy
77486.21	SS-RR-10 0-0.5'	3/25/09	3/23/09	soil	91.7	Adheres to Sample Acceptance Policy
77486.22	SS-RR-10 1.5-2.0'	3/25/09	3/23/09	soil	89.0	Adheres to Sample Acceptance Policy
77486.23	SS-RR-DUP 0-0.5'	3/25/09	3/23/09	soil	80.8	Adheres to Sample Acceptance Policy
77486.24	SS-RR-DUP 1.5-2.0'	3/25/09	3/23/09	soil	87.0	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Temperature upon receipt (°C): 6 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
77486.25	SS-PS-01	3/25/09	3/23/09	soil	93.3	Adheres to Sample Acceptance Policy
77486.26	SS-PS-02	3/25/09	3/23/09	soil	63.8	Adheres to Sample Acceptance Policy
77486.27	Sub Slab 2	3/25/09	3/24/09	soil	90.8	Adheres to Sample Acceptance Policy
77486.28	SS-CB-01	3/25/09	3/23/09	soil	66.6	Adheres to Sample Acceptance Policy
77486.29	SS-WR-01	3/25/09	3/24/09	soil	64.7	Adheres to Sample Acceptance Policy
77486.3	SS-FB-05	3/25/09	3/23/09	soil	82.4	Adheres to Sample Acceptance Policy
77486.31	SS-SS-03	3/25/09	3/24/09	soil	81.2	Adheres to Sample Acceptance Policy
77486.32	SS-FB-ACM-01	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.33	SS-FB-ACM-02	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.34	SS-FB-ACM-03	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.35	SS-FB-ACM-04	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.36	SS-FB-ACM-05	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.37	SS-FB-ACM-06	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.38	SS-FB-ACM-07	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.39	SS-FB-ACM-08	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.4	SS-CB-01	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.41	SS-CB-02	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.42	SS-RR-05 0-0.5'	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.43	SS-RR-01 0-0.5'	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.44	SS-RR-09 0-0.5'	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.45	SS-RR-08 0-0.5'	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy
77486.46	SS-RR-04 0-0.5'	3/25/09	3/23/09	soil		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	Sub Slab 2	SS-WR-01
Lab Sample ID:	77486.27	77486.29
Matrix:	soil	soil
Date Sampled:	3/24/09	3/24/09
Date Received:	3/25/09	3/25/09
Units:	mg/kg	mg/kg
Date of Analysis:	3/27/09	3/27/09
Analyst:	BAM	BAM
Method:	8260B	8260B
Dilution Factor:	1	2
Dichlorodifluoromethane	< 0.1	< 0.2
Chloromethane	< 0.1	< 0.2
Vinyl chloride	< 0.1	< 0.2
Bromomethane	< 0.1	< 0.2
Chloroethane	< 0.1	< 0.2
Trichlorofluoromethane	< 0.1	< 0.2
Diethyl Ether	< 0.05	< 0.1
Acetone	< 2	< 4
1,1-Dichloroethene	< 0.05	< 0.1
Methylene chloride	< 0.1	< 0.2
Carbon disulfide	< 0.1	< 0.2
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.2
trans-1,2-Dichloroethene	< 0.05	< 0.1
1,1-Dichloroethane	< 0.05	< 0.1
2,2-Dichloropropane	< 0.05	< 0.1
cis-1,2-Dichloroethene	< 0.05	< 0.1
2-Butanone(MEK)	< 0.5	< 1
Bromochloromethane	< 0.05	< 0.1
Tetrahydrofuran(THF)	< 0.5	< 1
Chloroform	< 0.05	< 0.1
1,1,1-Trichloroethane	< 0.05	< 0.1
Carbon tetrachloride	< 0.05	< 0.1
1,1-Dichloropropene	< 0.05	< 0.1
Benzene	< 0.05	< 0.1
1,2-Dichloroethane	< 0.05	< 0.1
Trichloroethene	< 0.05	< 0.1
1,2-Dichloropropane	< 0.05	< 0.1
Dibromomethane	< 0.05	< 0.1
Bromodichloromethane	< 0.05	< 0.1
4-Methyl-2-pentanone(MIBK)	< 0.5	< 1
cis-1,3-Dichloropropene	< 0.05	< 0.1
Toluene	< 0.05	**0.1**
trans-1,3-Dichloropropene	< 0.05	< 0.1
1,1,2-Trichloroethane	< 0.05	< 0.1
2-Hexanone	< 0.1	< 0.2
Tetrachloroethene	< 0.05	< 0.1
1,3-Dichloropropane	< 0.05	< 0.1
Dibromochloromethane	< 0.05	< 0.1
1,2-Dibromoethane(EDB)	< 0.05	< 0.1
Chlorobenzene	< 0.05	< 0.1
1,1,1,2-Tetrachloroethane	< 0.05	< 0.1
Ethylbenzene	< 0.05	< 0.1
mp-Xylene	< 0.05	< 0.1
o-Xylene	< 0.05	< 0.1
Styrene	< 0.05	< 0.1
Bromoform	< 0.05	< 0.1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	Sub Slab 2	SS-WR-01
Lab Sample ID:	77486.27	77486.29
Matrix:	soil	soil
Date Sampled:	3/24/09	3/24/09
Date Received:	3/25/09	3/25/09
Units:	mg/kg	mg/kg
Date of Analysis:	3/27/09	3/27/09
Analyst:	BAM	BAM
Method:	8260B	8260B
Dilution Factor:	1	2
IsoPropylbenzene	< 0.05	< 0.1
Bromobenzene	< 0.05	< 0.1
1,1,2,2-Tetrachloroethane	< 0.05	< 0.1
1,2,3-Trichloropropane	< 0.05	< 0.1
n-Propylbenzene	< 0.05	< 0.1
2-Chlorotoluene	< 0.05	< 0.1
4-Chlorotoluene	< 0.05	< 0.1
1,3,5-Trimethylbenzene	< 0.05	< 0.1
tert-Butylbenzene	< 0.05	< 0.1
1,2,4-Trimethylbenzene	< 0.05	< 0.1
sec-Butylbenzene	< 0.05	< 0.1
1,3-Dichlorobenzene	< 0.05	< 0.1
p-Isopropyltoluene	< 0.05	< 0.1
1,4-Dichlorobenzene	< 0.05	< 0.1
1,2-Dichlorobenzene	< 0.05	< 0.1
n-Butylbenzene	< 0.05	< 0.1
1,2-Dibromo-3-chloropropane	< 0.05	< 0.1
1,2,4-Trichlorobenzene	< 0.05	< 0.1
Hexachlorobutadiene	< 0.05	< 0.1
Naphthalene	< 0.1	< 0.2
1,2,3-Trichlorobenzene	< 0.05	< 0.1
4-Bromofluorobenzene (surr)	**98 %R**	**98 %R**
1,2-Dichlorobenzene-d4 (surr)	**101 %R**	**101 %R**
Toluene-d8 (surr)	**93 %R**	**96 %R**

SS-WR-01: Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.

Eastern Analytical, Inc. ID#: 77486 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
Dichlorodifluoromethane	< 0.1			mg/kg	3/27/09	8260B
Chloromethane	< 0.1			mg/kg	3/27/09	8260B
Vinyl chloride	< 0.1			mg/kg	3/27/09	8260B
Bromomethane	< 0.1			mg/kg	3/27/09	8260B
Chloroethane	< 0.1			mg/kg	3/27/09	8260B
Trichlorofluoromethane	< 0.1			mg/kg	3/27/09	8260B
Diethyl Ether	< 0.05			mg/kg	3/27/09	8260B
Acetone	< 2			mg/kg	3/27/09	8260B
1,1-Dichloroethene	< 0.05	1.1 (113 %R)	1.1 (106 %R) (6 RPD)	mg/kg	3/27/09	8260B
tert-Butyl Alcohol (TBA)	< 2			mg/kg	3/27/09	8260B
Methylene chloride	< 0.1			mg/kg	3/27/09	8260B
Carbon disulfide	< 0.1			mg/kg	3/27/09	8260B
Methyl-t-butyl ether(MTBE)	< 0.1			mg/kg	3/27/09	8260B
Ethyl-t-butyl ether(ETBE)	< 0.1			mg/kg	3/27/09	8260B
Isopropyl ether(DIPE)	< 0.1			mg/kg	3/27/09	8260B
tert-amyl methyl ether(TAME)	< 0.1			mg/kg	3/27/09	8260B
trans-1,2-Dichloroethene	< 0.05			mg/kg	3/27/09	8260B
1,1-Dichloroethane	< 0.05			mg/kg	3/27/09	8260B
2,2-Dichloropropane	< 0.05			mg/kg	3/27/09	8260B
cis-1,2-Dichloroethene	< 0.05			mg/kg	3/27/09	8260B
2-Butanone(MEK)	< 0.5			mg/kg	3/27/09	8260B
Bromochloromethane	< 0.05			mg/kg	3/27/09	8260B
Tetrahydrofuran(THF)	< 0.5			mg/kg	3/27/09	8260B
Chloroform	< 0.05			mg/kg	3/27/09	8260B
1,1,1-Trichloroethane	< 0.05			mg/kg	3/27/09	8260B
Carbon tetrachloride	< 0.05			mg/kg	3/27/09	8260B
1,1-Dichloropropene	< 0.05			mg/kg	3/27/09	8260B
Benzene	< 0.05	1.1 (112 %R)	1.0 (103 %R) (8 RPD)	mg/kg	3/27/09	8260B
1,2-Dichloroethane	< 0.05			mg/kg	3/27/09	8260B
Trichloroethene	< 0.05	1.1 (114 %R)	1.1 (106 %R) (7 RPD)	mg/kg	3/27/09	8260B
1,2-Dichloropropane	< 0.05			mg/kg	3/27/09	8260B
Dibromomethane	< 0.05			mg/kg	3/27/09	8260B
Bromodichloromethane	< 0.05			mg/kg	3/27/09	8260B
4-Methyl-2-pentanone(MIBK)	< 0.5			mg/kg	3/27/09	8260B
cis-1,3-Dichloropropene	< 0.05			mg/kg	3/27/09	8260B
Toluene	< 0.05	1.2 (116 %R)	1.0 (105 %R) (10 RPD)	mg/kg	3/27/09	8260B
trans-1,3-Dichloropropene	< 0.05			mg/kg	3/27/09	8260B
1,1,2-Trichloroethane	< 0.05			mg/kg	3/27/09	8260B
2-Hexanone	< 0.1			mg/kg	3/27/09	8260B
Tetrachloroethene	< 0.05			mg/kg	3/27/09	8260B
1,3-Dichloropropane	< 0.05			mg/kg	3/27/09	8260B
Dibromochloromethane	< 0.05			mg/kg	3/27/09	8260B
1,2-Dibromoethane(EDB)	< 0.05			mg/kg	3/27/09	8260B
Chlorobenzene	< 0.05	1.2 (121 %R)	1.1 (110 %R) (10 RPD)	mg/kg	3/27/09	8260B

Eastern Analytical, Inc. ID#: 77486 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
1,1,1,2-Tetrachloroethane	< 0.05			mg/kg	3/27/09	8260B
Ethylbenzene	< 0.05			mg/kg	3/27/09	8260B
mp-Xylene	< 0.05			mg/kg	3/27/09	8260B
o-Xylene	< 0.05			mg/kg	3/27/09	8260B
Styrene	< 0.05			mg/kg	3/27/09	8260B
Bromoform	< 0.05			mg/kg	3/27/09	8260B
IsoPropylbenzene	< 0.05			mg/kg	3/27/09	8260B
Bromobenzene	< 0.05			mg/kg	3/27/09	8260B
1,1,2,2-Tetrachloroethane	< 0.05			mg/kg	3/27/09	8260B
1,2,3-Trichloropropane	< 0.05			mg/kg	3/27/09	8260B
n-Propylbenzene	< 0.05			mg/kg	3/27/09	8260B
2-Chlorotoluene	< 0.05			mg/kg	3/27/09	8260B
4-Chlorotoluene	< 0.05			mg/kg	3/27/09	8260B
1,3,5-Trimethylbenzene	< 0.05			mg/kg	3/27/09	8260B
tert-Butylbenzene	< 0.05			mg/kg	3/27/09	8260B
1,2,4-Trimethylbenzene	< 0.05			mg/kg	3/27/09	8260B
sec-Butylbenzene	< 0.05			mg/kg	3/27/09	8260B
1,3-Dichlorobenzene	< 0.05			mg/kg	3/27/09	8260B
p-Isopropyltoluene	< 0.05			mg/kg	3/27/09	8260B
1,4-Dichlorobenzene	< 0.05			mg/kg	3/27/09	8260B
1,2-Dichlorobenzene	< 0.05			mg/kg	3/27/09	8260B
n-Butylbenzene	< 0.05			mg/kg	3/27/09	8260B
1,2-Dibromo-3-chloropropane	< 0.05			mg/kg	3/27/09	8260B
1,3,5-Trichlorobenzene	< 0.05			mg/kg	3/27/09	8260B
1,2,4-Trichlorobenzene	< 0.05			mg/kg	3/27/09	8260B
Hexachlorobutadiene	< 0.05			mg/kg	3/27/09	8260B
Naphthalene	< 0.1			mg/kg	3/27/09	8260B
1,2,3-Trichlorobenzene	< 0.05			mg/kg	3/27/09	8260B
4-Bromofluorobenzene (surr)	98 %R	97 %R	98 %R	% Rec	3/27/09	8260B
1,2-Dichlorobenzene-d4 (surr)	99 %R	102 %R	100 %R	% Rec	3/27/09	8260B
Toluene-d8 (surr)	96 %R	97 %R	96 %R	% Rec	3/27/09	8260B

Eastern Analytical, Inc. ID#: 77486 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Solid	RPD	Aqueous	RPD
Units:	%	%	%	%
EPA Method	8260B		8260B	
Surrogate Recovery				
4-Bromofluorobenzene	74-121		86-115	
1,2-Dichlorobenzene-D4	80-120		80-120	
Toluene-d8	70-130		70-130	
Matrix Spike Recovery				
1,1-Dichloroethene	59-172	30	61-145	20
Trichloroethene	62-137	30	71-120	20
Benzene	66-142	30	76-127	20
Toluene	59-139	30	76-125	20
Chlorobenzene	60-133	30	75-130	20

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-WR-01
Lab Sample ID:	77486.29
Matrix:	soil
Date Sampled:	3/24/09
Date Received:	3/25/09
Units:	mg/kg
Date of Extraction/Prep:	3/27/09
Date of Analysis:	4/1/09
Analyst:	BML
Method:	8270D
Dilution Factor:	3

Naphthalene	< 0.02
2-Methylnaphthalene	< 0.02
Acenaphthylene	**0.03**
Acenaphthene	< 0.02
Fluorene	**0.02**
Phenanthrene	**0.24**
Anthracene	**0.06**
Fluoranthene	**0.54**
Pyrene	**0.47**
Benzo[a]anthracene	**0.27**
Chrysene	**0.28**
Benzo[b]fluoranthene	**0.40**
Benzo[k]fluoranthene	**0.14**
Benzo[a]pyrene	**0.28**
Indeno[1,2,3-cd]pyrene	**0.13**
Dibenz[a,h]anthracene	**0.04**
Benzo[g,h,i]perylene	**0.14**
p-Terphenyl-D14 (surr)	**66 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-WR-01
Lab Sample ID:	77486.29
Matrix:	soil
Date Sampled:	3/24/09
Date Received:	3/25/09
Units:	mg/kg
Date of Extraction/Preparation	3/30/09
Date of Analysis:	4/2/09
Analyst:	BML
Method:	8270D
Dilution Factor:	2
Phenol	< 0.3
2-Chlorophenol	< 0.3
2,4-Dichlorophenol	< 0.3
2,4,5-Trichlorophenol	< 0.3
2,4,6-Trichlorophenol	< 0.3
Pentachlorophenol	< 1
2-Nitrophenol	< 0.3
4-Nitrophenol	< 0.3
2,4-Dinitrophenol	< 1
2-Methylphenol	< 0.3
3/4-Methylphenol	< 0.3
2,4-Dimethylphenol	< 0.3
4-Chloro-3-methylphenol	< 0.3
4,6-Dinitro-2-methylphenol	< 1
Benzoic Acid	< 1
N-Nitrosodimethylamine	< 0.3
n-Nitroso-di-n-propylamine	< 0.3
n-Nitrosodiphenylamine	< 0.3
bis(2-Chloroethyl)ether	< 0.3
bis(2-chloroisopropyl)ether	< 0.3
bis(2-Chloroethoxy)methane	< 0.3
1,3-Dichlorobenzene	< 0.3
1,4-Dichlorobenzene	< 0.3
1,2-Dichlorobenzene	< 0.3
1,2,4-Trichlorobenzene	< 0.3
2-Chloronaphthalene	< 0.3
4-Chlorophenyl-phenylether	< 0.3
4-Bromophenyl-phenylether	< 0.3
Hexachloroethane	< 0.3
Hexachlorobutadiene	< 0.3
Hexachlorocyclopentadiene	< 1
Hexachlorobenzene	< 0.3
4-Chloroaniline	< 0.3
2-Nitroaniline	< 0.3
3-Nitroaniline	< 0.3
4-Nitroaniline	< 0.3
Benzyl alcohol	< 0.3
Nitrobenzene	< 0.3
Isophorone	< 0.3
2,4-Dinitrotoluene	< 0.3
2,6-Dinitrotoluene	< 0.3
Benzidine	< 0.4
3,3'-Dichlorobenzidine	< 0.3
Pyridine	< 0.3
Azobenzene	< 0.3

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-WR-01
Lab Sample ID:	77486.29
Matrix:	soil
Date Sampled:	3/24/09
Date Received:	3/25/09
Units:	mg/kg
Date of Extraction/Preparation	3/30/09
Date of Analysis:	4/2/09
Analyst:	BML
Method:	8270D
Dilution Factor:	2
Carbazole	< 0.3
Dimethylphthalate	< 0.3
Diethylphthalate	< 0.3
Di-n-butylphthalate	< 0.5
Butylbenzylphthalate	< 0.3
bis(2-Ethylhexyl)phthalate	< 1
Di-n-octylphthalate	< 0.3
Dibenzofuran	< 0.3
Naphthalene	< 0.3
2-Methylnaphthalene	< 0.3
Acenaphthylene	< 0.3
Acenaphthene	< 0.3
Fluorene	< 0.3
Phenanthrene	**0.4**
Anthracene	< 0.3
Fluoranthene	**0.8**
Pyrene	**0.6**
Benzo[a]anthracene	**0.4**
Chrysene	**0.4**
Benzo[b]fluoranthene	**0.5**
Benzo[k]fluoranthene	< 0.3
Benzo[a]pyrene	**0.4**
Indeno[1,2,3-cd]pyrene	< 0.3
Dibenz[a,h]anthracene	< 0.3
Benzo[g,h,i]perylene	< 0.3
2-Fluorophenol (surr)	**72 %R**
Phenol-D5 (surr)	**66 %R**
2,4,6-Tribromophenol (surr)	**74 %R**
Nitrobenzene-D5 (surr)	**74 %R**
2-Fluorobiphenyl (surr)	**67 %R**
p-Terphenyl-D14 (surr)	**73 %R**

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Narrative:

SS-WR-01 8270D ABN: The dilution factor and reporting limits are elevated due to the low solids content of the sample.

The extraction blank, BlnkS032709PAH1, demonstrated Pyrene contamination above the QA/QC limit. The associated 8270D PAH samples demonstrated significantly higher concentrations of this analyte. The impact to the data is suspected to be minimal.

Eastern Analytical, Inc. ID#: 77486 **Batch ID:** 733496-60003/S033009ABN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Phenol	< 0.2	7.3 (87 %R)	7.0 (83 %R) (5 RPD)	mg/kg	26 - 90	35	8270D
2-Chlorophenol	< 0.2	7.6 (91 %R)	7.2 (87 %R) (4 RPD)	mg/kg	25 - 102	50	8270D
2,4-Dichlorophenol	< 0.2			mg/kg			8270D
2,4,5-Trichlorophenol	< 0.2			mg/kg			8270D
2,4,6-Trichlorophenol	< 0.2			mg/kg			8270D
Pentachlorophenol	< 1	7 (82 %R)	7 (83 %R) (1 RPD)	mg/kg	17 - 109	47	8270D
2-Nitrophenol	< 0.2			mg/kg			8270D
4-Nitrophenol	< 0.2	5.2 (63 %R)	6.0 (72 %R) (13 RPD)	mg/kg	11 - 114	50	8270D
2,4-Dinitrophenol	< 1			mg/kg			8270D
2-Methylphenol	< 0.2			mg/kg			8270D
3/4-Methylphenol	< 0.2			mg/kg			8270D
2,4-Dimethylphenol	< 0.2			mg/kg			8270D
4-Chloro-3-methylphenol	< 0.2	7.6 (92 %R)	7.4 (89 %R) (3 RPD)	mg/kg	26 - 103	33	8270D
4,6-Dinitro-2-methylphenol	< 1			mg/kg			8270D
Benzoic Acid	< 1			mg/kg			8270D
N-Nitrosodimethylamine	< 0.2			mg/kg			8270D
n-Nitroso-di-n-propylamine	< 0.2	3.5 (84 %R)	3.5 (83 %R) (1 RPD)	mg/kg	41 - 126	38	8270D
n-Nitrosodiphenylamine	< 0.2			mg/kg			8270D
bis(2-Chloroethyl)ether	< 0.2			mg/kg			8270D
bis(2-chloroisopropyl)ether	< 0.2			mg/kg			8270D
bis(2-Chloroethoxy)methane	< 0.2			mg/kg			8270D
1,3-Dichlorobenzene	< 0.2			mg/kg			8270D
1,4-Dichlorobenzene	< 0.2	3.5 (85 %R)	3.4 (81 %R) (5 RPD)	mg/kg	28 - 97	27	8270D
1,2-Dichlorobenzene	< 0.2			mg/kg			8270D
1,2,4-Trichlorobenzene	< 0.2	3.4 (82 %R)	3.2 (78 %R) (5 RPD)	mg/kg	38 - 107	23	8270D
2-Chloronaphthalene	< 0.2			mg/kg			8270D
4-Chlorophenyl-phenylether	< 0.2			mg/kg			8270D
4-Bromophenyl-phenylether	< 0.2			mg/kg			8270D
Hexachloroethane	< 0.2			mg/kg			8270D
Hexachlorobutadiene	< 0.2			mg/kg			8270D
Hexachlorocyclopentadiene	< 1			mg/kg			8270D
Hexachlorobenzene	< 0.2			mg/kg			8270D
4-Chloroaniline	< 0.2			mg/kg			8270D
2-Nitroaniline	< 0.2			mg/kg			8270D
3-Nitroaniline	< 0.2			mg/kg			8270D
4-Nitroaniline	< 0.2			mg/kg			8270D
Benzyl alcohol	< 0.2			mg/kg			8270D
Nitrobenzene	< 0.2			mg/kg			8270D
Isophorone	< 0.2			mg/kg			8270D
2,4-Dinitrotoluene	< 0.2	3.2 (76 %R)	3.3 (78 %R) (3 RPD)	mg/kg	28 - 89	47	8270D
2,6-Dinitrotoluene	< 0.2			mg/kg			8270D
Benzidine	< 0.4			mg/kg			8270D
3,3'-Dichlorobenzidine	< 0.2			mg/kg			8270D
Pyridine	< 0.2			mg/kg			8270D
Azobenzene	< 0.2			mg/kg			8270D

Eastern Analytical, Inc. ID#: 77486 **Batch ID:** 733496-60003/S033009ABN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Carbazole	< 0.2			mg/kg			8270D
Dimethylphthalate	< 0.2			mg/kg			8270D
Diethylphthalate	< 0.2			mg/kg			8270D
Di-n-butylphthalate	< 0.5	4.2 (%R)	4.0 (%R) (RPD)	mg/kg			8270D
Butylbenzylphthalate	< 0.2			mg/kg			8270D
bis(2-Ethylhexyl)phthalate	< 1			mg/kg			8270D
Di-n-octylphthalate	< 0.2			mg/kg			8270D
Dibenzofuran	< 0.2			mg/kg			8270D
Naphthalene	< 0.2			mg/kg			8270D
2-Methylnaphthalene	< 0.2			mg/kg			8270D
Acenaphthylene	< 0.2			mg/kg			8270D
Acenaphthene	< 0.2	3.8 (91 %R)	3.6 (85 %R) (7 RPD)	mg/kg	31 - 137	19	8270D
Fluorene	< 0.2			mg/kg			8270D
Phenanthrene	< 0.2			mg/kg			8270D
Anthracene	< 0.2			mg/kg			8270D
Fluoranthene	< 0.2			mg/kg			8270D
Pyrene	< 0.2	4.3 (103 %R)	3.9 (93 %R) (10 RPD)	mg/kg	35 - 142	36	8270D
Benzo[a]anthracene	< 0.2			mg/kg			8270D
Chrysene	< 0.2			mg/kg			8270D
Benzo[b]fluoranthene	< 0.2			mg/kg			8270D
Benzo[k]fluoranthene	< 0.2			mg/kg			8270D
Benzo[a]pyrene	< 0.2			mg/kg			8270D
Indeno[1,2,3-cd]pyrene	< 0.2			mg/kg			8270D
Dibenz[a,h]anthracene	< 0.2			mg/kg			8270D
Benzo[g,h,i]perylene	< 0.2			mg/kg			8270D
2-Fluorophenol (surr)	87 %R	87 %R	81 %R	mg/kg	25 - 121		8270D
Phenol-D5 (surr)	89 %R	89 %R	85 %R	mg/kg	24 - 113		8270D
2,4,6-Tribromophenol (surr)	79 %R	84 %R	82 %R	mg/kg	19 - 122		8270D
Nitrobenzene-D5 (surr)	88 %R	88 %R	84 %R	mg/kg	23 - 120		8270D
2-Fluorobiphenyl (surr)	86 %R	85 %R	81 %R	mg/kg	30 - 115		8270D
p-Terphenyl-D14 (surr)	91 %R	95 %R	88 %R	mg/kg	18 - 137		8270D

Eastern Analytical, Inc. ID#: 77486 **Batch ID:** 733496-60003/S033009ABN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Acid and Base/Neutral Extractable Compounds QA/QC and Narrative Report

Matrix:	Aqueous		Solid		Aqueous
Units:		% RPD		% RPD	%
EPA Method:	8270D		8270D		625(mod)
Acid Extractables Surrogates:					
2-Fluorophenol	21-110		25-121		21-110
Phenol-d5	10-94		24-113		10-94
2,4,6-Tribromophenol	10-123		19-122		10-123
Base/Neutral Extractables Surrogates:					
Nitrobenzene-d5	35-114		23-120		35-114
2-Fluorobiphenyl	43-116		30-115		43-116
p-Terphenyl-d14	33-141		18-137		33-141
Acid Extractables Spikes:					
Phenol	12-110	42	26-90	35	
2-Chlorophenol	27-123	40	25-102	50	
Pentachlorophenol	9-103	50	17-109	47	
4-Nitrophenol	10-80	50	11-114	50	
4-Chloro-3-methylphenol	23-97	42	26-103	33	
Base/Neutral Extractables Spikes:					
N-Nitroso-di-n-propylamine	41-116	38	41-126	38	
1,4-Dichlorobenzene	36-97	28	28-104	27	
1,2,4-Trichlorobenzene	39-98	28	38-107	23	
2,4-Dinitrotoluene	24-96	38	28-89	47	
Acenaphthene	46-118	31	31-137	19	
Pyrene	26-127	31	35-142	36	

Samples were extracted and analyzed within holding time limits.
Instrumentation was tuned and calibrated in accordance with the method requirements.
The associated method blank(s) were free of contamination at the reporting limit.
The associated (MS) matrix spike(s) and/or (LCS) Laboratory Control Sample(s) met the above stated criteria.
There were no exceptions in the analyses, unless noted.
DOR: Diluted out of calibration range.
MI: Matrix interference.
(mod): EPA method 3510C and 8270D employed.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-NR-01 0-0.5'	SS-NR-01 1.5-2.0'	SS-NR-02 0-0.5'	SS-NR-02 1.5-2.0'	SS-RR-01 0-0.5'	SS-RR-01 1.5-2.0'	SS-RR-02 0-0.5'	SS-RR-02 1.5-2.0'
Lab Sample ID:	77486.01	77486.02	77486.03	77486.04	77486.05	77486.06	77486.07	77486.08
Matrix:	soil	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09
Date Received:	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	3/26/09	3/26/09	3/26/09	3/26/09	3/26/09	3/26/09	3/26/09	3/26/09
Date of Analysis:	4/6/09	4/2/09	4/2/09	4/2/09	4/2/09	4/2/09	4/3/09	4/3/09
Analyst:	BML	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	3	3	2	2	6	3	2	2
Naphthalene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.03**	< 0.02
2-Methylnaphthalene	**0.03**	< 0.02	< 0.02	< 0.02	< 0.02	**0.02**	**0.03**	< 0.02
Acenaphthylene	< 0.02	< 0.02	**0.02**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Acenaphthene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Phenanthrene	**0.04**	< 0.02	**0.16**	< 0.02	**0.04**	**0.03**	**0.05**	**0.03**
Anthracene	< 0.02	< 0.02	**0.03**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluoranthene	**0.08**	< 0.02	**0.49**	**0.05**	**0.09**	**0.04**	**0.21**	**0.10**
Pyrene	**0.07**	< 0.02	**0.49**	**0.04**	**0.10**	**0.04**	**0.22**	**0.10**
Benzo[a]anthracene	**0.05**	< 0.02	**0.26**	**0.03**	**0.07**	**0.04**	**0.13**	**0.06**
Chrysene	**0.04**	< 0.02	**0.24**	**0.02**	**0.05**	**0.03**	**0.13**	**0.07**
Benzo[b]fluoranthene	**0.06**	< 0.02	**0.33**	**0.03**	**0.07**	**0.04**	**0.21**	**0.11**
Benzo[k]fluoranthene	**0.02**	< 0.02	**0.13**	< 0.02	**0.02**	< 0.02	**0.06**	**0.03**
Benzo[a]pyrene	**0.04**	< 0.01	**0.25**	**0.02**	**0.05**	**0.03**	**0.13**	**0.06**
Indeno[1,2,3-cd]pyrene	**0.03**	< 0.02	**0.12**	< 0.02	**0.03**	< 0.02	**0.07**	**0.03**
Dibenz[a,h]anthracene	< 0.02	< 0.02	**0.04**	< 0.02	< 0.02	< 0.02	**0.02**	< 0.02
Benzo[g,h,i]perylene	**0.04**	< 0.02	**0.13**	< 0.02	**0.03**	< 0.02	**0.07**	**0.04**
p-Terphenyl-D14 (surr)	**52 %R**	**60 %R**	**66 %R**	**64 %R**	**73 %R**	**59 %R**	**69 %R**	**73 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-RR-03 0-0.5'	SS-RR-03 1.5-2.0'	SS-RR-04 0-0.5'	SS-RR-04 1.5-2.0'	SS-RR-05 0-0.5'	SS-RR-05 1.5-2.0'	SS-RR-06 0-0.5'	SS-RR-07 0-0.5'
Lab Sample ID:	77486.09	77486.1	77486.11	77486.12	77486.13	77486.14	77486.15	77486.16
Matrix:	soil	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09
Date Received:	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	3/26/09	3/26/09	3/26/09	3/26/09	3/26/09	3/26/09	3/26/09	3/26/09
Date of Analysis:	4/3/09	4/3/09	4/3/09	4/6/09	4/6/09	4/6/09	4/6/09	4/6/09
Analyst:	BML	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	3	3	2	2	2	2	2	2
Naphthalene	< 0.02	**0.05**	**0.16**	**0.17**	**0.15**	**0.10**	< 0.02	< 0.02
2-Methylnaphthalene	< 0.02	**0.03**	**0.29**	**0.27**	**0.22**	**0.11**	**0.03**	< 0.02
Acenaphthylene	**0.04**	**0.09**	**0.14**	**0.16**	**0.24**	**0.46**	**0.02**	**0.05**
Acenaphthene	< 0.02	**0.09**	< 0.02	**0.05**	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	< 0.02	**0.13**	< 0.02	**0.06**	**0.02**	**0.05**	< 0.02	< 0.02
Phenanthrene	**0.16**	**1.7**	**0.31**	**0.95**	**0.43**	**0.84**	**0.05**	**0.05**
Anthracene	**0.02**	**0.37**	**0.08**	**0.14**	**0.09**	**0.19**	< 0.02	**0.02**
Fluoranthene	**0.59**	**2.9**	**0.82**	**1.8**	**1.5**	**3.7**	**0.17**	**0.28**
Pyrene	**0.43**	**1.9**	**0.72**	**1.2**	**1.4**	**3.5**	**0.13**	**0.28**
Benzo[a]anthracene	**0.25**	**1.1**	**0.37**	**0.71**	**0.78**	**1.7**	**0.09**	**0.19**
Chrysene	**0.30**	**1.2**	**0.35**	**0.85**	**0.92**	**2.1**	**0.11**	**0.19**
Benzo[b]fluoranthene	**0.46**	**1.7**	**1.1**	**1.2**	**1.7**	**4.0**	**0.18**	**0.34**
Benzo[k]fluoranthene	**0.15**	**0.49**	**0.37**	**0.43**	**0.55**	**1.3**	**0.05**	**0.11**
Benzo[a]pyrene	**0.30**	**1.1**	**0.40**	**0.58**	**1.1**	**2.7**	**0.09**	**0.26**
Indeno[1,2,3-cd]pyrene	**0.15**	**0.43**	**0.27**	**0.23**	**0.51**	**1.3**	**0.05**	**0.14**
Dibenz[a,h]anthracene	**0.05**	**0.14**	**0.09**	**0.08**	**0.14**	**0.36**	< 0.02	**0.04**
Benzo[g,h,i]perylene	**0.16**	**0.40**	**0.22**	**0.18**	**0.52**	**1.4**	**0.05**	**0.16**
p-Terphenyl-D14 (surr)	**54 %R**	**54 %R**	**65 %R**	**58 %R**	**54 %R**	**55 %R**	**54 %R**	**56 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-RR-07 0.5-1.0'	SS-RR-08 0-0.5'	SS-RR-08 1.5-2.0'	SS-RR-09 0-0.5'	SS-RR-10 0-0.5'	SS-RR-10 1.5-2.0'	SS-RR-DUP 0-0.5'	SS-RR-DUP 1.5-2.0'
Lab Sample ID:	77486.17	77486.18	77486.19	77486.2	77486.21	77486.22	77486.23	77486.24
Matrix:	soil	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09	3/23/09
Date Received:	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09	3/25/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	3/26/09	3/26/09	3/26/09	3/26/09	3/27/09	3/27/09	3/27/09	3/27/09
Date of Analysis:	4/1/09	4/1/09	4/1/09	4/1/09	4/1/09	4/1/09	4/1/09	4/1/09
Analyst:	BML	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	2	2	3	2	2	2	2	2
Naphthalene	< 0.02	**0.07**	**0.06**	**0.07**	< 0.02	**0.02**	**0.13**	**0.15**
2-Methylnaphthalene	< 0.02	**0.12**	**0.08**	**0.11**	**0.02**	**0.07**	**0.17**	**0.16**
Acenaphthylene	**0.09**	< 0.02	< 0.02	< 0.02	**0.04**	**0.06**	**0.37**	**1.1**
Acenaphthene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.03**
Fluorene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.03**	**0.11**
Phenanthrene	**0.14**	**0.11**	**0.16**	**0.15**	**0.13**	**0.29**	**0.47**	**1.6**
Anthracene	**0.05**	< 0.02	< 0.02	< 0.02	**0.04**	**0.05**	**0.14**	**0.42**
Fluoranthene	**0.54**	**0.10**	**0.20**	**0.24**	**0.34**	**0.56**	**1.9**	**6.8**
Pyrene	**0.54**	**0.09**	**0.18**	**0.22**	**0.35**	**0.54**	**2.0**	**6.3**
Benzo[a]anthracene	**0.33**	**0.06**	**0.08**	**0.08**	**0.22**	**0.33**	**1.0**	**3.1**
Chrysene	**0.31**	**0.09**	**0.13**	**0.18**	**0.24**	**0.38**	**1.3**	**3.8**
Benzo[b]fluoranthene	**0.51**	**0.09**	**0.17**	**0.24**	**0.37**	**0.53**	**2.1**	**6.5**
Benzo[k]fluoranthene	**0.15**	**0.02**	**0.05**	**0.08**	**0.13**	**0.15**	**0.77**	**2.4**
Benzo[a]pyrene	**0.38**	**0.05**	**0.08**	**0.12**	**0.25**	**0.36**	**1.5**	**4.6**
Indeno[1,2,3-cd]pyrene	**0.23**	**0.03**	**0.05**	**0.10**	**0.17**	**0.21**	**0.87**	**2.2**
Dibenz[a,h]anthracene	**0.06**	< 0.02	< 0.02	**0.03**	**0.05**	**0.06**	**0.23**	**0.59**
Benzo[g,h,i]perylene	**0.27**	**0.04**	**0.06**	**0.10**	**0.18**	**0.23**	**0.92**	**2.2**
p-Terphenyl-D14 (surr)	**66 %R**	**57 %R**	**52 %R**	**66 %R**	**84 %R**	**71 %R**	**66 %R**	**63 %R**

Eastern Analytical, Inc. ID#: 77486 **Batch ID:** 733492-59830/S032609PAH1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Naphthalene	< 0.02	0.40 (61 %R)	0.35 (53 %R) (14 RPD)	mg/kg	30 - 160	50	8270D
2-Methylnaphthalene	< 0.02	0.43 (65 %R)	0.38 (57 %R) (13 RPD)	mg/kg	30 - 160	50	8270D
Acenaphthylene	< 0.02	0.43 (64 %R)	0.39 (59 %R) (8 RPD)	mg/kg	30 - 160	50	8270D
Acenaphthene	< 0.02	0.42 (63 %R)	0.38 (57 %R) (10 RPD)	mg/kg	31 - 137	19	8270D
Fluorene	< 0.02	0.41 (62 %R)	0.41 (61 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
Phenanthrene	< 0.02	0.47 (71 %R)	0.44 (66 %R) (7 RPD)	mg/kg	30 - 160	50	8270D
Anthracene	< 0.02	0.41 (61 %R)	0.39 (58 %R) (5 RPD)	mg/kg	30 - 160	50	8270D
Fluoranthene	< 0.02	0.43 (65 %R)	0.43 (65 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
Pyrene	< 0.02	0.45 (67 %R)	0.42 (63 %R) (6 RPD)	mg/kg	35 - 142	36	8270D
Benzo[a]anthracene	< 0.02	0.46 (68 %R)	0.44 (66 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Chrysene	< 0.02	0.47 (70 %R)	0.45 (67 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
Benzo[b]fluoranthene	< 0.02	0.41 (62 %R)	0.41 (62 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
Benzo[k]fluoranthene	< 0.02	0.45 (67 %R)	0.39 (59 %R) (13 RPD)	mg/kg	30 - 160	50	8270D
Benzo[a]pyrene	< 0.01	0.42 (63 %R)	0.41 (61 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Indeno[1,2,3-cd]pyrene	< 0.02	0.52 (78 %R)	0.51 (76 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Dibenz[a,h]anthracene	< 0.02	0.51 (77 %R)	0.50 (75 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Benzo[g,h,i]perylene	< 0.02	0.49 (74 %R)	0.49 (73 %R) (1 RPD)	mg/kg	30 - 160	50	8270D
p-Terphenyl-D14 (surr)	62 %R	69 %R	64 %R	mg/kg	18 - 137		8270D

Eastern Analytical, Inc. ID#: 77486 **Batch ID:** 733493-52518/S032709PAH1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Naphthalene	< 0.02	0.31 (46 %R)	0.33 (49 %R) (6 RPD)	mg/kg	30 - 160	50	8270D
2-Methylnaphthalene	< 0.02	0.33 (50 %R)	0.34 (52 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
Acenaphthylene	< 0.02	0.34 (51 %R)	0.34 (52 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
Acenaphthene	< 0.02	0.34 (51 %R)	0.34 (51 %R) (0 RPD)	mg/kg	31 - 137	19	8270D
Fluorene	< 0.02	0.36 (54 %R)	0.37 (56 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
Phenanthrene	< 0.02	0.46 (69 %R)	0.45 (68 %R) (1 RPD)	mg/kg	30 - 160	50	8270D
Anthracene	< 0.02	0.41 (62 %R)	0.40 (61 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
Fluoranthene	< 0.02	0.49 (73 %R)	0.48 (72 %R) (1 RPD)	mg/kg	30 - 160	50	8270D
Pyrene	0.04	0.50 (74 %R)	0.52 (78 %R) (5 RPD)	mg/kg	35 - 142	36	8270D
Benzo[a]anthracene	< 0.02	0.50 (75 %R)	0.50 (75 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
Chrysene	< 0.02	0.51 (77 %R)	0.51 (76 %R) (1 RPD)	mg/kg	30 - 160	50	8270D
Benzo[b]fluoranthene	< 0.02	0.48 (71 %R)	0.46 (69 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Benzo[k]fluoranthene	< 0.02	0.46 (69 %R)	0.45 (68 %R) (1 RPD)	mg/kg	30 - 160	50	8270D
Benzo[a]pyrene	< 0.01	0.46 (69 %R)	0.45 (67 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Indeno[1,2,3-cd]pyrene	< 0.02	0.58 (87 %R)	0.60 (90 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Dibenz[a,h]anthracene	< 0.02	0.57 (86 %R)	0.59 (89 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Benzo[g,h,i]perylene	< 0.02	0.56 (83 %R)	0.59 (88 %R) (6 RPD)	mg/kg	30 - 160	50	8270D
p-Terphenyl-D14 (surr)	77 %R	74 %R	78 %R	mg/kg	18 - 137		8270D

Eastern Analytical, Inc. ID#: 77486 **Batch ID:** 733492-59830/S032609PAH1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Polynuclear Aromatic Hydrocarbons QA/QC and Narrative Report

Matrix:	Aqueous	RPD	Solid	RPD	Oil	RPD
Units:	%	%	%	%	%	%
EPA Method:	8270D		8270D		8270D	
Naphthalene	30-160		30-160		30-160	
2-Methylnaphthalene	30-160		30-160		30-160	
Acenaphthylene	30-160		30-160		30-160	
Acenaphthene	46-118	31	31-137	19	30-160	50
Fluorene	30-160		30-160		30-160	
Phenanthrene	30-160		30-160		30-160	
Anthracene	30-160		30-160		30-160	
Fluoranthene	30-160		30-160		30-160	
Pyrene	26-127	31	35-142	36	30-160	50
Benzo[a]anthracene	30-160		30-160		30-160	
Chrysene	30-160		30-160		30-160	
Benzo[b]fluoranthene	30-160		30-160		30-160	
Benzo[k]fluoranthene	30-160		30-160		30-160	
Benzo[a]pyrene	30-160		30-160		30-160	
Indeno[1,2,3-cd]pyrene	30-160		30-160		30-160	
Dibenz[a,h]anthracene	30-160		30-160		30-160	
Benzo[g,h,i]perylene	30-160		30-160		30-160	
Surrogate (p-Terphenyl-D14)	33-141		18-137		30-160	

Samples were extracted and analyzed within holding time limits.
Instrumentation was tuned and calibrated in accordance with the method requirements.
The associated method blank(s) were free of contamination at the reporting limit.
Sample Surrogate Recoveries met the above stated criteria.
The associated matrix spike(s) and/or Laboratory Control Sample(s) met the above stated criteria.
There were no exceptions in the analyses, unless noted below.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-PS-01	SS-PS-02
Lab Sample ID:	77486.25	77486.26
Matrix:	soil	soil
Date Sampled:	3/23/09	3/23/09
Date Received:	3/25/09	3/25/09
Units:	mg/kg	mg/kg
Date of Extraction/Prep:	3/26/09	3/26/09
Date of Analysis:	4/7/09	4/7/09
Analyst:	JC	JC
Method:	8081A	8081A
Dilution Factor:	1	2
Aldrin	< 0.01	< 0.01
alpha-BHC	< 0.01	< 0.01
beta-BHC	< 0.01	< 0.01
Lindane (gamma-BHC)	< 0.01	< 0.01
delta-BHC	< 0.01	< 0.01
Chlordane	< 0.1	< 0.1
4,4'-DDT	< 0.01	< 0.01
4,4'-DDE	< 0.01	< 0.01
4,4'-DDD	< 0.01	< 0.01
Dieldrin	< 0.01	< 0.01
Endosulfan I	< 0.01	< 0.01
Endosulfan II	< 0.01	< 0.01
Endosulfan Sulfate	< 0.01	< 0.01
Endrin	< 0.01	< 0.01
Endrin Aldehyde	< 0.01	< 0.01
Endrin Ketone	< 0.01	< 0.01
Heptachlor	< 0.01	< 0.01
Heptachlor Epoxide	< 0.01	< 0.01
Methoxychlor	< 0.01	< 0.01
Toxaphene	< 0.1	< 0.1
TMX (surr)	**94 %R**	**100 %R**
DCB (surr)	**82 %R**	**88 %R**

Sample SS-PS-02: The dilution factor is elevated due the low solids content of the sample. There is no impact to the reporting limits.

TBA cleanup was performed on all samples and associated Batch QC.

Eastern Analytical, Inc. ID#: 77486 **Batch ID:** 733492-56471/S032609Pest1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
Aldrin	< 0.01	0.04 (124 %R)	0.03 (100 %R) (8 RPD)	mg/kg	4/6/09	8081A
alpha-BHC	< 0.01	0.04 (126 %R)	0.03 (101 %R) (9 RPD)	mg/kg	4/6/09	8081A
beta-BHC	< 0.01	0.04 (128 %R)	0.03 (103 %R) (11 RPD)	mg/kg	4/6/09	8081A
Lindane (gamma-BHC)	< 0.01	0.04 (128 %R)	0.03 (102 %R) (9 RPD)	mg/kg	4/6/09	8081A
delta-BHC	< 0.01	0.05 (150 %R)	0.05 (154 %R) (18 RPD)	mg/kg	4/6/09	8081A
Chlordane	< 0.1	< 0.1 (133 %R)	< 0.1 (107 %R) (8 RPD)	mg/kg	4/6/09	8081A
4,4'-DDT	< 0.01	0.04 (132 %R)	0.04 (109 %R) (18 RPD)	mg/kg	4/6/09	8081A
4,4'-DDE	< 0.01	0.04 (133 %R)	0.04 (108 %R) (11 RPD)	mg/kg	4/6/09	8081A
4,4'-DDD	< 0.01	0.04 (126 %R)	0.03 (105 %R) (12 RPD)	mg/kg	4/6/09	8081A
Dieldrin	< 0.01	0.04 (128 %R)	0.03 (103 %R) (7 RPD)	mg/kg	4/6/09	8081A
Endosulfan I	< 0.01	0.04 (129 %R)	0.04 (105 %R) (10 RPD)	mg/kg	4/6/09	8081A
Endosulfan II	< 0.01	0.04 (130 %R)	0.04 (106 %R) (10 RPD)	mg/kg	4/6/09	8081A
Endosulfan Sulfate	< 0.01	0.04 (123 %R)	0.04 (110 %R) (19 RPD)	mg/kg	4/6/09	8081A
Endrin	< 0.01	0.04 (129 %R)	0.03 (103 %R) (10 RPD)	mg/kg	4/6/09	8081A
Endrin Aldehyde	< 0.01	0.04 (132 %R)	0.03 (104 %R) (24 RPD)	mg/kg	4/6/09	8081A
Endrin Ketone	< 0.01	0.04 (121 %R)	0.04 (108 %R) (9 RPD)	mg/kg	4/6/09	8081A
Heptachlor	< 0.01	0.04 (126 %R)	0.03 (101 %R) (8 RPD)	mg/kg	4/6/09	8081A
Heptachlor Epoxide	< 0.01	0.04 (129 %R)	0.03 (104 %R) (10 RPD)	mg/kg	4/6/09	8081A
Methoxychlor	< 0.01	0.04 (130 %R)	0.04 (116 %R) (20 RPD)	mg/kg	4/6/09	8081A
Toxaphene	< 0.1	< 0.1 (%R N/A)	< 0.1 (%R N/A) (RPD N/A)	mg/kg	4/6/09	8081A
TMX (surr)	38 %R	105 %R	109 %R	mg/kg	4/6/09	8081A
DCB (surr)	72 %R	132 %R	130 %R	mg/kg	4/6/09	8081A

Eastern Analytical, Inc. ID#: 77486 **Batch ID:** 733492-56471/S032609Pest1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Pesticides QA/QC and Narrative Report

Matrix:	Aqueous	Solid
Units:	%	%
EPA Method:	8081A/8082	8081A/8082
Aldrin	40-140	40-140
alpha-BHC	40-140	40-140
beta-BHC	40-140	40-140
gamma-BHC	40-140	40-140
delta-BHC	40-140	40-140
Chlordane	40-140	40-140
4,4'-DDT	40-140	40-140
4,4'-DDE	40-140	40-140
4,4'-DDD	40-140	40-140
Dieldrin	40-140	40-140
Endosulfan I	40-140	40-140
Endosulfan II	40-140	40-140
Endosulfan Sulfate	40-140	40-140
Endrin	40-140	40-140
Endrin Aldehyde	40-140	40-140
Endrin Ketone	40-140	40-140
Heptachlor	40-140	40-140
Heptachlor Epoxide	40-140	40-140
Methoxychlor	40-140	40-140
TMX(Surr)	30-150	30-150
DCB(Surr)	30-150	30-150

Samples were extracted and analyzed within holding time limits.
Instrumentation was tuned and calibrated in accordance with the method requirements.
The associated method blank(s) were free of contamination at the reporting limit.
All samples met the above stated criteria for surrogate recovery.
The associated Matrix Spike(s) and/or Laboratory Control Sample (LCS)(s) met the above stated criteria.
There were no exceptions in the analyses, unless noted below.

The analyte delta-BHC was above the acceptance criteria in both the LCS and LCSD samples. There is no impact to the data since no analytes were detected in the samples.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-RR-08 0-0.5'	Sub Slab 2	SS-CB-01	SS-WR-01					
Lab Sample ID:	77486.18	77486.27	77486.28	77486.29					
Matrix:	soil	soil	soil	soil					
Date Sampled:	3/23/09	3/24/09	3/23/09	3/24/09	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	3/25/09	3/25/09	3/25/09	3/25/09					
Aluminum	**4600**	**4100**	**6500**	**11000**	SolTotDry	mg/kg	3/30/09	6020	DS
Antimony	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Arsenic	**4.5**	**1.8**	**4.7**	**4.3**	SolTotDry	mg/kg	3/30/09	6020	DS
Barium	**42**	**10**	**62**	**68**	SolTotDry	mg/kg	3/30/09	6020	DS
Beryllium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Cadmium	< 0.5	< 0.5	**1.1**	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Chromium	**7.5**	**9.3**	**19**	**16**	SolTotDry	mg/kg	3/30/09	6020	DS
Copper	**17**	**7.4**	**37**	**20**	SolTotDry	mg/kg	3/30/09	6020	DS
Cobalt	**5.0**	**17**	**4.9**	**7.7**	SolTotDry	mg/kg	3/30/09	6020	DS
Iron	**13000**	**8400**	**13000**	**18000**	SolTotDry	mg/kg	3/30/09	6020	DS
Lead	**110**	**3.8**	**290**	**28**	SolTotDry	mg/kg	3/30/09	6020	DS
Manganese	**210**	**120**	**260**	**360**	SolTotDry	mg/kg	3/30/09	6020	DS
Mercury	< 0.1	< 0.1	< 0.1	**0.1**	SolTotDry	mg/kg	3/30/09	6020	DS
Nickel	**11**	**14**	**13**	**18**	SolTotDry	mg/kg	3/30/09	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Silver	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Vanadium	**9.1**	**8.8**	**12**	**21**	SolTotDry	mg/kg	3/30/09	6020	DS
Zinc	**69**	**24**	**150**	**110**	SolTotDry	mg/kg	3/30/09	6020	DS
Tin	**1.8**	**0.28**	**18**	**1.4**	SolTotDry	mg/kg	3/31/09	6020	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-FB-05	SS-SS-03					
Lab Sample ID:	77486.3	77486.31					
Matrix:	soil	soil					
Date Sampled:	3/23/09	3/24/09					
Date Received:	3/25/09	3/25/09					
			Analytical Matrix	**Units**	**Date of Analysis**	**Method**	**Analyst**
Aluminum	**6700**	**5300**	SolTotDry	mg/kg	3/30/09	6020	DS
Antimony	< 0.5	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Arsenic	**4.4**	**4.1**	SolTotDry	mg/kg	3/30/09	6020	DS
Barium	**47**	**130**	SolTotDry	mg/kg	3/30/09	6020	DS
Beryllium	< 0.5	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Cadmium	**1.4**	**0.6**	SolTotDry	mg/kg	3/30/09	6020	DS
Chromium	**14**	**13**	SolTotDry	mg/kg	3/30/09	6020	DS
Copper	**93**	**41**	SolTotDry	mg/kg	3/30/09	6020	DS
Cobalt	**4.7**	**5.1**	SolTotDry	mg/kg	3/30/09	6020	DS
Iron	**18000**	**15000**	SolTotDry	mg/kg	3/30/09	6020	DS
Lead	**88**	**700**	SolTotDry	mg/kg	3/30/09	6020	DS
Manganese	**200**	**230**	SolTotDry	mg/kg	3/30/09	6020	DS
Mercury	**3.7**	**0.1**	SolTotDry	mg/kg	3/30/09	6020	DS
Nickel	**14**	**42**	SolTotDry	mg/kg	3/30/09	6020	DS
Selenium	< 0.5	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Silver	< 0.5	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Thallium	< 0.5	< 0.5	SolTotDry	mg/kg	3/30/09	6020	DS
Vanadium	**16**	**180**	SolTotDry	mg/kg	3/30/09	6020	DS
Zinc	**2100**	**190**	SolTotDry	mg/kg	3/30/09	6020	DS
Tin	**1.5**	**4.8**	SolTotDry	mg/kg	3/31/09	6020	DS

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	Units	Date of Analysis	Method
Aluminum	< 100	400 (94 %R)	mg/kg	3/30/09	6020
Antimony	< 0.5	36 (89 %R)	mg/kg	3/30/09	6020
Arsenic	< 0.5	35 (88 %R)	mg/kg	3/30/09	6020
Barium	< 0.5	35 (87 %R)	mg/kg	3/30/09	6020
Beryllium	< 0.5	38 (95 %R)	mg/kg	3/30/09	6020
Cadmium	< 0.5	35 (86 %R)	mg/kg	3/30/09	6020
Chromium	< 0.5	37 (91 %R)	mg/kg	3/30/09	6020
Copper	< 0.5	37 (92 %R)	mg/kg	3/30/09	6020
Cobalt	< 0.5	37 (93 %R)	mg/kg	3/30/09	6020
Iron	< 100	500 (103 %R)	mg/kg	3/30/09	6020
Lead	< 0.5	34 (85 %R)	mg/kg	3/30/09	6020
Manganese	< 0.5	38 (94 %R)	mg/kg	3/30/09	6020
Mercury	< 0.1	0.3 (87 %R)	mg/kg	3/30/09	6020
Nickel	< 0.5	37 (93 %R)	mg/kg	3/30/09	6020
Selenium	< 0.5	34 (85 %R)	mg/kg	3/30/09	6020
Silver	< 0.5	9.0 (90 %R)	mg/kg	3/30/09	6020
Tin	< 0.2	77 (96 %R)	mg/kg	3/31/09	6020
Thallium	< 0.5	34 (84 %R)	mg/kg	3/30/09	6020
Vanadium	< 0.5	36 (91 %R)	mg/kg	3/30/09	6020
Zinc	< 0.5	36 (90 %R)	mg/kg	3/30/09	6020

Eastern Analytical, Inc. ID#: 77486

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Method
Aluminum	4500	14000 (86 %R)	14000 (86 %R) (0 RPD)	mg/kg	3/30/09	6020
Antimony	< 0.5	950 (95 %R)	960 (97 %R) (2 RPD)	mg/kg	3/30/09	6020
Arsenic	6.2	950 (95 %R)	950 (94 %R) (1 RPD)	mg/kg	3/30/09	6020
Barium	22	910 (89 %R)	930 (91 %R) (2 RPD)	mg/kg	3/30/09	6020
Beryllium	< 0.5	960 (97 %R)	950 (95 %R) (2 RPD)	mg/kg	3/30/09	6020
Cadmium	< 0.5	900 (90 %R)	910 (91 %R) (1 RPD)	mg/kg	3/30/09	6020
Chromium	5.8	860 (86 %R)	880 (88 %R) (2 RPD)	mg/kg	3/30/09	6020
Copper	5.6	780 (77 %R)	800 (80 %R) (4 RPD)	mg/kg	3/30/09	6020
Cobalt	2.5	840 (84 %R)	870 (87 %R) (4 RPD)	mg/kg	3/30/09	6020
Iron	8000	17000 (82 %R)	18000 (88 %R) (7 RPD)	mg/kg	3/30/09	6020
Lead	12	870 (87 %R)	880 (88 %R) (1 RPD)	mg/kg	3/30/09	6020
Manganese	140	980 (85 %R)	1000 (86 %R) (1 RPD)	mg/kg	3/30/09	6020
Mercury	< 0.1	1.0 (97 %R)	1.0 (97 %R) (0 RPD)	mg/kg	3/30/09	6020
Nickel	5.4	870 (86 %R)	870 (87 %R) (1 RPD)	mg/kg	3/30/09	6020
Selenium	< 0.5	930 (94 %R)	950 (96 %R) (2 RPD)	mg/kg	3/30/09	6020
Silver	< 0.5	1100 (111 %R)	1200 (117 %R) (5 RPD)	mg/kg	3/30/09	6020
Tin	4.8	43 (96 %R)	44 (99 %R) (3 RPD)	mg/kg	3/31/09	6020
Thallium	< 0.5	870 (87 %R)	900 (90 %R) (3 RPD)	mg/kg	3/30/09	6020
Vanadium	8.2	890 (88 %R)	910 (90 %R) (2 RPD)	mg/kg	3/30/09	6020
Zinc	35	870 (84 %R)	880 (85 %R) (1 RPD)	mg/kg	3/30/09	6020

Eastern Analytical, Inc. ID#: 77486 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Metals QA/QC and Narrative Report

QA/QC:	LCS	MS	MSD
Matrix:	Aqueous/Soil	Aqueous/Soil	Aqueous/Soil
Units:	%	%	%
EPA Method:	6010B/6020	6010B/6020	6010B/6020
Aluminum	80-120	75-125	75-125
Antimony	80-120	75-125	75-125
Arsenic	80-120	75-125	75-125
Barium	80-120	75-125	75-125
Beryllium	80-120	75-125	75-125
Boron	80-120	75-125	75-125
Cadmium	80-120	75-125	75-125
Calcium	80-120	75-125	75-125
Chromium	80-120	75-125	75-125
Chromium III	80-120	75-125	75-125
Chromium IV	80-120	75-125	75-125
Cobalt	80-120	75-125	75-125
Copper	80-120	75-125	75-125
Iron	80-120	75-125	75-125
Lead	80-120	75-125	75-125
Magnesium	80-120	75-125	75-125
Manganese	80-120	75-125	75-125
Mercury	80-120	75-125	75-125
Molybdenum	80-120	75-125	75-125
Nickel	80-120	75-125	75-125
Phosphorus	80-120	75-125	75-125
Potassium	80-120	75-125	75-125
Selenium	80-120	75-125	75-125
Silicon	80-120	75-125	75-125
Silver	80-120	75-125	75-125
Sodium	80-120	75-125	75-125
Thallium	80-120	75-125	75-125
Tin	80-120	75-125	75-125
Titanium	80-120	75-125	75-125
Vanadium	80-120	75-125	75-125
Zinc	80-120	75-125	75-125

Samples were analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
There were no exceptions in the analyses, unless noted below.

URS

URS Corporation
5 Industrial Way
Salem, NH 03079
Tel: 603.893.0616
Fax: 603.893.6240

Mr. Scott Kelley
Eastern Analytical
25 Chenell Drive
Concord, NH 03301

URS Project #	: 39741-683-00000
Laboratory Batch #	: 28744
Date Samples Received	: 3/27/2009
Date Samples Analyzed	: 4/3/2009
Date of Final Report	: 4/3/2009

SAMPLE IDENTIFICATION:

Fifteen bulk samples from the Eastern Analytical; Vermont project; submitted by Scott Kelley.

These bulk samples were delivered to URS Corporation, Salem, New Hampshire for asbestos content determination.

ANALYTICAL METHOD:

Analytical procedures were performed in accordance with the U.S. Environmental Protection Agency (EPA) Recommended Method for the Determination of Asbestos in Bulk Samples by Polarized Light Microscopy and Dispersion Staining (PLM/DS)(EPA-600/M4-82-020, EPA-600/ R-93-116) and the New York Department of Health Environmental Laboratory Approval Program (NYDOH-ELAP 198.1) with the exception of resinously bound materials (please refer to the comments at the end of this report). This report relates only to those samples actually analyzed, and may not be indicative of other similar appearing materials existing at this, or other sites. Quantification of asbestos content was determined by Calibrated Visual Estimation.

The EPA requires that friable samples with analytical results of 10% or less asbestos, by visual estimation, be treated as asbestos-containing material unless these quantities are verified using the point counting method. The point counting method is a systematic technique for estimating concentration, also using PLM. The point counting method, however, does not increase the analyst's ability to detect fibers. If you would like any of your friable samples with an asbestos content of less than 10% to be point counted, please contact our office. Point counting is not required for those samples in which no asbestos is detected during analysis by PLM.

In any given material, fibers with a small diameter (<0.25µm) may not be detected by the PLM method. Floor tile and other resinously bound material may yield a false negative if the asbestos fibers are too small to be resolved using PLM. Additional analytical methods may be required. URS recommends using Transmission Electron Microscopy (TEM) for a more definitive analysis.

New York state regulations require that all friable samples in which asbestos is detected be point counted (using the NYDOH-ELAP stratified point counting method). New York state regulations also require TEM confirmation of NOB (Non Organically Bound) samples found to have No Asbestos Detected by PLM. These regulations apply only to samples taken within the State of New York.

URS will retain all samples for a minimum of three months. Further analysis or return of samples must be requested within this three month period to guarantee their availability. This report may not be reproduced except in full, without the written approval of the URS, Salem Asbestos Laboratory.

Use of the NVLAP and AIHA Logo in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology or the American Industrial Hygiene Association.

The analysis of this soil sample was performed utilizing the U.S. EPA Region 1 Reference Method, to facilitate finding asbestos fibers present at low levels. This procedure differs from the EPA Method and should not be considered a recognized protocol.

If you have any questions regarding this report, please do not hesitate to contact us.

Douglas R. Lawson, Ph.D, CIH
Laboratory Director

Jamie L. Noel
Laboratory Supervisor

NVLAP Lab ID#: 101433-0
NYDOH-ELAP #: 11020
Control Document 1000 10/6/2008

URS

Laboratory Bulk Asbestos Analysis Results

Client/ Project Title : Eastern Analytical; Vermont
Project Number : 39741-683-00000
Laboratory Batch : 28744

Date Received : 3/27/2009
Date Reported : 4/3/2009
Analyst : Jamie L. Noel

			Asbestos Type(s) Detected				Non-Asbestos Materials				
Lab ID #	Client ID #/ Description	Color	% Chrysotile	% Amosite	% Crocidolite	% Other	% Cellulose	% Fiber Glass/ Mineral Wool	% Other Fibrous Material (OFM)	% Non-Fibrous Material	**Comments** Analysis Methods Per EPA-600/M4-82-020, EPA-600/R-93-116, & NYDOH-ELAP 198.1 NAD - No Asbestos Detected
001	SS-RR-01, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
002	SS-RR-09, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
003	SS-RR-08, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
004	SS-RR-04, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
005	SS-FB-06, Soil						P			P	P = Present; U.S. EPA Region 1 Reference Method
006	SS-FB-07, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
007	SS-FB-08, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
008	SS-CB-01, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
009	SS-CB-02, Soil						P			P	P = Present; U.S. EPA Region 1 Reference Method
010	SS-RR-05, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
011	SS-FB-ACM-01, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
012	SS-FB-ACM-02, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
013	SS-FB-ACM-03, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
014	SS-FB-ACM-04, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method
015	SS-FB-ACM-05, Soil						P		P	P	P = Present; U.S. EPA Region 1 Reference Method

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

April 3, 2009

URS Corporation
Attn: Jamie Noel
5 Industrial Way
Salem, NH 03079

RE: URS Corporation
Job Number 509031261
P.O. # 28746
39741683.00000; EA SRB #77486; Batch 28746 ,Soil Analysis By TEM

Dear Jamie Noel:

Enclosed are the results of Asbestos Analysis - Bulk Qualitative Protocol of the following URS Corporation samples, received at AmeriSci on Tuesday, March 31, 2009, for a 5 day turnaround:

SS-FB-ACM-05, SS-RR-050-05

The 2 samples, placed in Zip Lock Bags, were shipped to AmeriSci via Federal Express. URS Corporation requested Bulk-Qualitative analysis of these samples.

The samples were prepared and analyzed by using a Standard Operating Procedure developed by AmeriSci, Inc.. After preparation, using non-quantitative matrix reduction if necessary, the presence or absence of asbestos is determined by PLM and/or TEM as indicated on the attached summary table. Quantification after the fact is not possible without a new preparation. This report relates ONLY to the analysis expressed as "asbestos present" or "no asbestos visible". This report must not be used to claim product endorsement or approval by AmeriSci, NVLAP, ELAP or any other associated AmeriSci certifying agency. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the approval of the laboratory.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

Bryan H. Clark
Asbestos Lab Director

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Table I
Summary of Bulk Asbestos Analysis Results

39741683.00000; EA SRB #77486; Batch 28746 ,Soil Analysis By TEM

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	Asbestos by PLM/DS	Asbestos by TEM
01	SS-FB-ACM-05		----	----	----	----	NA	Chrysotile Present
02	SS-RR-050-05		----	----	----	----	NA	Chrysotile Present

BULK QUALITATIVE Reporting Notes

Reviewed by: _____; Date Reviewed: 4-3-9 Analyzed By: Sandhya Gunasekara _____ Date Analyzed: 4/3/2009

Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represent results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NA = not analyzed; See ** Warning Notes below.

** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine-grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended.

AMERISCI

www.amerisci.com

CHAIN OF CUSTODY RECORD

AMERISCI JOB #: 509031261

AMERISCI BOSTON
8 School Street
Weymouth, MA 02189
Toll Free (888) 724-5221
Phone (781) 337-9334
Fax (781) 337-7642

COMPANY:	ADDRESS:	P.O.#:
URS Corporation	5 Industrial Way Salem,	NH

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME (X) 6-8 HR	12 HR	24 HR	48 HR	72 HR	5 DAY	OTHER	AIR FILTER INFORMATION:	
JOB NAME: EA SRB #77486	TEM/AHERA								MCE	
	TEM/LEVEL II								PC	
JOB NUMBER: 39741683.00000	TEM/BULK								25 mm	
	TEM/DUST								37 mm	
JOB MANAGER: Noel	TEM/WATER								0.45 um	
	PCM	RUSH							0.80 um	
JOB DESCRIPTION: Soil Analysis by TEM	PLM	RUSH							TEMP:	
	OTHER:								OTHER:	

RESULTS TO: J. NOEL
EMAIL TO: JAMIE_NOEL@URSCORP.COM
INVOICE TO: J. Noel
COMMENTS: Batch 28746

RETURN SAMPLES YES_____ NO_____
PHONE: 603 893 0116
FAX: 603 893 6240
SITE FAX:
PAGER/CELL:

SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME	X LITERS /MIN.	= TOTAL VOLUME	DATE COLLECTED
SS-FB-ACM-05	Soil - TEM Analysis			Standard TAT			
SS-RR-05 0-0.5'	Soil - TEM Analysis			Standard TAT			

SAMPLED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
			3.29.09
RELINQUISHED BY	DATE/TIME: 3.30.09	RECEIVED IN LAB BY:	DATE/TIME:

CHAIN-OF-CUSTODY RECORD

eastern analytical
professional laboratory services

Sample ID	Date Sampled	Matrix	aParameters	Sample Notes
SS-RR-05 0-0.5'	3/23/2009 11:55	soil	Asbestos TEM Soil Subcontract	
SS-RR-01 0-0.5'	3/23/2009 10:25	soil	Asbestos PLM Soil Subcontract	
SS-RR-09 0-0.5'	3/23/2009 13:25	soil	Asbestos PLM Soil Subcontract	
SS-RR-08 0-0.5'	3/23/2009 13:10	soil	Asbestos PLM Soil Subcontract	
SS-RR-04 0-0.5'	3/23/2009 11:15	soil	Asbestos PLM Soil Subcontract	

EAI SRB# 77486 **Project State: VT**

Project ID: 2942

Company URS Corporation
Address 5 Industrial Way
Address Salem, NH 03079
Account #
Phone # 893-0616
Fax Number

Results Needed by: Preferred date Std

QC Deliverables

☐A ☐A+ ☒B ☐B+ ☐C ☐DE

Notes about project

Eastern Analytical Inc. PO Number 23769

Report To: Front Office / Ship hard copy overnight

E-Mail PDF: customerservice@eailabs.com

Invoice To: Front Office with hard copy report

Samples Collected by:

Chris Johnson 3/26/09 Norman Cain 1322
Relinquished by Date/Time Received by

Norman Cain 3/26/09 1434 Ashley Boisvert
Relinquished by Date/Time Received by

CHAIN-OF-CUSTODY RECORD

eastern analytical
professional laboratory services

Sample ID	Date Sampled	Matrix	aParameters	Sample Notes
SS-FB-ACM-01	3/23/2009 15:25	soil	Asbestos PLM Soil Subcontract	
SS-FB-ACM-02	3/23/2009 15:30	soil	Asbestos PLM Soil Subcontract	
SS-FB-ACM-03	3/23/2009 15:35	soil	Asbestos PLM Soil Subcontract	
SS-FB-ACM-04	3/23/2009 15:40	soil	Asbestos PLM Soil Subcontract	
SS-FB-ACM-05	3/23/2009 15:45	soil	Asbestos PLM Soil Subcontract	
SS-FB-ACM-05	3/23/2009 15:45	soil	Asbestos TEM Soil Subcontract	

EAI SRB# 77486 **Project State: VT**

Project ID: 2942

Company URS Corporation
Address 5 Industrial Way
Address Salem, NH 03079
Account #
Phone # 893-0616
Fax Number

Results Needed by: Preferred date Std

QC Deliverables

☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ DE

Notes about project

Eastern Analytical Inc. PO Number 23769

Report To: Front Office / Ship hard copy overnight

E-Mail PDF: customerservice@eailabs.com

Invoice To: Front Office with hard copy report

Samples Collected by:

Chris Johnson 3/26/09 Norman Cain 1322
Relinquished by Date/Time Received by

Norman Cain 3/26/09 1434 Ashley Boisvert
Relinquished by Date/Time Received by

CHAIN-OF-CUSTODY RECORD

eastern analytical
professional laboratory services

Sample ID	Date Sampled	Matrix	aParameters	Sample Notes
SS-FB-ACM-06	3/23/2009 15:55	soil	Asbestos PLM Soil Subcontract	
SS-FB-ACM-07	3/23/2009 16:00	soil	Asbestos PLM Soil Subcontract	
SS-FB-ACM-08	3/23/2009 16:05	soil	Asbestos PLM Soil Subcontract	
SS-CB-01	3/23/2009 16:10	soil	Asbestos PLM Soil Subcontract	
SS-CB-02	3/23/2009 16:15	soil	Asbestos PLM Soil Subcontract	
SS-RR-05 0-0.5'	3/23/2009 11:55	soil	Asbestos PLM Soil Subcontract	

EAI SRB# 77486 **Project State: VT**
Project ID: 2942

Company URS Corporation
Address 5 Industrial Way
Address Salem, NH 03079
Account #
Phone # 893-0616
Fax Number

Results Needed by: Preferred date Std

QC Deliverables

☐ A ☐ A+ ☒ B ☐ B+ ☐ C ☐ DE

Notes about project

Eastern Analytical Inc. PO Number 23769

Report To: Front Office / Ship hard copy overnight
E-Mail PDF: customerservice@eailabs.com
Invoice To: Front Office with hard copy report

Samples Collected by:

Relinquished by	Date/Time	Received by
Chris Johnson	3/26/09	Norman Cain 1322
Norman Cain	3/26/09 1434	Ashley Boisvert

77486

37

CHAIN OF CUSTODY RECORD

Client / Project Name: The Johnson Co. / Richmond Creamery

Project Location: 1-0346-3

Project No.: 1-0346-3

Field Logbook No.: MSM-01

Sampler: (Signature) [signature]

Chain of Custody Tape No.: —

ANALYZES: PAH Low Level SIM

Sample No. / Identification	Date	Time	Lab Sample Number	Type of Sample	PAH Low Level SIM						REMARKS
SS-NR-01 0-0.5'	3/23/09	1425		Soil	X						Please use
SS-NR-01 1.5-2.0'	↓	↓		↓	↓						low level 8270SIM
SS-NR-02 0-0.5'	↓	1450		↓	↓						(0.01 RL for B(a)P) for
SS-NR-02 1.5-2.0'	↓	↓		↓	↓						PAH Analysis
SS-RR-01 0-0.5'	↓	1025		↓	↓						
SS-RR-01 1.5-2.0'	↓	↓		↓	↓						
SS-RR-02 0-0.5'	↓	1040		↓	↓						
SS-RR-02 1.5-2.0'	↓	↓		↓	↓						
SS-RR-03 0-0.5'	↓	1100		↓	↓						
SS-RR-03 1.5-2.0'	↓	↓		↓	↓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/25/09	1300	[signature]	3-25-09	1300
Relinquished by: (Signature) [signature]	3-25-09	15:50	Received for Laboratory: (Signature) [signature]	3/25/09	1550
Sample Disposal Method:			Disposed of by: (Signature)	Date	Time

SAMPLE COLLECTOR: Mike Marotto

THE JOHNSON COMPANY, INC.
Environmental Sciences and Engineering
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Fax (802) 229-5876

ANALYTICAL LABORATORY: EAI

6°C on ice

Shipper ID #

WHITE - To accompany sample to the lab and returned to the Johnson Co. YELLOW - Lab copy PINK - Transporter copy GOLD - Sampler copy

CHAIN OF CUSTODY RECORD

77486

38

Client / Project Name: The Johnson Co. / Richmond Creamery	Project Location: Richmond, VT
Project No.: 1-0346-3	Field Logbook No.: MTM-01
Sampler: (Signature) [signature]	Chain of Custody Tape No.:

ANALYZES: PAH Low Level SIM 8270; PRG Metals

Sample No. / Identification	Date	Time	Lab Sample Number	Type of Sample	PAH Low Level SIM 8270	PRG Metals					REMARKS
SS-RR-04 0-0.5	3/23/09	1115		Soil	X						Please use low
SS-RR-04 1.5-2.0'	↓	↓		↓	↓						level 8270 SIM
SS-RR-05 0-0.5'	↓	1155		↓	↓						(0.01 BaP RL) for
SS-RR-05 1.5-2.0'	↓	↓		↓	↓						PAH analysis.
SS-RR-06 0-0.5'	↓	1220		↓	↓						Refer to QAPP for
SS-RR-07 0-0.5'	↓	1240		↓	↓						PRG metal list
SS-RR-07 0.5-1.0'	↓	↓		↓	↓						
SS-RR-08 0-0.5	↓	1310		↓	↓						
SS-RR-08 1.5-2.0'	↓	↓		↓	↓						
SS-RR-08 0-0.5	↓	1310		↓	↓	X					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/25/09	1300	[signature]	3-25-09	1300
Relinquished by: (Signature) [signature]	3-25-09	15:50	Received for Laboratory: (Signature) [signature]	3/25/09	1550
Sample Disposal Method:			Disposed of by: (Signature)	Date	Time

SAMPLE COLLECTOR: Mike Marotto

THE JOHNSON COMPANY, INC.
Environmental Sciences and Engineering
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Fax (802) 229-5876

ANALYTICAL LABORATORY: EAI 6°C on ice

Shipper ID #:

WHITE - To accompany sample to the lab and returned to the Johnson Co. YELLOW - Lab copy PINK - Transporter copy GOLD - Sampler copy

3 of 6

CHAIN OF COSTODY RECORD

7122

39

Client / Project Name: The Johnson Company, Inc (Richmond Creamery)

Project Location: Richmond, VT

Project No.: 1-0346-3

Field Logbook No.: MSM 01

Sampler: (Signature) [signature]

Chain of Custody Tape No.:

Sample No. / Identification	Date	Time	Lab Sample Number	Type of Sample	PAH SIM low level (* 8270SIM)	Pesticides **	PPL Metals 6020A	** SVOCs * 8270	VOCs 8260B		REMARKS
SS-RR-09 0-0.5'	3/23/09	1330		Soil	X						see notes
SS-RR-10 0-0.5'	↓	1340		↓	↓						
SS-RR-10 1.5-2.0'	↓	↓		↓	↓						
SS-RR-DUP 0-0.5	↓	1200		↓	↓						
SS-RR-DUP 1.5-2.0	↓	↓		↓	↓						
SS-PS-01	↓	1435		↓		X					
SS-PS-02	↓	1500		↓		X					
Sub Slab 2	3/24/09	1025		↓			X		X		
SS-CB-01	3/23/09	1610		↓			X				
SS-WR-01	3/24/09	1145		↓			X	X	X		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3/25/09	1300	[signature]	3-25-09	1300
[signature]	3-25-09	15:50	Received for Laboratory: [signature]	3/25/09	1550

Sample Disposal Method:

Disposed of by: (Signature) ** ABS per customer PA 4/16/09

Date / Time

SAMPLE COLLECTOR: Mike Marotto

THE JOHNSON COMPANY, INC.

Environmental Sciences and Engineering

100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Fax (802) 229-5876

ANALYTICAL LABORATORY: EAI 6°C on ice

Notes:
* Please use low level 8270SIM (0.01 RL BaP) for all PAH + SVOC samples
** Please use low-level 8081 for pesticides
Refer to QAPP for PPL metal list

Shipper ID #

WHITE - To accompany sample to the lab and returned to the Johnson Co. YELLOW - Lab copy PINK - Transporter copy GOLD - Sampler copy

4 of 6

11486
7124

40

CHAIN OF CUSTODY RECORD

Client / Project Name	Project Location
The Johnson Company / Richmond Creamery	Richmond, VT
Project No.	**Field Logbook No.**
1-0346-3	MJM01
Sampler: (*Signature*)	**Chain of Custody Tape No.**
[signature]	—

ANALYZES

Sample No. / Identification	Date	Time	Lab Sample Number	Type of Sample	PRG Metals						REMARKS
SS-FB05	3/23/09	1545		Soil	X						Refer to QAPP
SS-SS-03	3/24/09	0910		↓	↓						for PRG Metals list

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
[signature]	3/25/09	1300	[signature]	3-25-09	1300
Relinquished by: (*Signature*)	**Date**	**Time**	**Received for Laboratory: (*Signature*)**	**Date**	**Time**
[signature]	3-25-09	15:50	[signature]	3/25/09	1550
Sample Disposal Method:			**Disposed of by: (*Signature*)**	**Date**	**Time**

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	Shipper ID #
Mike Marotto THE JOHNSON COMPANY, INC. Environmental Sciences and Engineering 100 State Street, Suite 600 Montpelier, VT 05602 (802) 229-4600 Fax (802) 229-5876	6°C on ice	

WHITE - To accompany sample to the lab and returned to the Johnson Co. YELLOW - Lab copy PINK - Transporter copy GOLD - Sampler copy

CHAIN OF CUSTODY RECORD

7065

Client / Project Name: The Johnson Company | Richmond Creamery

Project Location: Richmond, VT

Project No.: 1-0346-3

Field Logbook No.: MSM 09

Sampler: (*Signature*) [signature]

Chain of Custody Tape No.:

ANALYZES

Sample No. / Identification	Date	Time	Lab Sample Number	Type of Sample	Asbestos PLM	Asbestos TEM					REMARKS
SS-FB-ACM-01	3/23/09	1525		Soil	X						EPA Method 600/R-93/116
SS-FB-ACM-02	↓	1530		↓	↓						↓
SS-FB-ACM-03	↓	1535		↓	↓						↓
SS-FB-ACM-04	↓	1540		↓	↓						↓
SS-FB-ACM-05	↓	1545		↓	↓	X					Add'l sample submitted for TEM
SS-FB-ACM-06	↓	1555		↓	↓						↓
SS-FB-ACM-07	↓	1600		↓	↓						↓
SS-FB-ACM-08	↓	1605		↓	↓						↓
SS-CB-01	↓	1610		↓	↓						↓
SS-CB-02	↓	1615		↓	↓						↓

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
[signature]	3/24/09	1300	[signature]	3-25-09	1300

Relinquished by: (*Signature*)	Date	Time	Received for Laboratory: (*Signature*)	Date	Time
[signature]	3-25-09	15:50	[signature]	3/25/09	15:50

Sample Disposal Method:

Disposed of by: (*Signature*) | Date | Time

SAMPLE COLLECTOR: Mike Marotto

THE JOHNSON COMPANY, INC.
Environmental Sciences and Engineering
100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Fax (802) 229-5876

ANALYTICAL LABORATORY: EAI

6°C on ice

Shipper ID #

WHITE - To accompany sample to the lab and returned to the Johnson Co. YELLOW - Lab copy PINK - Transporter copy GOLD - Sampler copy

805-801-3064
6 of 6

CHAIN OF CUSTODY RECORD

77480
7119 42

Client / Project Name	Project Location
The Johnson Company / Richmond Cemetery	Richmond, VT
Project No.	**Field Logbook No.**
1-0346-3	MSM 01
Sampler: (Signature)	**Chain of Custody Tape No.**
Mike Mattio	

Sample No. / Identification	Date	Time	Lab Sample Number	Type of Sample	ANALYZES: Asbestos PLM	Asbestos TEM					REMARKS
SS-RR-05 0-0.5	3/23/09	1155		SOIL	X	X					Add'l Sample Subm. for TEM EPA METHOD 600/R-93/116
SS-RR-01 0-0.5	"	1025		"							
SS-RR-09 0-0.5		1325									
SS-RR-08 0-0.5		1310									
SS-RR-04 0-0.5		1115									

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Mike Mattio	3/25/09	1300		3-25-09	1300
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
	3-25-9	15:50		3/25/09	1550
Sample Disposal Method:			**Disposed of by: (Signature)**	**Date**	**Time**

SAMPLE COLLECTOR

Mike Mattio

100 State Street, Suite 600
Montpelier, VT 05602
(802) 229-4600
Fax (802) 229-5876

THE JOHNSON COMPANY, INC.
Environmental Sciences and Engineering

ANALYTICAL LABORATORY

EAI

6°C on ice

Shipper ID #

WHITE - To accompany sample to the lab and returned to the Johnson Co. YELLOW - Lab copy PINK - Transporter copy GOLD - Sampler copy

eastern analytical

professional laboratory services

Rhonda Kay
The Johnson Company
100 State Street
Montpelier , VT 05602

Subject: Laboratory Report

Eastern Analytical, Inc. ID:	78234
Client Identification:	Richmond Creamery | 1-0346-3
Date Received:	4/17/2009

Dear Ms. Kay :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. (EAI) certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

This report package contains the following information: Sample Conditions summary, Analytical Results/Data and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

Analytical Deviation & QA/QC Documentation:
Quality Control Samples associated with this project are included in this report. At a minimum, a Method Blank and Laboratory Control Sample (LCS) are reported. Matrix Spikes and Duplicates are reported where applicable. Deviations are narrated on the QC pages.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 5.5.09 Date | 38 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Temperature upon receipt (°C): 3 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
78234.01	SS-AST-1 0-0.5'	4/17/09	4/14/09	soil	82.5	Adheres to Sample Acceptance Policy
78234.02	SS-AST-1 1.5- 2.0'	4/17/09	4/14/09	soil	81.2	Adheres to Sample Acceptance Policy
78234.03	SB-08 1.5-2.0'	4/17/09	4/15/09	soil	81.0	Adheres to Sample Acceptance Policy
78234.04	MW-1 3.5-4.0'	4/17/09	4/14/09	soil	92.4	Adheres to Sample Acceptance Policy
78234.05	MW-1 15.5-16.0'	4/17/09	4/14/09	soil	85.6	Adheres to Sample Acceptance Policy
78234.06	MW-2 12-13'	4/17/09	4/14/09	soil	84.6	Adheres to Sample Acceptance Policy
78234.07	MW-3 13-14'	4/17/09	4/14/09	soil	62.6	Adheres to Sample Acceptance Policy
78234.08	MW-4 13-14'	4/17/09	4/14/09	soil	73.5	Adheres to Sample Acceptance Policy
78234.09	MW-5 11-12'	4/17/09	4/14/09	soil	73.3	Adheres to Sample Acceptance Policy
78234.1	MW-6 7.5-8.0'	4/17/09	4/15/09	soil	74.5	Adheres to Sample Acceptance Policy
78234.11	MW-7 6.5-7.0'	4/17/09	4/15/09	soil	84.4	Adheres to Sample Acceptance Policy
78234.12	MW-8 7-7.5'	4/17/09	4/15/09	soil	81.9	Adheres to Sample Acceptance Policy
78234.13	MW-9 4.5-5.0'	4/17/09	4/15/09	soil	82.0	Adheres to Sample Acceptance Policy
78234.14	Trip Blank	4/17/09	3/10/09	aqueous		Adheres to Sample Acceptance Policy
78234.15	Sump	4/17/09	4/14/09	aqueous		Adheres to Sample Acceptance Policy
78234.16	MW-9 2.5-3.0'	4/17/09	4/16/09	soil	91.5	Adheres to Sample Acceptance Policy
78234.17	MW-6 15-15.5'	4/17/09	4/16/09	soil	84.1	Adheres to Sample Acceptance Policy
78234.18	MW-5 3.5-4.0'	4/17/09	4/16/09	soil	80.9	Adheres to Sample Acceptance Policy
78234.19	MW-3 1.5-2.0'	4/17/09	4/16/09	soil	78.1	Adheres to Sample Acceptance Policy
78234.2	MW-4 15.5-16.0'	4/17/09	4/16/09	soil	73.6	Adheres to Sample Acceptance Policy
78234.21	MW-2 16-18'	4/17/09	4/16/09	soil	78.5	Adheres to Sample Acceptance Policy
78234.22	MW-1 0-0.5'	4/17/09	4/16/09	soil	95.7	Adheres to Sample Acceptance Policy
78234.23	MW-7 1.5-2.0'	4/17/09	4/16/09	soil	82.8	Adheres to Sample Acceptance Policy
78234.24	MW-8 1.5-2.0'	4/17/09	4/16/09	soil	85.4	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-AST-1 0-0.5'	SS-AST-1 1.5- 2.0'	MW-1 15.5-16.0'
Lab Sample ID:	78234.01	78234.02	78234.05
Matrix:	soil	soil	soil
Date Sampled:	4/14/09	4/14/09	4/14/09
Date Received:	4/17/09	4/17/09	4/17/09
Units:	mg/kg	mg/kg	mg/kg
Date of Analysis:	4/22/09	4/22/09	4/22/09
Analyst:	BAM	BAM	BAM
Method:	8260B	8260B	8260B
Dilution Factor:	2	2	1
Methyl-t-butyl ether(MTBE)	< 0.2	< 0.2	< 0.1
Benzene	< 0.09	< 0.09	< 0.05
1,2-Dichloroethane	< 0.09	< 0.09	< 0.05
Toluene	< 0.09	**0.13**	< 0.05
1,2-Dibromoethane(EDB)	< 0.09	< 0.09	< 0.05
Ethylbenzene	< 0.09	< 0.09	< 0.05
mp-Xylene	< 0.09	**0.16**	< 0.05
o-Xylene	< 0.09	< 0.09	< 0.05
1,3,5-Trimethylbenzene	< 0.09	< 0.09	< 0.05
1,2,4-Trimethylbenzene	< 0.09	< 0.09	< 0.05
Naphthalene	< 0.5	< 0.6	< 0.3
4-Bromofluorobenzene (surr)	**102 %R**	**100 %R**	**105 %R**
1,2-Dichlorobenzene-d4 (surr)	**102 %R**	**100 %R**	**97 %R**
Toluene-d8 (surr)	**94 %R**	**95 %R**	**96 %R**

GC/MS analysis was employed for the determination of the 8021B compound list.

SS-AST-1 0-0.5', SS-AST-1 1.5-2.0': Reporting limits are elevated due to the % solids content of the sample or the sample mass used for

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SB-08 1.5-2.0'	MW-2 12-13'	MW-3 13-14'	MW-4 13-14'	MW-5 11-12'	MW-6 7.5-8.0'	MW-7 6.5-7.0'
Lab Sample ID:	78234.03	78234.06	78234.07	78234.08	78234.09	78234.1	78234.11
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	4/15/09	4/14/09	4/14/09	4/14/09	4/14/09	4/15/09	4/15/09
Date Received:	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/23/09
Analyst:	BAM	BAM	BAM	BAM	BAM	BAM	BAM
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Dichlorodifluoromethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloromethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Bromomethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloroethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Diethyl Ether	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Acetone	< 2	< 2	< 3	< 2	< 2	< 2	< 2
1,1-Dichloroethene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Methylene chloride	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Carbon disulfide	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,1-Dichloroethane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
2,2-Dichloropropane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
cis-1,2-Dichloroethene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
2-Butanone(MEK)	< 0.5	< 0.5	< 0.7	< 0.6	< 0.5	< 0.5	< 0.5
Bromochloromethane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Tetrahydrofuran(THF)	< 0.5	< 0.5	< 0.7	< 0.6	< 0.5	< 0.5	< 0.5
Chloroform	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,1,1-Trichloroethane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Carbon tetrachloride	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,1-Dichloropropene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Benzene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,2-Dichloroethane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Trichloroethene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,2-Dichloropropane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Dibromomethane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Bromodichloromethane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
4-Methyl-2-pentanone(MIBK)	< 0.5	< 0.5	< 0.7	< 0.6	< 0.5	< 0.5	< 0.5
cis-1,3-Dichloropropene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Toluene	< 0.05	< 0.05	< 0.07	**0.20**	< 0.05	< 0.05	< 0.05
trans-1,3-Dichloropropene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,1,2-Trichloroethane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
2-Hexanone	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,3-Dichloropropane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Dibromochloromethane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,2-Dibromoethane(EDB)	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Chlorobenzene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,1,1,2-Tetrachloroethane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Ethylbenzene	**0.18**	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
mp-Xylene	**0.18**	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
o-Xylene	**0.10**	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Styrene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Bromoform	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SB-08 1.5-2.0'	MW-2 12-13'	MW-3 13-14'	MW-4 13-14'	MW-5 11-12'	MW-6 7.5-8.0'	MW-7 6.5-7.0'
Lab Sample ID:	78234.03	78234.06	78234.07	78234.08	78234.09	78234.1	78234.11
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	4/15/09	4/14/09	4/14/09	4/14/09	4/14/09	4/15/09	4/15/09
Date Received:	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/23/09
Analyst:	BAM	BAM	BAM	BAM	BAM	BAM	BAM
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
IsoPropylbenzene	**0.72**	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Bromobenzene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,1,2,2-Tetrachloroethane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,2,3-Trichloropropane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
n-Propylbenzene	**1.8**	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
2-Chlorotoluene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
4-Chlorotoluene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,3,5-Trimethylbenzene	**1.1**	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
tert-Butylbenzene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,2,4-Trimethylbenzene	**7.9**	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
sec-Butylbenzene	**2.8**	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,3-Dichlorobenzene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
p-Isopropyltoluene	**2.3**	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,4-Dichlorobenzene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,2-Dichlorobenzene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
n-Butylbenzene	**4.1**	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,2-Dibromo-3-chloropropane	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
1,2,4-Trichlorobenzene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Hexachlorobutadiene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
Naphthalene	**6.8**	< 0.1	< 0.1	**0.1**	< 0.1	< 0.1	< 0.1
1,2,3-Trichlorobenzene	< 0.05	< 0.05	< 0.07	< 0.06	< 0.05	< 0.05	< 0.05
4-Bromofluorobenzene (surr)	**143 %R**	**103 %R**	**105 %R**	**101 %R**	**101 %R**	**104 %R**	**98 %R**
1,2-Dichlorobenzene-d4 (surr)	**124 %R**	**103 %R**	**102 %R**	**96 %R**	**102 %R**	**102 %R**	**100 %R**
Toluene-d8 (surr)	**98 %R**	**92 %R**	**96 %R**	**94 %R**	**95 %R**	**97 %R**	**93 %R**

MW-3 13-14', MW-4 13-14': Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.

SB-08 1.5-2.0': The value for n-Butylbenzene may be elevated due to non-target interference.
SB-08 1.5-2.0': Non target interference in the sample resulted in recovery outside of the acceptance control limits of 74-121%R for the surrogate 4-Bromofluorobenzene (surr).
SB-08 1.5-2.0': Non target interference in the sample resulted in recovery outside of the acceptance control limits of 80-120%R for the surrogate 1,2-Dichlorobenzene-d4 (surr).

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-8 7-7.5'	MW-9 4.5-5.0'	Trip Blank	Sump
Lab Sample ID:	78234.12	78234.13	78234.14	78234.15
Matrix:	soil	soil	aqueous	aqueous
Date Sampled:	4/15/09	4/15/09	3/10/09	4/14/09
Date Received:	4/17/09	4/17/09	4/17/09	4/17/09
Units:	mg/kg	mg/kg	ug/l	ug/l
Date of Analysis:	4/23/09	4/22/09	4/18/09	4/18/09
Analyst:	BAM	BAM	BAM	BAM
Method:	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1
Dichlorodifluoromethane	< 0.1	< 0.1	< 5	< 5
Chloromethane	< 0.1	< 0.1	< 2	< 2
Vinyl chloride	< 0.1	< 0.1	< 2	< 2
Bromomethane	< 0.1	< 0.1	< 2	< 2
Chloroethane	< 0.1	< 0.1	< 5	< 5
Trichlorofluoromethane	< 0.1	< 0.1	< 5	< 5
Diethyl Ether	< 0.05	< 0.06	< 5	< 5
Acetone	< 2	< 2	< 10	< 10
1,1-Dichloroethene	< 0.05	< 0.06	< 1	< 1
Methylene chloride	< 0.1	< 0.1	< 5	< 5
Carbon disulfide	< 0.1	< 0.1	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.1	< 5	< 5
trans-1,2-Dichloroethene	< 0.05	< 0.06	< 2	< 2
1,1-Dichloroethane	< 0.05	< 0.06	< 2	< 2
2,2-Dichloropropane	< 0.05	< 0.06	< 2	< 2
cis-1,2-Dichloroethene	< 0.05	< 0.06	< 2	< 2
2-Butanone(MEK)	< 0.5	< 0.6	< 10	< 10
Bromochloromethane	< 0.05	< 0.06	< 2	< 2
Tetrahydrofuran(THF)	< 0.5	< 0.6	< 10	< 10
Chloroform	< 0.05	< 0.06	< 2	< 2
1,1,1-Trichloroethane	< 0.05	< 0.06	< 2	< 2
Carbon tetrachloride	< 0.05	< 0.06	< 2	< 2
1,1-Dichloropropene	< 0.05	< 0.06	< 2	< 2
Benzene	< 0.05	< 0.06	< 1	< 1
1,2-Dichloroethane	< 0.05	< 0.06	< 2	< 2
Trichloroethene	< 0.05	< 0.06	< 2	< 2
1,2-Dichloropropane	< 0.05	< 0.06	< 2	< 2
Dibromomethane	< 0.05	< 0.06	< 2	< 2
Bromodichloromethane	< 0.05	< 0.06	< 1	< 1
4-Methyl-2-pentanone(MIBK)	< 0.5	< 0.6	< 10	< 10
cis-1,3-Dichloropropene	< 0.05	< 0.06	< 1	< 1
Toluene	< 0.05	< 0.06	< 1	< 1
trans-1,3-Dichloropropene	< 0.05	< 0.06	< 1	< 1
1,1,2-Trichloroethane	< 0.05	< 0.06	< 2	< 2
2-Hexanone	< 0.1	< 0.1	< 10	< 10
Tetrachloroethene	< 0.05	< 0.06	< 2	< 2
1,3-Dichloropropane	< 0.05	< 0.06	< 2	< 2
Dibromochloromethane	< 0.05	< 0.06	< 2	< 2
1,2-Dibromoethane(EDB)	< 0.05	< 0.06	< 1	< 1
Chlorobenzene	< 0.05	< 0.06	< 2	< 2
1,1,1,2-Tetrachloroethane	< 0.05	< 0.06	< 2	< 2
Ethylbenzene	< 0.05	< 0.06	< 1	< 1
mp-Xylene	< 0.05	< 0.06	< 1	< 1
o-Xylene	< 0.05	< 0.06	< 1	< 1
Styrene	< 0.05	< 0.06	< 1	< 1
Bromoform	< 0.05	< 0.06	< 2	< 2

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-8 7-7.5'	MW-9 4.5-5.0'	Trip Blank	Sump
Lab Sample ID:	78234.12	78234.13	78234.14	78234.15
Matrix:	soil	soil	aqueous	aqueous
Date Sampled:	4/15/09	4/15/09	3/10/09	4/14/09
Date Received:	4/17/09	4/17/09	4/17/09	4/17/09
Units:	mg/kg	mg/kg	ug/l	ug/l
Date of Analysis:	4/23/09	4/22/09	4/18/09	4/18/09
Analyst:	BAM	BAM	BAM	BAM
Method:	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1
IsoPropylbenzene	< 0.05	< 0.06	< 1	< 1
Bromobenzene	< 0.05	< 0.06	< 2	< 2
1,1,2,2-Tetrachloroethane	< 0.05	< 0.06	< 2	< 2
1,2,3-Trichloropropane	< 0.05	< 0.06	< 2	< 2
n-Propylbenzene	< 0.05	< 0.06	< 1	< 1
2-Chlorotoluene	< 0.05	< 0.06	< 2	< 2
4-Chlorotoluene	< 0.05	< 0.06	< 2	< 2
1,3,5-Trimethylbenzene	< 0.05	< 0.06	< 1	< 1
tert-Butylbenzene	< 0.05	< 0.06	< 1	< 1
1,2,4-Trimethylbenzene	< 0.05	< 0.06	< 1	< 1
sec-Butylbenzene	< 0.05	< 0.06	< 1	< 1
1,3-Dichlorobenzene	< 0.05	< 0.06	< 1	< 1
p-Isopropyltoluene	< 0.05	< 0.06	< 1	< 1
1,4-Dichlorobenzene	< 0.05	< 0.06	< 1	< 1
1,2-Dichlorobenzene	< 0.05	< 0.06	< 1	< 1
n-Butylbenzene	< 0.05	< 0.06	< 1	< 1
1,2-Dibromo-3-chloropropane	< 0.05	< 0.06	< 1	< 1
1,2,4-Trichlorobenzene	< 0.05	< 0.06	< 1	< 1
Hexachlorobutadiene	< 0.05	< 0.06	< 1	< 1
Naphthalene	< 0.1	< 0.1	< 5	< 5
1,2,3-Trichlorobenzene	< 0.05	< 0.06	< 1	< 1
4-Bromofluorobenzene (surr)	**97 %R**	**99 %R**	**91 %R**	**92 %R**
1,2-Dichlorobenzene-d4 (surr)	**98 %R**	**102 %R**	**107 %R**	**107 %R**
Toluene-d8 (surr)	**94 %R**	**94 %R**	**94 %R**	**95 %R**

MW-9 4.5-5.0': Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.

Eastern Analytical, Inc. ID#:78234 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
Dichlorodifluoromethane	< 5			ug/l	4/18/09	8260B
Chloromethane	< 2			ug/l	4/18/09	8260B
Vinyl chloride	< 2			ug/l	4/18/09	8260B
Bromomethane	< 2			ug/l	4/18/09	8260B
Chloroethane	< 5			ug/l	4/18/09	8260B
Trichlorofluoromethane	< 5			ug/l	4/18/09	8260B
Diethyl Ether	< 5			ug/l	4/18/09	8260B
Acetone	< 10			ug/l	4/18/09	8260B
1,1-Dichloroethene	< 1	20 (100 %R)	20 (98 %R) (2 RPD)	ug/l	4/18/09	8260B
tert-Butyl Alcohol (TBA)	< 30			ug/l	4/18/09	8260B
Methylene chloride	< 5			ug/l	4/18/09	8260B
Carbon disulfide	< 5			ug/l	4/18/09	8260B
Methyl-t-butyl ether(MTBE)	< 5			ug/l	4/18/09	8260B
Ethyl-t-butyl ether(ETBE)	< 5			ug/l	4/18/09	8260B
Isopropyl ether(DIPE)	< 5			ug/l	4/18/09	8260B
tert-amyl methyl ether(TAME)	< 5			ug/l	4/18/09	8260B
trans-1,2-Dichloroethene	< 2			ug/l	4/18/09	8260B
1,1-Dichloroethane	< 2			ug/l	4/18/09	8260B
2,2-Dichloropropane	< 2			ug/l	4/18/09	8260B
cis-1,2-Dichloroethene	< 2			ug/l	4/18/09	8260B
2-Butanone(MEK)	< 10			ug/l	4/18/09	8260B
Bromochloromethane	< 2			ug/l	4/18/09	8260B
Tetrahydrofuran(THF)	< 10			ug/l	4/18/09	8260B
Chloroform	< 2			ug/l	4/18/09	8260B
1,1,1-Trichloroethane	< 2			ug/l	4/18/09	8260B
Carbon tetrachloride	< 2			ug/l	4/18/09	8260B
1,1-Dichloropropene	< 2			ug/l	4/18/09	8260B
Benzene	< 1	18 (91 %R)	18 (90 %R) (1 RPD)	ug/l	4/18/09	8260B
1,2-Dichloroethane	< 2			ug/l	4/18/09	8260B
Trichloroethene	< 2	19 (96 %R)	19 (94 %R) (2 RPD)	ug/l	4/18/09	8260B
1,2-Dichloropropane	< 2			ug/l	4/18/09	8260B
Dibromomethane	< 2			ug/l	4/18/09	8260B
Bromodichloromethane	< 0.5			ug/l	4/18/09	8260B
4-Methyl-2-pentanone(MIBK)	< 10			ug/l	4/18/09	8260B
cis-1,3-Dichloropropene	< 2			ug/l	4/18/09	8260B
Toluene	< 1	18 (88 %R)	17 (86 %R) (2 RPD)	ug/l	4/18/09	8260B
trans-1,3-Dichloropropene	< 2			ug/l	4/18/09	8260B
1,1,2-Trichloroethane	< 2			ug/l	4/18/09	8260B
2-Hexanone	< 10			ug/l	4/18/09	8260B
Tetrachloroethene	< 2			ug/l	4/18/09	8260B
1,3-Dichloropropane	< 2			ug/l	4/18/09	8260B
Dibromochloromethane	< 2			ug/l	4/18/09	8260B
1,2-Dibromoethane(EDB)	< 2			ug/l	4/18/09	8260B
Chlorobenzene	< 2	19 (97 %R)	19 (95 %R) (2 RPD)	ug/l	4/18/09	8260B

Eastern Analytical, Inc. ID#:78234 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
1,1,1,2-Tetrachloroethane	< 2			ug/l	4/18/09	8260B
Ethylbenzene	< 1			ug/l	4/18/09	8260B
mp-Xylene	< 1			ug/l	4/18/09	8260B
o-Xylene	< 1			ug/l	4/18/09	8260B
Styrene	< 1			ug/l	4/18/09	8260B
Bromoform	< 2			ug/l	4/18/09	8260B
IsoPropylbenzene	< 1			ug/l	4/18/09	8260B
Bromobenzene	< 2			ug/l	4/18/09	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	4/18/09	8260B
1,2,3-Trichloropropane	< 2			ug/l	4/18/09	8260B
n-Propylbenzene	< 1			ug/l	4/18/09	8260B
2-Chlorotoluene	< 2			ug/l	4/18/09	8260B
4-Chlorotoluene	< 2			ug/l	4/18/09	8260B
1,3,5-Trimethylbenzene	< 1			ug/l	4/18/09	8260B
tert-Butylbenzene	< 1			ug/l	4/18/09	8260B
1,2,4-Trimethylbenzene	< 1			ug/l	4/18/09	8260B
sec-Butylbenzene	< 1			ug/l	4/18/09	8260B
1,3-Dichlorobenzene	< 1			ug/l	4/18/09	8260B
p-Isopropyltoluene	< 1			ug/l	4/18/09	8260B
1,4-Dichlorobenzene	< 1			ug/l	4/18/09	8260B
1,2-Dichlorobenzene	< 1			ug/l	4/18/09	8260B
n-Butylbenzene	< 1			ug/l	4/18/09	8260B
1,2-Dibromo-3-chloropropane	< 2			ug/l	4/18/09	8260B
1,3,5-Trichlorobenzene	< 1			ug/l	4/18/09	8260B
1,2,4-Trichlorobenzene	< 1			ug/l	4/18/09	8260B
Hexachlorobutadiene	< 0.5			ug/l	4/18/09	8260B
Naphthalene	< 5			ug/l	4/18/09	8260B
1,2,3-Trichlorobenzene	< 1			ug/l	4/18/09	8260B
4-Bromofluorobenzene (surr)	91 %R	97 %R	96 %R	% Rec	4/18/09	8260B
1,2-Dichlorobenzene-d4 (surr)	107 %R	102 %R	102 %R	% Rec	4/18/09	8260B
Toluene-d8 (surr)	96 %R	95 %R	95 %R	% Rec	4/18/09	8260B

Eastern Analytical, Inc. ID#: 78234 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
Dichlorodifluoromethane	< 0.1			mg/kg	4/21/09	8260B
Chloromethane	< 0.1			mg/kg	4/21/09	8260B
Vinyl chloride	< 0.1			mg/kg	4/21/09	8260B
Bromomethane	< 0.1			mg/kg	4/21/09	8260B
Chloroethane	< 0.1			mg/kg	4/21/09	8260B
Trichlorofluoromethane	< 0.1			mg/kg	4/21/09	8260B
Diethyl Ether	< 0.05			mg/kg	4/21/09	8260B
Acetone	< 2			mg/kg	4/21/09	8260B
1,1-Dichloroethene	< 0.05	1.3 (126 %R)	1.1 (110 %R) (14 RPD)	mg/kg	4/21/09	8260B
Methylene chloride	< 0.1			mg/kg	4/21/09	8260B
Carbon disulfide	< 0.1			mg/kg	4/21/09	8260B
Methyl-t-butyl ether(MTBE)	< 0.1			mg/kg	4/21/09	8260B
trans-1,2-Dichloroethene	< 0.05			mg/kg	4/21/09	8260B
1,1-Dichloroethane	< 0.05			mg/kg	4/21/09	8260B
2,2-Dichloropropane	< 0.05			mg/kg	4/21/09	8260B
cis-1,2-Dichloroethene	< 0.05			mg/kg	4/21/09	8260B
2-Butanone(MEK)	< 0.5			mg/kg	4/21/09	8260B
Bromochloromethane	< 0.05			mg/kg	4/21/09	8260B
Tetrahydrofuran(THF)	< 0.5			mg/kg	4/21/09	8260B
Chloroform	< 0.05			mg/kg	4/21/09	8260B
1,1,1-Trichloroethane	< 0.05			mg/kg	4/21/09	8260B
Carbon tetrachloride	< 0.05			mg/kg	4/21/09	8260B
1,1-Dichloropropene	< 0.05			mg/kg	4/21/09	8260B
Benzene	< 0.05	1.1 (108 %R)	0.98 (98 %R) (10 RPD)	mg/kg	4/21/09	8260B
1,2-Dichloroethane	< 0.05			mg/kg	4/21/09	8260B
Trichloroethene	< 0.05	1.2 (119 %R)	1.1 (108 %R) (10 RPD)	mg/kg	4/21/09	8260B
1,2-Dichloropropane	< 0.05			mg/kg	4/21/09	8260B
Dibromomethane	< 0.05			mg/kg	4/21/09	8260B
Bromodichloromethane	< 0.05			mg/kg	4/21/09	8260B
4-Methyl-2-pentanone(MIBK)	< 0.5			mg/kg	4/21/09	8260B
cis-1,3-Dichloropropene	< 0.05			mg/kg	4/21/09	8260B
Toluene	< 0.05	1.1 (113 %R)	1.0 (103 %R) (9 RPD)	mg/kg	4/21/09	8260B
trans-1,3-Dichloropropene	< 0.05			mg/kg	4/21/09	8260B
1,1,2-Trichloroethane	< 0.05			mg/kg	4/21/09	8260B
2-Hexanone	< 0.1			mg/kg	4/21/09	8260B
Tetrachloroethene	< 0.05			mg/kg	4/21/09	8260B
1,3-Dichloropropane	< 0.05			mg/kg	4/21/09	8260B
Dibromochloromethane	< 0.05			mg/kg	4/21/09	8260B
1,2-Dibromoethane(EDB)	< 0.05			mg/kg	4/21/09	8260B
Chlorobenzene	< 0.05	1.2 (120 %R)	1.1 (109 %R) (10 RPD)	mg/kg	4/21/09	8260B
1,1,1,2-Tetrachloroethane	< 0.05			mg/kg	4/21/09	8260B
Ethylbenzene	< 0.05			mg/kg	4/21/09	8260B
mp-Xylene	< 0.05			mg/kg	4/21/09	8260B
o-Xylene	< 0.05			mg/kg	4/21/09	8260B

Eastern Analytical, Inc. ID#: 78234 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
Styrene	< 0.05			mg/kg	4/21/09	8260B
Bromoform	< 0.05			mg/kg	4/21/09	8260B
IsoPropylbenzene	< 0.05			mg/kg	4/21/09	8260B
Bromobenzene	< 0.05			mg/kg	4/21/09	8260B
1,1,2,2-Tetrachloroethane	< 0.05			mg/kg	4/21/09	8260B
1,2,3-Trichloropropane	< 0.05			mg/kg	4/21/09	8260B
n-Propylbenzene	< 0.05			mg/kg	4/21/09	8260B
2-Chlorotoluene	< 0.05			mg/kg	4/21/09	8260B
4-Chlorotoluene	< 0.05			mg/kg	4/21/09	8260B
1,3,5-Trimethylbenzene	< 0.05			mg/kg	4/21/09	8260B
tert-Butylbenzene	< 0.05			mg/kg	4/21/09	8260B
1,2,4-Trimethylbenzene	< 0.05			mg/kg	4/21/09	8260B
sec-Butylbenzene	< 0.05			mg/kg	4/21/09	8260B
1,3-Dichlorobenzene	< 0.05			mg/kg	4/21/09	8260B
p-Isopropyltoluene	< 0.05			mg/kg	4/21/09	8260B
1,4-Dichlorobenzene	< 0.05			mg/kg	4/21/09	8260B
1,2-Dichlorobenzene	< 0.05			mg/kg	4/21/09	8260B
n-Butylbenzene	< 0.05			mg/kg	4/21/09	8260B
1,2-Dibromo-3-chloropropane	< 0.05			mg/kg	4/21/09	8260B
1,2,4-Trichlorobenzene	< 0.05			mg/kg	4/21/09	8260B
Hexachlorobutadiene	< 0.05			mg/kg	4/21/09	8260B
Naphthalene	< 0.1			mg/kg	4/21/09	8260B
1,2,3-Trichlorobenzene	< 0.05			mg/kg	4/21/09	8260B
4-Bromofluorobenzene (surr)	97 %R	98 %R	99 %R	% Rec	4/21/09	8260B
1,2-Dichlorobenzene-d4 (surr)	100 %R	103 %R	104 %R	% Rec	4/21/09	8260B
Toluene-d8 (surr)	96 %R	95 %R	94 %R	% Rec	4/21/09	8260B

Eastern Analytical, Inc. ID#: 78234 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Solid	RPD	Aqueous	RPD
Units:	%	%	%	%
EPA Method	8260B		8260B	
Surrogate Recovery				
4-Bromofluorobenzene	74-121		86-115	
1,2-Dichlorobenzene-D4	80-120		80-120	
Toluene-d8	70-130		70-130	
Matrix Spike Recovery				
1,1-Dichloroethene	59-172	30	61-145	20
Trichloroethene	62-137	30	71-120	20
Benzene	66-142	30	76-127	20
Toluene	59-139	30	76-125	20
Chlorobenzene	60-133	30	75-130	20

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

SB-08 1.5-2.0': Non target interference in the sample resulted in recovery outside of the acceptance control limits of 74-121%R for the surrogate 4-Bromofluorobenzene (surr) and 80-120%R for the surrogate 1,2-Dichlorobenzene-d4 (surr).

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-AST-1 0-0.5'	SS-AST-1 1.5- 2.0'	MW-1 3.5-4.0'	MW-8 7-7.5'	MW-9 4.5-5.0'
Lab Sample ID:	78234.01	78234.02	78234.04	78234.12	78234.13
Matrix:	soil	soil	soil	soil	soil
Date Sampled:	4/14/09	4/14/09	4/14/09	4/15/09	4/15/09
Date Received:	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	4/23/09	4/23/09	4/24/09	4/24/09	4/24/09
Date of Analysis:	4/29/09	4/29/09	4/29/09	4/29/09	4/29/09
Analyst:	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1
Naphthalene	**0.05**	**0.06**	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	**0.10**	**0.13**	< 0.02	< 0.02	< 0.02
Acenaphthylene	**0.07**	**0.12**	< 0.02	< 0.02	**0.06**
Acenaphthene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	< 0.02	< 0.02	< 0.02	< 0.02	**0.03**
Phenanthrene	**0.05**	**0.04**	< 0.02	< 0.02	**0.27**
Anthracene	**0.13**	**0.09**	< 0.02	< 0.02	**0.09**
Fluoranthene	**0.02**	**0.05**	< 0.02	< 0.02	**0.62**
Pyrene	**0.05**	**0.07**	< 0.02	< 0.02	**0.46**
Benzo[a]anthracene	< 0.02	< 0.02	< 0.02	< 0.02	**0.28**
Chrysene	**0.02**	**0.23**	< 0.02	< 0.02	**0.30**
Benzo[b]fluoranthene	**0.03**	**0.08**	< 0.02	< 0.02	**0.41**
Benzo[k]fluoranthene	< 0.02	**0.02**	< 0.02	< 0.02	**0.14**
Benzo[a]pyrene	**0.02**	**0.07**	< 0.01	< 0.01	**0.28**
Indeno[1,2,3-cd]pyrene	**0.05**	**0.17**	< 0.02	< 0.02	**0.15**
Dibenz[a,h]anthracene	< 0.02	**0.03**	< 0.02	< 0.02	**0.04**
Benzo[g,h,i]perylene	**0.07**	**0.20**	< 0.02	< 0.02	**0.13**
p-Terphenyl-D14 (surr)	**37 %R**	**47 %R**	**50 %R**	**49 %R**	**49 %R**

SS-AST-1 0-0.5': The sample demonstrated low internal standard response of 1,4-Dichlorobenzene-d4, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12, and Perylene-d12. Sample matrix interference is suspected.

SS-AST-1 1.5-2.0': The sample demonstrated low internal standard response of Chrysene-d12 and Perylene-d12. Sample matrix interference is suspected.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234 **Batch ID:** 733521-35552/S042409PAH1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Naphthalene	< 0.02	0.29 (44 %R)	0.31 (46 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
2-Methylnaphthalene	< 0.02	0.31 (47 %R)	0.33 (50 %R) (6 RPD)	mg/kg	30 - 160	50	8270D
Acenaphthylene	< 0.02	0.35 (52 %R)	0.36 (54 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
Acenaphthene	< 0.02	0.34 (51 %R)	0.35 (52 %R) (2 RPD)	mg/kg	31 - 137	19	8270D
Fluorene	< 0.02	0.34 (51 %R)	0.34 (51 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
Phenanthrene	< 0.02	0.31 (47 %R)	0.33 (49 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
Anthracene	< 0.02	0.32 (48 %R)	0.33 (49 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
Fluoranthene	< 0.02	0.36 (54 %R)	0.36 (54 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
Pyrene	< 0.02	0.35 (52 %R)	0.35 (53 %R) (2 RPD)	mg/kg	35 - 142	36	8270D
Benzo[a]anthracene	< 0.02	0.32 (49 %R)	0.33 (49 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
Chrysene	< 0.02	0.36 (53 %R)	0.36 (54 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
Benzo[b]fluoranthene	< 0.02	0.35 (52 %R)	0.36 (54 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
Benzo[k]fluoranthene	< 0.02	0.37 (56 %R)	0.37 (55 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
Benzo[a]pyrene	< 0.01	0.36 (54 %R)	0.36 (53 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
Indeno[1,2,3-cd]pyrene	< 0.02	0.38 (57 %R)	0.38 (57 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
Dibenz[a,h]anthracene	< 0.02	0.33 (50 %R)	0.33 (50 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
Benzo[g,h,i]perylene	< 0.02	0.38 (56 %R)	0.37 (56 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
p-Terphenyl-D14 (surr)	52 %R	58 %R	51 %R	mg/kg	18 - 137		8270D

Eastern Analytical, Inc. ID#: 78234 **Batch ID:** 733520-58281/S042309PAH1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Naphthalene	< 0.02	1.8 (54 %R)	1.8 (54 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
2-Methylnaphthalene	< 0.02	1.9 (56 %R)	1.9 (57 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
Acenaphthylene	< 0.02	2.0 (60 %R)	2.0 (61 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
Acenaphthene	< 0.02	2.0 (59 %R)	2.0 (60 %R) (2 RPD)	mg/kg	31 - 137	19	8270D
Fluorene	< 0.02	2.2 (67 %R)	2.2 (67 %R) (0 RPD)	mg/kg	30 - 160	50	8270D
Phenanthrene	< 0.02	2.5 (75 %R)	2.4 (72 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
Anthracene	< 0.02	2.4 (72 %R)	2.3 (70 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Fluoranthene	< 0.02	2.8 (85 %R)	2.7 (82 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
Pyrene	< 0.02	2.3 (70 %R)	2.2 (67 %R) (4 RPD)	mg/kg	35 - 142	36	8270D
Benzo[a]anthracene	< 0.02	2.5 (76 %R)	2.5 (74 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Chrysene	< 0.02	2.7 (80 %R)	2.6 (78 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Benzo[b]fluoranthene	< 0.02	2.5 (74 %R)	2.4 (72 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Benzo[k]fluoranthene	< 0.02	2.5 (74 %R)	2.4 (72 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Benzo[a]pyrene	< 0.02	2.5 (76 %R)	2.5 (74 %R) (3 RPD)	mg/kg	30 - 160	50	8270D
Indeno[1,2,3-cd]pyrene	< 0.02	2.9 (88 %R)	2.9 (86 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
Dibenz[a,h]anthracene	< 0.02	2.9 (86 %R)	2.8 (85 %R) (1 RPD)	mg/kg	30 - 160	50	8270D
Benzo[g,h,i]perylene	< 0.02	2.8 (83 %R)	2.7 (81 %R) (2 RPD)	mg/kg	30 - 160	50	8270D
p-Terphenyl-D14 (surr)	61 %R	72 %R	69 %R	mg/kg	18 - 137		8270D

Eastern Analytical, Inc. ID#: 78234 **Batch ID:** 733521-35552/S042409PAH1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Polynuclear Aromatic Hydrocarbons QA/QC and Narrative Report

Matrix:	Aqueous	RPD	Solid	RPD	Oil	RPD
Units:	%	%	%	%	%	%
EPA Method:	8270D		8270D		8270D	
Naphthalene	30-160		30-160		30-160	
2-Methylnaphthalene	30-160		30-160		30-160	
Acenaphthylene	30-160		30-160		30-160	
Acenaphthene	46-118	31	31-137	19	30-160	50
Fluorene	30-160		30-160		30-160	
Phenanthrene	30-160		30-160		30-160	
Anthracene	30-160		30-160		30-160	
Fluoranthene	30-160		30-160		30-160	
Pyrene	26-127	31	35-142	36	30-160	50
Benzo[a]anthracene	30-160		30-160		30-160	
Chrysene	30-160		30-160		30-160	
Benzo[b]fluoranthene	30-160		30-160		30-160	
Benzo[k]fluoranthene	30-160		30-160		30-160	
Benzo[a]pyrene	30-160		30-160		30-160	
Indeno[1,2,3-cd]pyrene	30-160		30-160		30-160	
Dibenz[a,h]anthracene	30-160		30-160		30-160	
Benzo[g,h,i]perylene	30-160		30-160		30-160	
Surrogate (p-Terphenyl-D14)	33-141		18-137		30-160	

Samples were extracted and analyzed within holding time limits.
Instrumentation was tuned and calibrated in accordance with the method requirements.
The associated method blank(s) were free of contamination at the reporting limit.
Sample Surrogate Recoveries met the above stated criteria.
The associated matrix spike(s) and/or Laboratory Control Sample(s) met the above stated criteria.
There were no exceptions in the analyses, unless noted below.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SB-08 1.5-2.0'	MW-2 12-13'	MW-3 13-14'	MW-4 13-14'	MW-5 11-12'	MW-6 7.5-8.0'	MW-7 6.5-7.0'
Lab Sample ID:	78234.03	78234.06	78234.07	78234.08	78234.09	78234.1	78234.11
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	4/15/09	4/14/09	4/14/09	4/14/09	4/14/09	4/15/09	4/15/09
Date Received:	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Preparation	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Date of Analysis:	4/30/09	4/29/09	4/29/09	4/29/09	4/29/09	4/30/09	4/29/09
Analyst:	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	24	1	2	1	1	13	1
Phenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
2-Chlorophenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
2,4-Dichlorophenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
2,4,5-Trichlorophenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
2,4,6-Trichlorophenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Pentachlorophenol	< 4	< 1	< 1	< 1	< 1	< 2	< 1
2-Nitrophenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
4-Nitrophenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
2,4-Dinitrophenol	< 20	< 1	< 1	< 1	< 1	< 10	< 1
2-Methylphenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
3/4-Methylphenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
2,4-Dimethylphenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
4-Chloro-3-methylphenol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
4,6-Dinitro-2-methylphenol	< 4	< 1	< 1	< 1	< 1	< 2	< 1
Benzoic Acid	7	< 1	< 1	< 1	< 1	< 2	< 1
N-Nitrosodimethylamine	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
n-Nitroso-di-n-propylamine	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
n-Nitrosodiphenylamine	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
bis(2-Chloroethyl)ether	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
bis(2-chloroisopropyl)ether	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
bis(2-Chloroethoxy)methane	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
1,3-Dichlorobenzene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
1,4-Dichlorobenzene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
1,2-Dichlorobenzene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
1,2,4-Trichlorobenzene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
2-Chloronaphthalene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
4-Chlorophenyl-phenylether	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
4-Bromophenyl-phenylether	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Hexachloroethane	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Hexachlorobutadiene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Hexachlorocyclopentadiene	< 4	< 1	< 1	< 1	< 1	< 2	< 1
Hexachlorobenzene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
4-Chloroaniline	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
2-Nitroaniline	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
3-Nitroaniline	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
4-Nitroaniline	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Benzyl alcohol	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Nitrobenzene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Isophorone	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
2,4-Dinitrotoluene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
2,6-Dinitrotoluene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Benzidine	< 0.8	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
3,3'-Dichlorobenzidine	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Pyridine	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Azobenzene	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SB-08 1.5-2.0'	MW-2 12-13'	MW-3 13-14'	MW-4 13-14'	MW-5 11-12'	MW-6 7.5-8.0'	MW-7 6.5-7.0'
Lab Sample ID:	78234.03	78234.06	78234.07	78234.08	78234.09	78234.1	78234.11
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	4/15/09	4/14/09	4/14/09	4/14/09	4/14/09	4/15/09	4/15/09
Date Received:	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09	4/17/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Preparation	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Date of Analysis:	4/30/09	4/29/09	4/29/09	4/29/09	4/29/09	4/30/09	4/29/09
Analyst:	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	24	1	2	1	1	13	1
Carbazole	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Dimethylphthalate	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Diethylphthalate	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Di-n-butylphthalate	< 0.8	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Butylbenzylphthalate	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
bis(2-Ethylhexyl)phthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Di-n-octylphthalate	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Dibenzofuran	< 0.8	< 0.2	< 0.2	< 0.2	< 0.2	< 0.4	< 0.2
Naphthalene	**1.5**	< 0.02	< 0.02	**0.05**	< 0.02	< 0.04	< 0.02
2-Methylnaphthalene	**11**	< 0.02	< 0.02	**0.05**	< 0.02	< 0.04	< 0.02
Acenaphthylene	**0.21**	< 0.02	< 0.02	**0.07**	< 0.02	< 0.04	< 0.02
Acenaphthene	**0.54**	< 0.02	< 0.02	< 0.02	< 0.02	**0.05**	< 0.02
Fluorene	**1.9**	< 0.02	< 0.02	**0.04**	< 0.02	**0.34**	< 0.02
Phenanthrene	**4.2**	< 0.02	< 0.02	**0.28**	< 0.02	**0.52**	< 0.02
Anthracene	< 0.08	< 0.02	< 0.02	**0.08**	< 0.02	< 0.04	< 0.02
Fluoranthene	**0.20**	< 0.02	< 0.02	**0.52**	< 0.02	**0.04**	< 0.02
Pyrene	**0.60**	< 0.02	< 0.02	**0.45**	< 0.02	**0.10**	< 0.02
Benzo[a]anthracene	< 0.08	< 0.02	< 0.02	**0.24**	< 0.02	**0.04**	< 0.02
Chrysene	< 0.08	< 0.02	< 0.02	**0.29**	< 0.02	< 0.04	< 0.02
Benzo[b]fluoranthene	< 0.08	< 0.02	< 0.02	**0.43**	< 0.02	< 0.04	< 0.02
Benzo[k]fluoranthene	< 0.08	< 0.02	< 0.02	**0.16**	< 0.02	< 0.04	< 0.02
Benzo[a]pyrene	< 0.08	< 0.01	< 0.01	**0.29**	< 0.01	< 0.04	< 0.01
Indeno[1,2,3-cd]pyrene	< 0.08	< 0.02	< 0.02	**0.16**	< 0.02	< 0.04	< 0.02
Dibenz[a,h]anthracene	< 0.08	< 0.02	< 0.02	**0.04**	< 0.02	< 0.04	< 0.02
Benzo[g,h,i]perylene	< 0.08	< 0.02	< 0.02	**0.14**	< 0.02	< 0.04	< 0.02
2-Fluorophenol (surr)	**DOR**	**42 %R**	**44 %R**	**40 %R**	**45 %R**	**72 %R**	**35 %R**
Phenol-d6 (surr)	**DOR**	**45 %R**	**45 %R**	**43 %R**	**45 %R**	**81 %R**	**34 %R**
2,4,6-Tribromophenol (surr)	**DOR**	**68 %R**	**58 %R**	**61 %R**	**66 %R**	**116 %R**	**66 %R**
Nitrobenzene-D5 (surr)	**DOR**	**44 %R**	**46 %R**	**40 %R**	**43 %R**	**18 %R**	**34 %R**
2-Fluorobiphenyl (surr)	**DOR**	**50 %R**	**38 %R**	**40 %R**	**49 %R**	**26 %R**	**39 %R**
p-Terphenyl-D14 (surr)	**DOR**	**54 %R**	**44 %R**	**44 %R**	**50 %R**	**26 %R**	**52 %R**

DOR: Diluted out of calibration range.

SB-08 1.5-2.0', MW-6 7.5-8.0: A dilution was required due to high levels of non-target analytes.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	Sump
Lab Sample ID:	78234.15
Matrix:	aqueous
Date Sampled:	4/14/09
Date Received:	4/17/09
Units:	ug/l
Date of Extraction/Prep:	4/21/09
Date of Analysis:	4/28/09
Analyst:	BML
Method:	8270D
Dilution Factor:	1

Phenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4,5-Trichlorophenol	< 1
2,4,6-Trichlorophenol	< 1
Pentachlorophenol	< 5
2-Nitrophenol	< 1
4-Nitrophenol	< 5
2,4-Dinitrophenol	< 5
2-Methylphenol	< 1
3/4-Methylphenol	< 1
2,4-Dimethylphenol	< 1
4-Chloro-3-methylphenol	< 1
4,6-Dinitro-2-methylphenol	< 5
Benzoic Acid	< 5
2-Fluorophenol (surr)	**51 %R**
Phenol-d6 (surr)	**34 %R**
2,4,6-Tribromophenol (surr)	**79 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	Sump
Lab Sample ID:	78234.15
Matrix:	aqueous
Date Sampled:	4/14/09
Date Received:	4/17/09
Units:	ug/l
Date of Extraction/Prep:	4/21/09
Date of Analysis:	4/28/09
Analyst:	BML
Method:	8270D
Dilution Factor:	1

N-Nitrosodimethylamine	< 1
n-Nitroso-di-n-propylamine	< 1
n-Nitrosodiphenylamine	< 1
bis(2-Chloroethyl)ether	< 1
bis(2-chloroisopropyl)ether	< 1
bis(2-Chloroethoxy)methane	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
1,2-Dichlorobenzene	< 1
1,2,4-Trichlorobenzene	< 1
2-Chloronaphthalene	< 1
4-Chlorophenyl-phenylether	< 1
4-Bromophenyl-phenylether	< 1
Hexachloroethane	< 1
Hexachlorobutadiene	< 1
Hexachlorocyclopentadiene	< 5
Hexachlorobenzene	< 1
4-Chloroaniline	< 1
2-Nitroaniline	< 5
3-Nitroaniline	< 1
4-Nitroaniline	< 1
Benzyl alcohol	< 1
Nitrobenzene	< 1
Isophorone	< 1
2,4-Dinitrotoluene	< 1
2,6-Dinitrotoluene	< 1
Benzidine	< 5
3,3'-Dichlorobenzidine	< 1
Pyridine	< 5
Azobenzene	< 1
Carbazole	< 1
Dimethylphthalate	< 1
Diethylphthalate	< 1
Di-n-butylphthalate	< 5
Butylbenzylphthalate	< 1
bis(2-Ethylhexyl)phthalate	< 5
Di-n-octylphthalate	< 1
Dibenzofuran	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	Sump
Lab Sample ID:	78234.15
Matrix:	aqueous
Date Sampled:	4/14/09
Date Received:	4/17/09
Units:	ug/l
Date of Extraction/Prep:	4/21/09
Date of Analysis:	4/28/09
Analyst:	BML
Method:	8270D
Dilution Factor:	1

Naphthalene	< 0.1
2-Methylnaphthalene	< 0.1
Acenaphthylene	< 0.1
Acenaphthene	< 0.1
Fluorene	< 0.1
Phenanthrene	< 0.1
Anthracene	< 0.1
Fluoranthene	< 0.1
Pyrene	< 0.1
Benzo[a]anthracene	< 0.1
Chrysene	< 0.1
Benzo[b]fluoranthene	< 0.1
Benzo[k]fluoranthene	< 0.1
Benzo[a]pyrene	< 0.1
Indeno[1,2,3-cd]pyrene	< 0.1
Dibenz[a,h]anthracene	< 0.1
Benzo[g,h,i]perylene	< 0.1
Nitrobenzene-D5 (surr)	**72 %R**
2-Fluorobiphenyl (surr)	**71 %R**
p-Terphenyl-D14 (surr)	**75 %R**

Eastern Analytical, Inc. ID#: 78234 **Batch ID:** 733519-45831/S042209ABN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Phenol	< 0.2	0.8 (47 %R)	0.7 (45 %R) (4 RPD)	mg/kg	26 - 90	35	8270D
2-Chlorophenol	< 0.2	0.8 (49 %R)	0.7 (44 %R) (11 RPD)	mg/kg	25 - 102	50	8270D
2,4-Dichlorophenol	< 0.2			mg/kg			8270D
2,4,5-Trichlorophenol	< 0.2			mg/kg			8270D
2,4,6-Trichlorophenol	< 0.2			mg/kg			8270D
Pentachlorophenol	< 1	1 (70 %R)	1 (66 %R) (6 RPD)	mg/kg	17 - 109	47	8270D
2-Nitrophenol	< 0.2			mg/kg			8270D
4-Nitrophenol	< 0.2	1.1 (64 %R)	1.0 (59 %R) (8 RPD)	mg/kg	11 - 114	50	8270D
2,4-Dinitrophenol	< 1			mg/kg			8270D
2-Methylphenol	< 0.2			mg/kg			8270D
3/4-Methylphenol	< 0.2			mg/kg			8270D
2,4-Dimethylphenol	< 0.2			mg/kg			8270D
4-Chloro-3-methylphenol	< 0.2	0.9 (52 %R)	0.8 (50 %R) (4 RPD)	mg/kg	26 - 103	33	8270D
4,6-Dinitro-2-methylphenol	< 1			mg/kg			8270D
Benzoic Acid	< 1			mg/kg			8270D
N-Nitrosodimethylamine	< 0.2			mg/kg			8270D
n-Nitroso-di-n-propylamine	< 0.2	0.4 (53 %R)	0.4 (51 %R) (4 RPD)	mg/kg	41 - 126	38	8270D
n-Nitrosodiphenylamine	< 0.2			mg/kg			8270D
bis(2-Chloroethyl)ether	< 0.2			mg/kg			8270D
bis(2-chloroisopropyl)ether	< 0.2			mg/kg			8270D
bis(2-Chloroethoxy)methane	< 0.2			mg/kg			8270D
1,3-Dichlorobenzene	< 0.2			mg/kg			8270D
1,4-Dichlorobenzene	< 0.2	0.4 (48 %R)	0.4 (44 %R) (9 RPD)	mg/kg	28 - 97	27	8270D
1,2-Dichlorobenzene	< 0.2			mg/kg			8270D
1,2,4-Trichlorobenzene	< 0.2	0.4 (50 %R)	0.4 (48 %R) (4 RPD)	mg/kg	38 - 107	23	8270D
2-Chloronaphthalene	< 0.2			mg/kg			8270D
4-Chlorophenyl-phenylether	< 0.2			mg/kg			8270D
4-Bromophenyl-phenylether	< 0.2			mg/kg			8270D
Hexachloroethane	< 0.2			mg/kg			8270D
Hexachlorobutadiene	< 0.2			mg/kg			8270D
Hexachlorocyclopentadiene	< 1			mg/kg			8270D
Hexachlorobenzene	< 0.2			mg/kg			8270D
4-Chloroaniline	< 0.2			mg/kg			8270D
2-Nitroaniline	< 0.2			mg/kg			8270D
3-Nitroaniline	< 0.2			mg/kg			8270D
4-Nitroaniline	< 0.2			mg/kg			8270D
Benzyl alcohol	< 0.2			mg/kg			8270D
Nitrobenzene	< 0.2			mg/kg			8270D
Isophorone	< 0.2			mg/kg			8270D
2,4-Dinitrotoluene	< 0.2	0.5 (59 %R)	0.5 (57 %R) (3 RPD)	mg/kg	28 - 89	47	8270D
2,6-Dinitrotoluene	< 0.2			mg/kg			8270D
Benzidine	< 0.4			mg/kg			8270D
3,3'-Dichlorobenzidine	< 0.2			mg/kg			8270D
Pyridine	< 0.2			mg/kg			8270D
Azobenzene	< 0.2			mg/kg			8270D

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234 **Batch ID:** 733519-45831/S042209ABN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Carbazole	< 0.2			mg/kg			8270D
Dimethylphthalate	< 0.2			mg/kg			8270D
Diethylphthalate	< 0.2			mg/kg			8270D
Di-n-butylphthalate	< 0.5	0.6 (%R)	0.5 (%R) (RPD)	mg/kg			8270D
Butylbenzylphthalate	< 0.2			mg/kg			8270D
bis(2-Ethylhexyl)phthalate	< 1			mg/kg			8270D
Di-n-octylphthalate	< 0.2			mg/kg			8270D
Dibenzofuran	< 0.2			mg/kg			8270D
Naphthalene	< 0.02			mg/kg			8270D
2-Methylnaphthalene	< 0.02			mg/kg			8270D
Acenaphthylene	< 0.02			mg/kg			8270D
Acenaphthene	< 0.02	0.46 (55 %R)	0.42 (51 %R) (8 RPD)	mg/kg	31 - 137	19	8270D
Fluorene	< 0.02			mg/kg			8270D
Phenanthrene	< 0.02			mg/kg			8270D
Anthracene	< 0.02			mg/kg			8270D
Fluoranthene	< 0.02			mg/kg			8270D
Pyrene	< 0.02	0.52 (63 %R)	0.49 (59 %R) (7 RPD)	mg/kg	35 - 142	36	8270D
Benzo[a]anthracene	< 0.02			mg/kg			8270D
Chrysene	< 0.02			mg/kg			8270D
Benzo[b]fluoranthene	< 0.02			mg/kg			8270D
Benzo[k]fluoranthene	< 0.02			mg/kg			8270D
Benzo[a]pyrene	< 0.01			mg/kg			8270D
Indeno[1,2,3-cd]pyrene	< 0.02			mg/kg			8270D
Dibenz[a,h]anthracene	< 0.02			mg/kg			8270D
Benzo[g,h,i]perylene	< 0.02			mg/kg			8270D
2-Fluorophenol (surr)	45 %R	44 %R	40 %R	mg/kg	25 - 121		8270D
Phenol-d6 (surr)	48 %R	46 %R	43 %R	mg/kg	24 - 113		8270D
2,4,6-Tribromophenol (surr)	64 %R	65 %R	59 %R	mg/kg	19 - 122		8270D
Nitrobenzene-D5 (surr)	48 %R	47 %R	45 %R	mg/kg	23 - 120		8270D
2-Fluorobiphenyl (surr)	52 %R	51 %R	48 %R	mg/kg	30 - 115		8270D
p-Terphenyl-D14 (surr)	56 %R	58 %R	54 %R	mg/kg	18 - 137		8270D

Eastern Analytical, Inc. ID#: 78234 **Batch ID:** 733518-38562/A042109AcidC1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Phenol	< 1	9 (36 %R)	9 (37 %R) (3 RPD)	ug/l	12 - 110	42	8270D
2-Chlorophenol	< 1	19 (76 %R)	19 (78 %R) (3 RPD)	ug/l	27 - 123	40	8270D
2,4-Dichlorophenol	< 1	19 (%R)	19 (%R) (RPD)	ug/l			8270D
2,4,5-Trichlorophenol	< 1	19 (%R)	19 (%R) (RPD)	ug/l			8270D
2,4,6-Trichlorophenol	< 1	18 (%R)	18 (%R) (RPD)	ug/l			8270D
Pentachlorophenol	< 5	17 (66 %R)	15 (61 %R) (8 RPD)	ug/l	9 - 103	50	8270D
2-Nitrophenol	< 1	18 (%R)	18 (%R) (RPD)	ug/l			8270D
4-Nitrophenol	< 5	7 (30 %R)	6 (25 %R) (18 RPD)	ug/l	10 - 80	50	8270D
2,4-Dinitrophenol	< 5	13 (%R)	12 (%R) (RPD)	ug/l			8270D
2-Methylphenol	< 1	17 (%R)	17 (%R) (RPD)	ug/l			8270D
3/4-Methylphenol	< 1	16 (%R)	16 (%R) (RPD)	ug/l			8270D
2,4-Dimethylphenol	< 1	17 (%R)	18 (%R) (RPD)	ug/l			8270D
4-Chloro-3-methylphenol	< 1	17 (70 %R)	18 (70 %R) (0 RPD)	ug/l	23 - 97	42	8270D
4,6-Dinitro-2-methylphenol	< 5	14 (%R)	13 (%R) (RPD)	ug/l			8270D
Benzoic Acid	< 5			ug/l			8270D
2-Fluorophenol (surr)	53 %R	55 %R	55 %R	% Rec	21 - 110		8270D
Phenol-d6 (surr)	34 %R	36 %R	36 %R	% Rec	10 - 94		8270D
2,4,6-Tribromophenol (surr)	69 %R	86 %R	86 %R	% Rec	10 - 123		8270D

Eastern Analytical, Inc. ID#: 78234 **Batch ID:** 733518-38708/A042109BaseN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
N-Nitrosodimethylamine	< 1	7 (%R)	7 (%R) (RPD)	ug/l			8270D
n-Nitroso-di-n-propylamine	< 1	21 (82 %R)	20 (81 %R) (1 RPD)	ug/l	41 - 116	38	8270D
n-Nitrosodiphenylamine	< 1	22 (%R)	24 (%R) (RPD)	ug/l			8270D
bis(2-Chloroethyl)ether	< 1	20 (%R)	21 (%R) (RPD)	ug/l			8270D
bis(2-chloroisopropyl)ether	< 1	20 (%R)	21 (%R) (RPD)	ug/l			8270D
bis(2-Chloroethoxy)methane	< 1	19 (%R)	19 (%R) (RPD)	ug/l			8270D
1,3-Dichlorobenzene	< 1	16 (%R)	17 (%R) (RPD)	ug/l			8270D
1,4-Dichlorobenzene	< 1	17 (66 %R)	18 (72 %R) (9 RPD)	ug/l	36 - 97	28	8270D
1,2-Dichlorobenzene	< 1	17 (%R)	18 (%R) (RPD)	ug/l			8270D
1,2,4-Trichlorobenzene	< 1	16 (66 %R)	18 (72 %R) (9 RPD)	ug/l	39 - 98	28	8270D
2-Chloronaphthalene	< 1	17 (%R)	18 (%R) (RPD)	ug/l			8270D
4-Chlorophenyl-phenylether	< 1	17 (%R)	18 (%R) (RPD)	ug/l			8270D
4-Bromophenyl-phenylether	< 1	17 (%R)	18 (%R) (RPD)	ug/l			8270D
Hexachloroethane	< 1	15 (%R)	16 (%R) (RPD)	ug/l			8270D
Hexachlorobutadiene	< 1	14 (%R)	14 (%R) (RPD)	ug/l			8270D
Hexachlorocyclopentadiene	< 5	12 (%R)	14 (%R) (RPD)	ug/l			8270D
Hexachlorobenzene	< 1	17 (%R)	18 (%R) (RPD)	ug/l			8270D
4-Chloroaniline	< 1	20 (%R)	20 (%R) (RPD)	ug/l			8270D
2-Nitroaniline	< 5	21 (%R)	20 (%R) (RPD)	ug/l			8270D
3-Nitroaniline	< 1	18 (%R)	18 (%R) (RPD)	ug/l			8270D
4-Nitroaniline	< 1	18 (%R)	17 (%R) (RPD)	ug/l			8270D
Benzyl alcohol	< 1	15 (%R)	15 (%R) (RPD)	ug/l			8270D
Nitrobenzene	< 1	20 (%R)	21 (%R) (RPD)	ug/l			8270D
Isophorone	< 1	22 (%R)	22 (%R) (RPD)	ug/l			8270D
2,4-Dinitrotoluene	< 1	16 (66 %R)	16 (62 %R) (6 RPD)	ug/l	24 - 96	38	8270D
2,6-Dinitrotoluene	< 1	21 (%R)	20 (%R) (RPD)	ug/l			8270D
Benzidine	< 5	29 (%R)	32 (%R) (RPD)	ug/l			8270D
3,3'-Dichlorobenzidine	< 1	20 (%R)	22 (%R) (RPD)	ug/l			8270D
Pyridine	< 5	12 (%R)	13 (%R) (RPD)	ug/l			8270D
Azobenzene	< 1	20 (%R)	22 (%R) (RPD)	ug/l			8270D
Carbazole	< 1	20 (%R)	21 (%R) (RPD)	ug/l			8270D
Dimethylphthalate	< 1	5 (%R)	5 (%R) (RPD)	ug/l			8270D
Diethylphthalate	< 1	13 (%R)	13 (%R) (RPD)	ug/l			8270D
Di-n-butylphthalate	< 5	18 (%R)	17 (%R) (RPD)	ug/l			8270D
Butylbenzylphthalate	< 1	11 (%R)	11 (%R) (RPD)	ug/l			8270D
bis(2-Ethylhexyl)phthalate	< 5	19 (%R)	18 (%R) (RPD)	ug/l			8270D
Di-n-octylphthalate	< 1	20 (%R)	20 (%R) (RPD)	ug/l			8270D
Dibenzofuran	< 1	15 (%R)	16 (%R) (RPD)	ug/l			8270D
Naphthalene	< 0.1	17 (70 %R)	19 (75 %R) (7 RPD)	ug/l	30 - 160	50	8270D
2-Methylnaphthalene	< 0.1	16 (63 %R)	17 (68 %R) (8 RPD)	ug/l	30 - 160	50	8270D
Acenaphthylene	< 0.1	19 (76 %R)	20 (79 %R) (4 RPD)	ug/l	30 - 160	50	8270D
Acenaphthene	< 0.1	17 (68 %R)	18 (70 %R) (3 RPD)	ug/l	46 - 118	31	8270D
Fluorene	< 0.1	18 (73 %R)	19 (75 %R) (3 RPD)	ug/l	30 - 160	50	8270D
Phenanthrene	< 0.1	18 (72 %R)	19 (76 %R) (5 RPD)	ug/l	30 - 160	50	8270D
Anthracene	< 0.1	18 (73 %R)	19 (76 %R) (4 RPD)	ug/l	30 - 160	50	8270D

Eastern Analytical, Inc. ID#: 78234 **Batch ID:** 733518-38708/A042109BaseN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Fluoranthene	< 0.1	20 (79 %R)	20 (80 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Pyrene	< 0.1	17 (68 %R)	17 (67 %R) (1 RPD)	ug/l	26 - 127	31	8270D
Benzo[a]anthracene	< 0.1	20 (79 %R)	21 (83 %R) (5 RPD)	ug/l	30 - 160	50	8270D
Chrysene	< 0.1	19 (78 %R)	20 (81 %R) (4 RPD)	ug/l	30 - 160	50	8270D
Benzo[b]fluoranthene	< 0.1	19 (75 %R)	20 (82 %R) (9 RPD)	ug/l	30 - 160	50	8270D
Benzo[k]fluoranthene	< 0.1	19 (76 %R)	20 (78 %R) (3 RPD)	ug/l	30 - 160	50	8270D
Benzo[a]pyrene	< 0.1	18 (73 %R)	19 (77 %R) (5 RPD)	ug/l	30 - 160	50	8270D
Indeno[1,2,3-cd]pyrene	< 0.1	21 (84 %R)	23 (91 %R) (8 RPD)	ug/l	30 - 160	50	8270D
Dibenz[a,h]anthracene	< 0.1	21 (83 %R)	23 (91 %R) (9 RPD)	ug/l	30 - 160	50	8270D
Benzo[g,h,i]perylene	< 0.1	20 (81 %R)	22 (87 %R) (7 RPD)	ug/l	30 - 160	50	8270D
Nitrobenzene-D5 (surr)	77 %R	81 %R	85 %R	% Rec	35 - 114		8270D
2-Fluorobiphenyl (surr)	72 %R	68 %R	74 %R	% Rec	43 - 116		8270D
p-Terphenyl-D14 (surr)	80 %R	74 %R	74 %R	% Rec	33 - 141		8270D

Eastern Analytical, Inc. ID#: 78234 **Batch ID:** 733519-45831/S042209ABN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Acid and Base/Neutral Extractable Compounds QA/QC and Narrative Report

Matrix:	Aqueous		Solid		Aqueous
Units:		% RPD		% RPD	%
EPA Method:	8270D		8270D		625(mod)
Acid Extractables Surrogates:					
2-Fluorophenol	21-110		25-121		21-110
Phenol-d5	10-94		24-113		10-94
2,4,6-Tribromophenol	10-123		19-122		10-123
Base/Neutral Extractables Surrogates:					
Nitrobenzene-d5	35-114		23-120		35-114
2-Fluorobiphenyl	43-116		30-115		43-116
p-Terphenyl-d14	33-141		18-137		33-141
Acid Extractables Spikes:					
Phenol	12-110	42	26-90	35	
2-Chlorophenol	27-123	40	25-102	50	
Pentachlorophenol	9-103	50	17-109	47	
4-Nitrophenol	10-80	50	11-114	50	
4-Chloro-3-methylphenol	23-97	42	26-103	33	
Base/Neutral Extractables Spikes:					
N-Nitroso-di-n-propylamine	41-116	38	41-126	38	
1,4-Dichlorobenzene	36-97	28	28-104	27	
1,2,4-Trichlorobenzene	39-98	28	38-107	23	
2,4-Dinitrotoluene	24-96	38	28-89	47	
Acenaphthene	46-118	31	31-137	19	
Pyrene	26-127	31	35-142	36	

Samples were extracted and analyzed within holding time limits.
Instrumentation was tuned and calibrated in accordance with the method requirements.
The associated method blank(s) were free of contamination at the reporting limit.
The associated (MS) matrix spike(s) and/or (LCS) Laboratory Control Sample(s) met the above stated criteria.
There were no exceptions in the analyses, unless noted.
DOR: Diluted out of calibration range.
MI: Matrix interference.
(mod): EPA method 3510C and 8270D employed.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-9 2.5-3.0'	MW-6 15-15.5'	MW-5 3.5-4.0'	MW-3 1.5-2.0'					
Lab Sample ID:	78234.16	78234.17	78234.18	78234.19					
Matrix:	soil	soil	soil	soil					
Date Sampled:	4/16/09	4/16/09	4/16/09	4/16/09	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	4/17/09	4/17/09	4/17/09	4/17/09					
Aluminum	**6900**	**11000**	**13000**	**7500**	SolTotDry	mg/kg	4/22/09	6020	DS
Antimony	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Arsenic	**3.5**	**2.8**	**4.9**	**43**	SolTotDry	mg/kg	4/22/09	6020	DS
Barium	**31**	**38**	**59**	**200**	SolTotDry	mg/kg	4/22/09	6020	DS
Beryllium	< 0.5	< 0.5	< 0.5	**1.2**	SolTotDry	mg/kg	4/22/09	6020	DS
Cadmium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Chromium	**12**	**17**	**19**	**11**	SolTotDry	mg/kg	4/22/09	6020	DS
Copper	**9.9**	**13**	**21**	**49**	SolTotDry	mg/kg	4/22/09	6020	DS
Cobalt	**5.4**	**7**	**8**	**5.7**	SolTotDry	mg/kg	4/22/09	6020	DS
Iron	**14000**	**20000**	**19000**	**15000**	SolTotDry	mg/kg	4/22/09	6020	DS
Lead	**9.2**	**5.6**	**25**	**72**	SolTotDry	mg/kg	4/22/09	6020	DS
Manganese	**290**	**440**	**310**	**330**	SolTotDry	mg/kg	4/22/09	6020	DS
Mercury	< 0.1	< 0.1	**0.2**	< 0.1	SolTotDry	mg/kg	4/22/09	6020	DS
Nickel	**13**	**15**	**21**	**12**	SolTotDry	mg/kg	4/22/09	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Silver	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	**1.0**	SolTotDry	mg/kg	4/22/09	6020	DS
Vanadium	**14**	**10**	**23**	**20**	SolTotDry	mg/kg	4/22/09	6020	DS
Zinc	**81**	**19**	**71**	**75**	SolTotDry	mg/kg	4/22/09	6020	DS
Tin	**0.49**	**0.28**	**2.6**	**4.2**	SolTotDry	mg/kg	4/23/09	6020	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-4 15.5-16.0'	MW-2 16-18'	MW-1 0-0.5'	MW-7 1.5-2.0'					
Lab Sample ID:	78234.2	78234.21	78234.22	78234.23					
Matrix:	soil	soil	soil	soil					
Date Sampled:	4/16/09	4/16/09	4/16/09	4/16/09	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	4/17/09	4/17/09	4/17/09	4/17/09					
Aluminum	**18000**	**4600**	**5700**	**8800**	SolTotDry	mg/kg	4/22/09	6020	DS
Antimony	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Arsenic	**6.5**	**9.0**	**4.9**	**3.6**	SolTotDry	mg/kg	4/22/09	6020	DS
Barium	**93**	**14**	**31**	**35**	SolTotDry	mg/kg	4/22/09	6020	DS
Beryllium	**0.6**	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Cadmium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Chromium	**29**	**17**	**12**	**15**	SolTotDry	mg/kg	4/22/09	6020	DS
Copper	**25**	**15**	**11**	**12**	SolTotDry	mg/kg	4/22/09	6020	DS
Cobalt	**12**	**6.9**	**4.8**	**6.8**	SolTotDry	mg/kg	4/22/09	6020	DS
Iron	**26000**	**18000**	**13000**	**16000**	SolTotDry	mg/kg	4/22/09	6020	DS
Lead	**12**	**4.8**	**160**	**5.2**	SolTotDry	mg/kg	4/22/09	6020	DS
Manganese	**330**	**190**	**240**	**280**	SolTotDry	mg/kg	4/22/09	6020	DS
Mercury	< 0.1	< 0.1	< 0.1	< 0.1	SolTotDry	mg/kg	4/22/09	6020	DS
Nickel	**28**	**20**	**13**	**19**	SolTotDry	mg/kg	4/22/09	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Silver	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Vanadium	**30**	**17**	**13**	**16**	SolTotDry	mg/kg	4/22/09	6020	DS
Zinc	**79**	**20**	**52**	**29**	SolTotDry	mg/kg	4/22/09	6020	DS
Tin	**0.43**	< 0.2	**1.6**	**0.29**	SolTotDry	mg/kg	4/23/09	6020	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID: MW-8 1.5-2.0'

Lab Sample ID: 78234.24
Matrix: soil
Date Sampled: 4/16/09
Date Received: 4/17/09

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Aluminum	**8100**	SolTotDry	mg/kg	4/22/09	6020	DS
Antimony	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Arsenic	**7.0**	SolTotDry	mg/kg	4/22/09	6020	DS
Barium	**55**	SolTotDry	mg/kg	4/22/09	6020	DS
Beryllium	**0.6**	SolTotDry	mg/kg	4/22/09	6020	DS
Cadmium	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Chromium	**13**	SolTotDry	mg/kg	4/22/09	6020	DS
Copper	**15**	SolTotDry	mg/kg	4/22/09	6020	DS
Cobalt	**6.8**	SolTotDry	mg/kg	4/22/09	6020	DS
Iron	**13000**	SolTotDry	mg/kg	4/22/09	6020	DS
Lead	**28**	SolTotDry	mg/kg	4/22/09	6020	DS
Manganese	**240**	SolTotDry	mg/kg	4/22/09	6020	DS
Mercury	< 0.1	SolTotDry	mg/kg	4/22/09	6020	DS
Nickel	**16**	SolTotDry	mg/kg	4/22/09	6020	DS
Selenium	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Silver	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Thallium	< 0.5	SolTotDry	mg/kg	4/22/09	6020	DS
Vanadium	**16**	SolTotDry	mg/kg	4/22/09	6020	DS
Zinc	**96**	SolTotDry	mg/kg	4/22/09	6020	DS
Tin	**2.0**	SolTotDry	mg/kg	4/23/09	6020	DS

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	Units	Date of Analysis	Method
Aluminum	< 100	400 (84 %R)	mg/kg	4/22/09	6020
Antimony	< 0.5	39 (97 %R)	mg/kg	4/22/09	6020
Arsenic	< 0.5	37 (92 %R)	mg/kg	4/22/09	6020
Barium	< 0.5	36 (90 %R)	mg/kg	4/22/09	6020
Beryllium	< 0.5	37 (92 %R)	mg/kg	4/22/09	6020
Cadmium	< 0.5	36 (90 %R)	mg/kg	4/22/09	6020
Chromium	< 0.5	36 (89 %R)	mg/kg	4/22/09	6020
Copper	< 0.5	36 (89 %R)	mg/kg	4/22/09	6020
Cobalt	< 0.5	36 (89 %R)	mg/kg	4/22/09	6020
Iron	< 100	400 (94 %R)	mg/kg	4/22/09	6020
Lead	< 0.5	38 (95 %R)	mg/kg	4/22/09	6020
Manganese	< 0.5	37 (92 %R)	mg/kg	4/22/09	6020
Mercury	< 0.1	0.4 (97 %R)	mg/kg	4/22/09	6020
Nickel	< 0.5	37 (92 %R)	mg/kg	4/22/09	6020
Selenium	< 0.5	37 (93 %R)	mg/kg	4/22/09	6020
Silver	< 0.5	8.7 (87 %R)	mg/kg	4/22/09	6020
Tin	< 0.2	40 (101 %R)	mg/kg	4/23/09	6020
Thallium	< 0.5	37 (93 %R)	mg/kg	4/22/09	6020
Vanadium	< 0.5	36 (89 %R)	mg/kg	4/22/09	6020
Zinc	< 0.5	36 (89 %R)	mg/kg	4/22/09	6020

Eastern Analytical, Inc. ID#: 78234 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Method
Aluminum	78234.24	8100	16000 (75 %R)	16000 (75 %R) (0 RPD)	mg/kg	4/22/09	6020
Antimony	78234.24	< 0.5	1000 (104 %R)	1100 (106 %R) (2 RPD)	mg/kg	4/22/09	6020
Arsenic	78234.24	7.0	930 (93 %R)	940 (94 %R) (1 RPD)	mg/kg	4/22/09	6020
Barium	78234.24	55	1000 (96 %R)	1000 (95 %R) (1 RPD)	mg/kg	4/22/09	6020
Beryllium	78234.24	0.6	880 (88 %R)	870 (87 %R) (1 RPD)	mg/kg	4/22/09	6020
Cadmium	78234.24	< 0.5	950 (96 %R)	960 (97 %R) (1 RPD)	mg/kg	4/22/09	6020
Chromium	78234.24	13	810 (80 %R)	810 (80 %R) (0 RPD)	mg/kg	4/22/09	6020
Copper	78234.24	15	780 (77 %R)	780 (77 %R) (0 RPD)	mg/kg	4/22/09	6020
Cobalt	78234.24	6.8	800 (80 %R)	800 (80 %R) (0 RPD)	mg/kg	4/22/09	6020
Iron	78234.24	13000	23000 (86 %R)	23000 (88 %R) (2 RPD)	mg/kg	4/22/09	6020
Lead	78234.24	28	950 (93 %R)	970 (95 %R) (2 RPD)	mg/kg	4/22/09	6020
Manganese	78234.24	240	1000 (81 %R)	1000 (81 %R) (0 RPD)	mg/kg	4/22/09	6020
Mercury	78234.24	< 0.1	1.1 (105 %R)	1.1 (106 %R) (1 RPD)	mg/kg	4/22/09	6020
Nickel	78234.24	16	810 (80 %R)	800 (79 %R) (1 RPD)	mg/kg	4/22/09	6020
Selenium	78234.24	< 0.5	920 (93 %R)	940 (95 %R) (2 RPD)	mg/kg	4/22/09	6020
Silver	78234.24	< 0.5	870 (88 %R)	880 (88 %R) (0 RPD)	mg/kg	4/22/09	6020
Tin	78234.24	2.0	42 (100 %R)	42 (100 %R) (0 RPD)	mg/kg	4/23/09	6020
Thallium	78234.24	< 0.5	930 (94 %R)	950 (95 %R) (1 RPD)	mg/kg	4/22/09	6020
Vanadium	78234.24	16	810 (80 %R)	830 (82 %R) (2 RPD)	mg/kg	4/22/09	6020
Zinc	78234.24	96	860 (76 %R)	850 (76 %R) (0 RPD)	mg/kg	4/22/09	6020

Eastern Analytical, Inc. ID#: 78234 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Metals QA/QC and Narrative Report

QA/QC:	LCS	MS	MSD
Matrix:	Aqueous/Soil	Aqueous/Soil	Aqueous/Soil
Units:	%	%	%
EPA Method:	6010B/6020	6010B/6020	6010B/6020
Aluminum	80-120	75-125	75-125
Antimony	80-120	75-125	75-125
Arsenic	80-120	75-125	75-125
Barium	80-120	75-125	75-125
Beryllium	80-120	75-125	75-125
Boron	80-120	75-125	75-125
Cadmium	80-120	75-125	75-125
Calcium	80-120	75-125	75-125
Chromium	80-120	75-125	75-125
Chromium III	80-120	75-125	75-125
Chromium IV	80-120	75-125	75-125
Cobalt	80-120	75-125	75-125
Copper	80-120	75-125	75-125
Iron	80-120	75-125	75-125
Lead	80-120	75-125	75-125
Magnesium	80-120	75-125	75-125
Manganese	80-120	75-125	75-125
Mercury	80-120	75-125	75-125
Molybdenum	80-120	75-125	75-125
Nickel	80-120	75-125	75-125
Phosphorus	80-120	75-125	75-125
Potassium	80-120	75-125	75-125
Selenium	80-120	75-125	75-125
Silicon	80-120	75-125	75-125
Silver	80-120	75-125	75-125
Sodium	80-120	75-125	75-125
Thallium	80-120	75-125	75-125
Tin	80-120	75-125	75-125
Titanium	80-120	75-125	75-125
Vanadium	80-120	75-125	75-125
Zinc	80-120	75-125	75-125

Samples were analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
There were no exceptions in the analyses, unless noted below.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID: Sump

Lab Sample ID: 78234.15
Matrix: aqueous
Date Sampled: 4/14/09
Date Received: 4/17/09

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Antimony	< 0.001	AqTot	mg/L	4/22/09	200.8	DS
Arsenic	**0.012**	AqTot	mg/L	4/22/09	200.8	DS
Barium	**0.033**	AqTot	mg/L	4/22/09	200.8	DS
Cadmium	< 0.001	AqTot	mg/L	4/22/09	200.8	DS
Chromium	**0.003**	AqTot	mg/L	4/22/09	200.8	DS
Lead	< 0.001	AqTot	mg/L	4/22/09	200.8	DS
Manganese	**0.016**	AqTot	mg/L	4/22/09	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	4/22/09	200.8	DS
Nickel	< 0.001	AqTot	mg/L	4/22/09	200.8	DS
Selenium	< 0.001	AqTot	mg/L	4/22/09	200.8	DS
Thallium	< 0.001	AqTot	mg/L	4/22/09	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78234

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	Units	Date of Analysis	Method
Antimony	< 0.001	1.1 (106 %R)	mg/L	4/22/09	200.8
Arsenic	< 0.001	0.97 (97 %R)	mg/L	4/22/09	200.8
Barium	< 0.001	0.96 (96 %R)	mg/L	4/22/09	200.8
Cadmium	< 0.001	0.98 (98 %R)	mg/L	4/22/09	200.8
Chromium	< 0.001	0.97 (97 %R)	mg/L	4/22/09	200.8
Lead	< 0.001	0.98 (98 %R)	mg/L	4/22/09	200.8
Manganese	< 0.005	0.99 (99 %R)	mg/L	4/22/09	200.8
Mercury	< 0.0001	0.0011 (107 %R)	mg/L	4/22/09	200.8
Nickel	< 0.001	0.97 (97 %R)	mg/L	4/22/09	200.8
Selenium	< 0.001	0.99 (99 %R)	mg/L	4/22/09	200.8
Thallium	< 0.001	0.99 (99 %R)	mg/L	4/22/09	200.8

Parameter Name	Matrix Spike	Matrix Spike Duplicate
Antimony	1.1 (108 %R)	1.1 (114 %R) (5 RPD)
Arsenic	2.6 (88 %R)	2.6 (86 %R) (2 RPD)
Barium	0.99 (99 %R)	1.0 (105 %R) (6 RPD)
Cadmium	1.1 (105 %R)	1.1 (108 %R) (3 RPD)
Chromium	0.99 (98 %R)	1.0 (104 %R) (6 RPD)
Lead	1.0 (102 %R)	1.1 (106 %R) (4 RPD)
Manganese	1.0 (100 %R)	1.1 (105 %R) (5 RPD)
Mercury	0.0012 (119 %R)	0.0012 (121 %R) (2 RPD)
Nickel	0.97 (96 %R)	1.0 (103 %R) (7 RPD)
Selenium	1.1 (114 %R)	1.1 (113 %R) (1 RPD)
Thallium	1.0 (102 %R)	1.1 (105 %R) (3 RPD)

Eastern Analytical, Inc. ID#: 78234 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Metals QA/QC and Narrative Report

QA/QC:	LCS	MS	MSD
Matrix:	Aqueous	Aqueous	Aqueous
Units:	%	%	%
EPA Method:	200.7/200.8	200.7/200.8	200.7/200.8
Aluminum	85-115	70-130	70-130
Antimony	85-115	70-130	70-130
Arsenic	85-115	70-130	70-130
Barium	85-115	70-130	70-130
Beryllium	85-115	70-130	70-130
Boron	85-115	70-130	70-130
Cadmium	85-115	70-130	70-130
Calcium	85-115	70-130	70-130
Chromium	85-115	70-130	70-130
Cobalt	85-115	70-130	70-130
Copper	85-115	70-130	70-130
Iron	85-115	70-130	70-130
Lead	85-115	70-130	70-130
Magnesium	85-115	70-130	70-130
Manganese	85-115	70-130	70-130
Mercury	85-115	70-130	70-130
Molybdenum	85-115	70-130	70-130
Nickel	85-115	70-130	70-130
Phosphorus	85-115	70-130	70-130
Potassium	85-115	70-130	70-130
Selenium	85-115	70-130	70-130
Silicon	85-115	70-130	70-130
Silver	85-115	70-130	70-130
Sodium	85-115	70-130	70-130
Thallium	85-115	70-130	70-130
Tin	85-115	70-130	70-130
Titanium	85-115	70-130	70-130
Vanadium	85-115	70-130	70-130
Zinc	85-115	70-130	70-130

Samples were analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
There were no exceptions in the analyses, unless noted below.

CHAIN-OF-CUSTODY RECORD

78234

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

#	SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 / 524.2 BTEX / 524.2 MTBE ONLY	VOC: 8260B 624 VTICs / 1,4 DIOXANE EDB DBCP	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270C 625 SVTICs / ABN A BN PAH	SVOC: TPH8100 L1 L2	SVOC: 8015B DRO MEDRO MAEPH	SVOC: 608 PEST/PCB / PEST 8081A PCB 8082	SVOC: OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS / VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW)	METALS: TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.	INORGANICS: BR CL F SO_4 / NO_2 NO_3 NO_2/NO_3	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH_3 T. PHOS.	INORGANICS: pH T. RES. CHLORINE	INORGANICS: COD PHENOLS TOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE / FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI / F. COLIFORM	MICRO: ENTEROCOCCI / HETEROTROPHIC PLATE COUNT	OTHER: 8260B Petrol range	OTHER: 8270 PAH SIM	OTHER	# OF CONTAINERS	NOTES MeOH VIAL #
1	SS-AST-1 0-0.5'	4/14/09 / 1045	S	G																							X	X		2	27931
2	SS-AST-1 1.5-2.0'	4/14/09 / 1045	S	G																							X	X		2	27946
3	SB-08 1.5-2.0	4/15/09 / 1200	S	G		X			X																					2	27944
4	MW-1 3.5-4.0	4/14/09 / 0915	S	G																								X		1	–
5	MW-1 15.5-16.0'	4/14/09 / 0905	S	G																							X			1	27956
6	MW-2 12-13'	4/14/09 / 1040	S	G		X			X																					2	27941
7	MW-3 13-14'	4/14/09 / 1150	S	G		X			X (full SVOCs)																			X (MW)		2	27942
8	MW-4 13-14'	4/14/09 / 1415	S	G		X			X																					2	27947
9	MW-5 11-12'	4/14/09 / 1520	S	G		X			X																					2	27948
10	MW-6 7.5-8.0'	4/15/09 / 0830	S	G		X			X																					2	27951

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Rhonda Gray
COMPANY: The Johnson Company
ADDRESS: 100 State St. Suite 600
CITY: Montpelier VT STATE: VT ZIP: 05602
PHONE: (802) 229-4600 EXT.:
FAX: (802) 229-5876
E-MAIL: rtu@jcomail.com; mjm@jcomail.com
SITE NAME: Richmond Creamery
PROJECT #: 1-0346-3
STATE: NH MA ME (VT) OTHER:
REGULATORY PROGRAM: **NPDES:** RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:
QUOTE #: PO #:

DATE NEEDED:

QA/QC REPORTING LEVEL
A (B) C
OR
MA MCP PRESUMPTIVE CERTAINTY

REPORTING OPTIONS
PRELIMS: (YES) OR NO
IF YES: FAX OR (PDF)

ELECTRONIC OPTIONS
NO FAX (E-MAIL) PDF EQUIS

TEMP. 3 °C
ICE? (YES) NO

SAMPLER(S): Rhonda Gray / Mike Marotta

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
Mike Marotta	4/17/09	1137	Norman Cain
Norman Cain	4/17/09	1425	H. Zuck-MacCloud

METALS: 8 RCRA 13 PP FE, MN PB, CU

OTHER METALS:

DISSOLVED METALS FIELD FILTERED? YES NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)
8270 SIM for PAH cong

SITE HISTORY:
SUSPECTED CONTAMINATION:
FIELD READINGS:

eastern analytical, inc. *professional laboratory services* 25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER_SERVICE@EAILABS.COM | WWW.EAILABS.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Chain-of-Custody Record

78234

Bold Fields Required. Please Circle Requested Analysis.

	Sample I.D.	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	VOC: 524.2 / 524.2 BTEX / 524.2 MTBE only	VOC: (8260B) 624 VTICs 1,4 Dioxane EDB DBCP	VOC: 8021B BTEX Halos	VOC: 8015B GRO MEGRO MAVPH	SVOC: (8270C) 625 SVTICs ABN A BN PAH	SVOC: TPH8100 L1 L2	SVOC: 8015B DRO MEDRO MAEPH	SVOC: 608 PEST/PCB PEST 8081A PCB 8082	SVOC: Oil & Grease 1664 TPH 1664	TCLP: TCLP 1311 ABN Metals VOC Pest Herb	Metals: Dissolved Metals (List Below)	Metals: Total Metals (List Below)* RCRA	Inorganics: TS TSS TDS Spec. Con.	Inorganics: Br Cl F SO_4 NO_2 NO_3 NO_2/NO_3	Inorganics: BOD CBOD T. Alk.	Inorganics: TKN NH_3 T. Phos.	Inorganics: pH T. Res. Chlorine	Inorganics: COD Phenols TOC	Inorganics: Total Cyanide Total Sulfide	Inorganics: Reactive Cyanide Reactive Sulfide Flashpoint Ignitability	Micro: T. Coliform E. Coli F. Coliform	Micro: Enterococci Heterotrophic Plate Count	Other: 8270 PAH SIM	Other: 8260 Petroleum Range only	Other: VGES Metals	# of Containers	Notes MeOH Vial #
11	MW-7 6.5-7.0'	4/15/09 / 0950	S	G		X			X																					2	27938
12	MW-8 7-7.5'	4/15/09 / 1255	S	G		X																					X			2	28001
13	MW-9 4.5-5.0'	4/15/09 / 1325	S	G		X																					X			2	28000
14	Trip Blank	3/10/09 / 1000	W	G		X																								2	—
15	Sump	4/14/09 / 0910	W	G		X			X																				X	3	—
16	MW-9 2.5-3.0	4/16/09 / 1350	S	G												X														1	—
17	MW-6 15-15.5	4/16/09 / 1400	S	G												X														1	—
18	MW-5 3.5-4.0	4/16/09 / 1420	S	G												X														1	—
19	MW-3 1.5-2.0	4/16/09 / 1450	S	G												X														1	—
20	MW-4 15.5-16.0	4/16/09 / 1310	S	G												X														1	—

Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drinking Water; WW-Waste water

Preservative: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

Project Manager: Rhonda Way

Company: The Johnson Company

Address: 100 State St., Suite 600

City: Montpelier **State:** VT **Zip:** 05602

Phone: (802) 229-4600 **Ext.:**

Fax: (802) 229-5876

E-Mail: rth@jcomail.com ; mjm@jcomail.com

Site Name: Richmond Creamery

Project #: 1-0346-3

State: NH MA ME (VT) Other:

Regulatory Program: **NPDES:** RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: **PO #:**

Date Needed: 2 weeks

QA/QC Reporting Level: A (B) C or MA MCP Presumptive Certainty

Reporting Options: Prelims (Yes) or No; If Yes: Fax or (PDF)

Electronic Options: No Fax (E-Mail) PDF Equis

Temp. 3 °C Ice? (Yes) No

Sampler(s): Rhonda Way / Mike Marotto

Relinquished By	Date	Time	Received By
Mike Marotto	4/17/09	1137	Norman Cain
Norman Cain	4/17/09	1425	[illegible]

Metals: 8 RCRA 13 PP Fe, Mn Pb, Cu

Other Metals:

Dissolved Metals Field Filtered? Yes No

Notes: (ie: Special Detection Limits, Billing Info, If Different)
8270 SIM for PAH range
* RCRA Metals

Site History:

Suspected Contamination:

Field Readings:

eastern analytical, inc. professional laboratory services | 25 Chenell Drive | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customer_service@eailabs.com | www.eailabs.com

(WHITE: Original GREEN: Project Manager)

Page 3 of 3

CHAIN-OF-CUSTODY RECORD

78234

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

	Sample I.D.	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	VOC: 524.2 BTEX 524.2 MTBE only	VOC: 8260B 624 VTICs 1,4 Dioxane EDB DBCP	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAYPH	SVOC: 8270C 625 SVTICs ABN A BN PAH	SVOC: TPH8100 LI L2	SVOC: 8015B DRO MEDRO MAEPH	SVOC: 608 PEST/PCB PEST 8081A PCB 8082	SVOC: Oil & Grease 1664 TPH 1664	TCLP: TCLP 1311 ABN Metals VOC PEST Herb	Metals: Dissolved Metals (List Below)	Metals: Total Metals (List Below)	Inorganics: TS TSS TDS Spec. Con.	Inorganics: Ba Cl F SO_4 NO_3 NO_3/NO_2	Inorganics: BOD CBOD T. Alk.	Inorganics: TKN NH_3 T. Phos.	Inorganics: pH T. Res. Chlorine	Inorganics: COD Phenols TOC	Inorganics: Total Cyanide Total Sulfide	Inorganics: Reactive Cyanide Reactive Sulfide Flashpoint Ignitability	Micro: T. Coliform E. Coli	Micro: E. Coliform	Micro: Enterococci Heterotrophic Plate Count	Other: PRG Metals	Other	Other	# of Containers	Notes MeOH Vial #
21	MW-2 16-18'	4/16/09 1530	S	G																								X			8	
	~~MW-2~~																															
22	MW-1 0-0.5	4/16/09 1545	S	G																								X			8	
23	MW-7 1.5-20	4/16/09 1555	S	G																								X			8	
24	MW-8 1.5-2.0	4/16/09 1605	S	G																								X			8	

Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drinking Water; WW-Waste water

Preservative: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

Project Manager: Rhonda Kay

Company: The Johnson Company

Address: 100 State St, ste 600

City: Montpelier State: VT Zip: 05602

Phone: (802) 229-4600 Ext.:

Fax: (802) 229-5876

E-Mail: rtw@jcomail.com; mjn@jcomail.com

Site Name: Richmond Creamery

Project #: 1-0346-3

State: NH MA ME (VT) Other:

Regulatory Program: **NPDES:** RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:

Quote #: PO #:

Date Needed: 2 Weeks

QA/QC

Reporting Level: A (B) C OR MA MCP Presumptive Certainty

Reporting Options: Prelims: (Yes) or No — If Yes: Fax or (PDF)

Electronic Options: No Fax (E-Mail) PDF Equis

Temp. 3 °C ICE? (Yes) No

Sampler(s): Mike Marotto

Relinquished By:	Date:	Time:	Received By:
MMM	4/17/09	1137	Norman Cain
Norman Cain	4/17/09	1425	M. Zuke-Mallon

Metals: 8 RCRA 13 PP Fe, Mn Pb, Cu

Other Metals:

Dissolved Metals Field Filtered? Yes No

Notes: (ie: Special Detection Limits, Billing Info, If Different)

Site History:

Suspected Contamination:

Field Readings:

eastern analytical, inc. professional laboratory services
25 Chenell Drive | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customer_service@eailabs.com | www.eailabs.com

(WHITE: Original GREEN: Project Manager)

eastern analytical

professional laboratory services

Rhonda Kay
The Johnson Company
100 State Street
Montpelier , VT 05602

Subject: Laboratory Report

Eastern Analytical, Inc. ID:	78343
Client Identification:	Richmond Creamery | 1-0346-3
Date Received:	4/22/2009

Dear Ms. Kay :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. (EAI) certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

This report package contains the following information: Sample Conditions summary, Analytical Results/Data and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

Analytical Deviation & QA/QC Documentation:
Quality Control Samples associated with this project are included in this report. At a minimum, a Method Blank and Laboratory Control Sample (LCS) are reported. Matrix Spikes and Duplicates are reported where applicable. Deviations are narrated on the QC pages.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 5.7.09 Date | 22 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Temperature upon receipt (°C): 3 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
78343.01	MW-1	4/22/09	4/20/09	aqueous		Adheres to Sample Acceptance Policy
78343.02	MW-2	4/22/09	4/20/09	aqueous		Adheres to Sample Acceptance Policy
78343.03	MW-5	4/22/09	4/20/09	aqueous		Adheres to Sample Acceptance Policy
78343.04	MW-7	4/22/09	4/20/09	aqueous		Adheres to Sample Acceptance Policy
78343.05	MW-9	4/22/09	4/20/09	aqueous		Adheres to Sample Acceptance Policy
78343.06	MW-3	4/22/09	4/20/09	aqueous		Adheres to Sample Acceptance Policy
78343.07	MW-4	4/22/09	4/20/09	aqueous		Adheres to Sample Acceptance Policy
78343.08	MW-Dup	4/22/09	4/20/09	aqueous		Adheres to Sample Acceptance Policy
78343.09	MW-6	4/22/09	4/20/09	aqueous		Adheres to Sample Acceptance Policy
78343.1	MW-8	4/22/09	4/20/09	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-2	MW-5	MW-7	MW-9	MW-3	MW-4	MW-Dup
Lab Sample ID:	78343.02	78343.03	78343.04	78343.05	78343.06	78343.07	78343.08
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	4/24/09	4/24/09	4/24/09	4/24/09	4/24/09	4/24/09	4/24/09
Analyst:	BAM	BAM	BAM	BAM	BAM	BAM	BAM
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
Dichlorodifluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl chloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromomethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichlorofluoromethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Diethyl Ether	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Methylene chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon disulfide	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 5	< 5	< 5	< 5	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Butanone(MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Bromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Tetrahydrofuran(THF)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Chloroform	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1-Dichloropropene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromomethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Tetrachloroethene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3-Dichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2-Dibromoethane(EDB)	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
mp-Xylene	2	< 1	< 1	< 1	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2	< 2	< 2	< 2	< 2

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-2	MW-5	MW-7	MW-9	MW-3	MW-4	MW-Dup
Lab Sample ID:	78343.02	78343.03	78343.04	78343.05	78343.06	78343.07	78343.08
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Analysis:	4/24/09	4/24/09	4/24/09	4/24/09	4/24/09	4/24/09	4/24/09
Analyst:	BAM	BAM	BAM	BAM	BAM	BAM	BAM
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	1	1	1	1	1
IsoPropylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2	< 2	< 2	< 2	< 2	< 2
n-Propylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorotoluene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
4-Chlorotoluene	< 2	< 2	< 2	< 2	< 2	< 2	< 2
1,3,5-Trimethylbenzene	**30**	< 1	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trimethylbenzene	**16**	< 1	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	**1**	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2,3-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Bromofluorobenzene (surr)	**97 %R**	**94 %R**	**93 %R**	**93 %R**	**93 %R**	**92 %R**	**94 %R**
1,2-Dichlorobenzene-d4 (surr)	**105 %R**	**106 %R**	**107 %R**	**107 %R**	**107 %R**	**108 %R**	**107 %R**
Toluene-d8 (surr)	**96 %R**	**94 %R**	**95 %R**	**95 %R**	**94 %R**	**93 %R**	**95 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-6	MW-8
Lab Sample ID:	78343.09	78343.1
Matrix:	aqueous	aqueous
Date Sampled:	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09
Units:	ug/l	ug/l
Date of Analysis:	4/24/09	4/24/09
Analyst:	BAM	BAM
Method:	8260B	8260B
Dilution Factor:	1	1
Dichlorodifluoromethane	< 5	< 5
Chloromethane	< 2	< 2
Vinyl chloride	< 2	< 2
Bromomethane	< 2	< 2
Chloroethane	< 5	< 5
Trichlorofluoromethane	< 5	< 5
Diethyl Ether	< 5	< 5
Acetone	< 10	< 10
1,1-Dichloroethene	< 1	< 1
Methylene chloride	< 5	< 5
Carbon disulfide	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2
1,1-Dichloroethane	< 2	< 2
2,2-Dichloropropane	< 2	< 2
cis-1,2-Dichloroethene	< 2	< 2
2-Butanone(MEK)	< 10	< 10
Bromochloromethane	< 2	< 2
Tetrahydrofuran(THF)	< 10	< 10
Chloroform	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2
Carbon tetrachloride	< 2	< 2
1,1-Dichloropropene	< 2	< 2
Benzene	< 1	< 1
1,2-Dichloroethane	< 2	< 2
Trichloroethene	< 2	< 2
1,2-Dichloropropane	< 2	< 2
Dibromomethane	< 2	< 2
Bromodichloromethane	< 1	< 1
4-Methyl-2-pentanone(MIBK)	< 10	< 10
cis-1,3-Dichloropropene	< 1	< 1
Toluene	< 1	< 1
trans-1,3-Dichloropropene	< 1	< 1
1,1,2-Trichloroethane	< 2	< 2
2-Hexanone	< 10	< 10
Tetrachloroethene	< 2	< 2
1,3-Dichloropropane	< 2	< 2
Dibromochloromethane	< 2	< 2
1,2-Dibromoethane(EDB)	< 1	< 1
Chlorobenzene	< 2	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2
Ethylbenzene	< 1	< 1
mp-Xylene	< 1	< 1
o-Xylene	< 1	< 1
Styrene	< 1	< 1
Bromoform	< 2	< 2

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-6	MW-8
Lab Sample ID:	78343.09	78343.1
Matrix:	aqueous	aqueous
Date Sampled:	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09
Units:	ug/l	ug/l
Date of Analysis:	4/24/09	4/24/09
Analyst:	BAM	BAM
Method:	8260B	8260B
Dilution Factor:	1	1
IsoPropylbenzene	< 1	< 1
Bromobenzene	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2
n-Propylbenzene	< 1	< 1
2-Chlorotoluene	< 2	< 2
4-Chlorotoluene	< 2	< 2
1,3,5-Trimethylbenzene	< 1	< 1
tert-Butylbenzene	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1
sec-Butylbenzene	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1
p-Isopropyltoluene	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1
n-Butylbenzene	< 1	< 1
1,2-Dibromo-3-chloropropane	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1
Hexachlorobutadiene	< 1	< 1
Naphthalene	< 5	< 5
1,2,3-Trichlorobenzene	< 1	< 1
4-Bromofluorobenzene (surr)	**93 %R**	**93 %R**
1,2-Dichlorobenzene-d4 (surr)	**107 %R**	**106 %R**
Toluene-d8 (surr)	**94 %R**	**93 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-1
Lab Sample ID:	78343.01
Matrix:	aqueous
Date Sampled:	4/20/09
Date Received:	4/22/09
Units:	ug/l
Date of Analysis:	4/24/09
Analyst:	BAM
Method:	8260B
Dilution Factor:	1
Methyl-t-butyl ether(MTBE)	< 5
Benzene	< 1
1,2-Dichloroethane	< 2
Toluene	< 1
1,2-Dibromoethane(EDB)	< 1
Ethylbenzene	< 1
mp-Xylene	< 1
o-Xylene	< 1
1,3,5-Trimethylbenzene	< 1
1,2,4-Trimethylbenzene	< 1
Naphthalene	< 5
4-Bromofluorobenzene (surr)	**92 %R**
1,2-Dichlorobenzene-d4 (surr)	**108 %R**
Toluene-d8 (surr)	**94 %R**

GC/MS analysis was employed for the determination of the 8021B compound list.

Eastern Analytical, Inc. ID#: 78343 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
Dichlorodifluoromethane	< 5			ug/l	4/24/09	8260B
Chloromethane	< 2			ug/l	4/24/09	8260B
Vinyl chloride	< 2			ug/l	4/24/09	8260B
Bromomethane	< 2			ug/l	4/24/09	8260B
Chloroethane	< 5			ug/l	4/24/09	8260B
Trichlorofluoromethane	< 5			ug/l	4/24/09	8260B
Diethyl Ether	< 5			ug/l	4/24/09	8260B
Acetone	< 10			ug/l	4/24/09	8260B
1,1-Dichloroethene	< 1	20 (101 %R)	21 (105 %R) (4 RPD)	ug/l	4/24/09	8260B
tert-Butyl Alcohol (TBA)	< 30			ug/l	4/24/09	8260B
Methylene chloride	< 5			ug/l	4/24/09	8260B
Carbon disulfide	< 5			ug/l	4/24/09	8260B
Methyl-t-butyl ether(MTBE)	< 5			ug/l	4/24/09	8260B
Ethyl-t-butyl ether(ETBE)	< 5			ug/l	4/24/09	8260B
Isopropyl ether(DIPE)	< 5			ug/l	4/24/09	8260B
tert-amyl methyl ether(TAME)	< 5			ug/l	4/24/09	8260B
trans-1,2-Dichloroethene	< 2			ug/l	4/24/09	8260B
1,1-Dichloroethane	< 2			ug/l	4/24/09	8260B
2,2-Dichloropropane	< 2			ug/l	4/24/09	8260B
cis-1,2-Dichloroethene	< 2			ug/l	4/24/09	8260B
2-Butanone(MEK)	< 10			ug/l	4/24/09	8260B
Bromochloromethane	< 2			ug/l	4/24/09	8260B
Tetrahydrofuran(THF)	< 10			ug/l	4/24/09	8260B
Chloroform	< 2			ug/l	4/24/09	8260B
1,1,1-Trichloroethane	< 2			ug/l	4/24/09	8260B
Carbon tetrachloride	< 2			ug/l	4/24/09	8260B
1,1-Dichloropropene	< 2			ug/l	4/24/09	8260B
Benzene	< 1	18 (91 %R)	19 (94 %R) (3 RPD)	ug/l	4/24/09	8260B
1,2-Dichloroethane	< 2			ug/l	4/24/09	8260B
Trichloroethene	< 2	20 (98 %R)	21 (103 %R) (5 RPD)	ug/l	4/24/09	8260B
1,2-Dichloropropane	< 2			ug/l	4/24/09	8260B
Dibromomethane	< 2			ug/l	4/24/09	8260B
Bromodichloromethane	< 0.5			ug/l	4/24/09	8260B
4-Methyl-2-pentanone(MIBK)	< 10			ug/l	4/24/09	8260B
cis-1,3-Dichloropropene	< 2			ug/l	4/24/09	8260B
Toluene	< 1	17 (87 %R)	18 (90 %R) (3 RPD)	ug/l	4/24/09	8260B
trans-1,3-Dichloropropene	< 2			ug/l	4/24/09	8260B
1,1,2-Trichloroethane	< 2			ug/l	4/24/09	8260B
2-Hexanone	< 10			ug/l	4/24/09	8260B
Tetrachloroethene	< 2			ug/l	4/24/09	8260B
1,3-Dichloropropane	< 2			ug/l	4/24/09	8260B
Dibromochloromethane	< 2			ug/l	4/24/09	8260B
1,2-Dibromoethane(EDB)	< 2			ug/l	4/24/09	8260B
Chlorobenzene	< 2	19 (95 %R)	19 (97 %R) (2 RPD)	ug/l	4/24/09	8260B

Eastern Analytical, Inc. ID#: 78343 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
1,1,1,2-Tetrachloroethane	< 2			ug/l	4/24/09	8260B
Ethylbenzene	< 1			ug/l	4/24/09	8260B
mp-Xylene	< 1			ug/l	4/24/09	8260B
o-Xylene	< 1			ug/l	4/24/09	8260B
Styrene	< 1			ug/l	4/24/09	8260B
Bromoform	< 2			ug/l	4/24/09	8260B
IsoPropylbenzene	< 1			ug/l	4/24/09	8260B
Bromobenzene	< 2			ug/l	4/24/09	8260B
1,1,2,2-Tetrachloroethane	< 2			ug/l	4/24/09	8260B
1,2,3-Trichloropropane	< 2			ug/l	4/24/09	8260B
n-Propylbenzene	< 1			ug/l	4/24/09	8260B
2-Chlorotoluene	< 2			ug/l	4/24/09	8260B
4-Chlorotoluene	< 2			ug/l	4/24/09	8260B
1,3,5-Trimethylbenzene	< 1			ug/l	4/24/09	8260B
tert-Butylbenzene	< 1			ug/l	4/24/09	8260B
1,2,4-Trimethylbenzene	< 1			ug/l	4/24/09	8260B
sec-Butylbenzene	< 1			ug/l	4/24/09	8260B
1,3-Dichlorobenzene	< 1			ug/l	4/24/09	8260B
p-Isopropyltoluene	< 1			ug/l	4/24/09	8260B
1,4-Dichlorobenzene	< 1			ug/l	4/24/09	8260B
1,2-Dichlorobenzene	< 1			ug/l	4/24/09	8260B
n-Butylbenzene	< 1			ug/l	4/24/09	8260B
1,2-Dibromo-3-chloropropane	< 2			ug/l	4/24/09	8260B
1,3,5-Trichlorobenzene	< 1			ug/l	4/24/09	8260B
1,2,4-Trichlorobenzene	< 1			ug/l	4/24/09	8260B
Hexachlorobutadiene	< 0.5			ug/l	4/24/09	8260B
Naphthalene	< 5			ug/l	4/24/09	8260B
1,2,3-Trichlorobenzene	< 1			ug/l	4/24/09	8260B
4-Bromofluorobenzene (surr)	94 %R	96 %R	97 %R	% Rec	4/24/09	8260B
1,2-Dichlorobenzene-d4 (surr)	106 %R	102 %R	104 %R	% Rec	4/24/09	8260B
Toluene-d8 (surr)	95 %R	95 %R	95 %R	% Rec	4/24/09	8260B

Eastern Analytical, Inc. ID#: 78343 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Solid	RPD	Aqueous	RPD
Units:	%	%	%	%
EPA Method	8260B		8260B	
Surrogate Recovery				
4-Bromofluorobenzene	74-121		86-115	
1,2-Dichlorobenzene-D4	80-120		80-120	
Toluene-d8	70-130		70-130	
Matrix Spike Recovery				
1,1-Dichloroethene	59-172	30*	61-145	20
Trichloroethene	62-137	30	71-120	20
Benzene	66-142	30	76-127	20
Toluene	59-139	30	76-125	20
Chlorobenzene	60-133	30	75-130	20

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-2	MW-5	MW-7	MW-9	MW-Dup	MW-6	MW-8
Lab Sample ID:	78343.02	78343.03	78343.04	78343.05	78343.08	78343.09	78343.1
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Preparation	4/23/09	4/23/09	4/23/09	4/23/09	4/23/09	4/23/09	4/23/09
Date of Analysis:	5/4/09	5/4/09	5/4/09	5/4/09	5/4/09	5/4/09	5/4/09
Analyst:	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1	1
Phenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dichlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,5-Trichlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,6-Trichlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pentachlorophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitrophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Nitrophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3/4-Methylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dimethylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chloro-3-methylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,6-Dinitro-2-methylphenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzoic Acid	< 5	< 5	< 5	< 5	< 5	< 5	< 5
N-Nitrosodimethylamine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-di-n-propylamine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitrosodiphenylamine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-Chloroethyl)ether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-chloroisopropyl)ether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-Chloroethoxy)methane	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chloronaphthalene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorophenyl-phenylether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Bromophenyl-phenylether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chloroaniline	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Nitroaniline	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3-Nitroaniline	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Nitroaniline	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzyl alcohol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Nitrobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isophorone	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dinitrotoluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,6-Dinitrotoluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzidine	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pyridine	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Azobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-2	MW-5	MW-7	MW-9	MW-Dup	MW-6	MW-8
Lab Sample ID:	78343.02	78343.03	78343.04	78343.05	78343.08	78343.09	78343.1
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Preparation	4/23/09	4/23/09	4/23/09	4/23/09	4/23/09	4/23/09	4/23/09
Date of Analysis:	5/4/09	5/4/09	5/4/09	5/4/09	5/4/09	5/4/09	5/4/09
Analyst:	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1	1
Carbazole	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dimethylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	**2**
Di-n-butylphthalate	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butylbenzylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	**3**
bis(2-Ethylhexyl)phthalate	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibenzofuran	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Naphthalene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylnaphthalene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[a]anthracene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[b]fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[k]fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[a]pyrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Indeno[1,2,3-cd]pyrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz[a,h]anthracene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[g,h,i]perylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Fluorophenol (surr)	***16 %R**	***14 %R**	***16 %R**	***13 %R**	***17 %R**	***15 %R**	***13 %R**
Phenol-d6 (surr)	**11 %R**	**11 %R**	**11 %R**	***9 %R**	**13 %R**	**11 %R**	**11 %R**
2,4,6-Tribromophenol (surr)	**46 %R**	**57 %R**	**48 %R**	**56 %R**	**58 %R**	**59 %R**	**63 %R**
Nitrobenzene-D5 (surr)	***25 %R**	***22 %R**	***27 %R**	***21 %R**	***28 %R**	***25 %R**	***21 %R**
2-Fluorobiphenyl (surr)	***27 %R**	***26 %R**	***29 %R**	***23 %R**	***32 %R**	***26 %R**	***29 %R**
p-Terphenyl-D14 (surr)	**54 %R**	**55 %R**	**55 %R**	**58 %R**	**57 %R**	**55 %R**	**57 %R**

* Flagged surrogate and matrix spike values deviated from the method QA/QC limits. These deviations are suspected to be due to the sample concentration process during the extraction procedure.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343 **Batch ID:** 733520-42200/A042309ABN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Phenol	< 1	* 2 (10 %R)	* 3 (11 %R) (10 RPD)	ug/l	12 - 110	42	8270D
2-Chlorophenol	< 1	* 6 (23 %R)	* 6 (25 %R) (8 RPD)	ug/l	27 - 123	40	8270D
2,4-Dichlorophenol	< 1			ug/l			8270D
2,4,5-Trichlorophenol	< 1			ug/l			8270D
2,4,6-Trichlorophenol	< 1			ug/l			8270D
Pentachlorophenol	< 5	10 (40 %R)	10 (40 %R) (0 RPD)	ug/l	9 - 103	50	8270D
2-Nitrophenol	< 1			ug/l			8270D
4-Nitrophenol	< 5	*0 (0 %R)	*0 (0 %R) (0 RPD)	ug/l	10 - 80	50	8270D
2,4-Dinitrophenol	< 5			ug/l			8270D
2-Methylphenol	< 1			ug/l			8270D
3/4-Methylphenol	< 1			ug/l			8270D
2,4-Dimethylphenol	< 1			ug/l			8270D
4-Chloro-3-methylphenol	< 1	6 (25 %R)	7 (28 %R) (11 RPD)	ug/l	23 - 97	42	8270D
4,6-Dinitro-2-methylphenol	< 5			ug/l			8270D
Benzoic Acid	< 5			ug/l			8270D
N-Nitrosodimethylamine	< 1			ug/l			8270D
n-Nitroso-di-n-propylamine	< 1	* 6 (24 %R)	* 7 (26 %R) (8 RPD)	ug/l	41 - 116	38	8270D
n-Nitrosodiphenylamine	< 1			ug/l			8270D
bis(2-Chloroethyl)ether	< 1			ug/l			8270D
bis(2-chloroisopropyl)ether	< 1			ug/l			8270D
bis(2-Chloroethoxy)methane	< 1			ug/l			8270D
1,3-Dichlorobenzene	< 1			ug/l			8270D
1,4-Dichlorobenzene	< 1	* 5 (22 %R)	* 6 (23 %R) (4 RPD)	ug/l	36 - 97	28	8270D
1,2-Dichlorobenzene	< 1			ug/l			8270D
1,2,4-Trichlorobenzene	< 1	* 6 (24 %R)	* 6 (25 %R) (4 RPD)	ug/l	39 - 98	28	8270D
2-Chloronaphthalene	< 1			ug/l			8270D
4-Chlorophenyl-phenylether	< 1			ug/l			8270D
4-Bromophenyl-phenylether	< 1			ug/l			8270D
Hexachloroethane	< 1			ug/l			8270D
Hexachlorobutadiene	< 1			ug/l			8270D
Hexachlorocyclopentadiene	< 5			ug/l			8270D
Hexachlorobenzene	< 1			ug/l			8270D
4-Chloroaniline	< 1			ug/l			8270D
2-Nitroaniline	< 5			ug/l			8270D
3-Nitroaniline	< 1			ug/l			8270D
4-Nitroaniline	< 1			ug/l			8270D
Benzyl alcohol	< 1			ug/l			8270D
Nitrobenzene	< 1			ug/l			8270D
Isophorone	< 1			ug/l			8270D
2,4-Dinitrotoluene	< 1	9 (34 %R)	9 (36 %R) (6 RPD)	ug/l	24 - 96	38	8270D
2,6-Dinitrotoluene	< 1			ug/l			8270D
Benzidine	< 5			ug/l			8270D
3,3'-Dichlorobenzidine	< 1			ug/l			8270D
Pyridine	< 5			ug/l			8270D
Azobenzene	< 1			ug/l			8270D

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343 **Batch ID:** 733520-42200/A042309ABN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Carbazole	< 1			ug/l			8270D
Dimethylphthalate	< 1			ug/l			8270D
Diethylphthalate	< 1			ug/l			8270D
Di-n-butylphthalate	< 5			ug/l			8270D
Butylbenzylphthalate	< 1			ug/l			8270D
bis(2-Ethylhexyl)phthalate	< 5			ug/l			8270D
Di-n-octylphthalate	< 1			ug/l			8270D
Dibenzofuran	< 1			ug/l			8270D
Naphthalene	< 0.1	* 5.8 (23 %R)	* 6.1 (25 %R) (8 RPD)	ug/l	30 - 160	50	8270D
2-Methylnaphthalene	< 0.1	* 5.6 (23 %R)	* 6.1 (24 %R) (4 RPD)	ug/l	30 - 160	50	8270D
Acenaphthylene	< 0.1	* 5.4 (21 %R)	* 6.3 (25 %R) (17 RPD)	ug/l	30 - 160	50	8270D
Acenaphthene	< 0.1	* 6.0 (24 %R)	* 7.0 (28 %R) (15 RPD)	ug/l	46 - 118	31	8270D
Fluorene	< 0.1	* 6.7 (27 %R)	7.8 (31 %R) (14 RPD)	ug/l	30 - 160	50	8270D
Phenanthrene	< 0.1	9.2 (37 %R)	9.3 (37 %R) (0 RPD)	ug/l	30 - 160	50	8270D
Anthracene	< 0.1	9.3 (37 %R)	9.5 (38 %R) (3 RPD)	ug/l	30 - 160	50	8270D
Fluoranthene	< 0.1	12 (48 %R)	12 (48 %R) (0 RPD)	ug/l	30 - 160	50	8270D
Pyrene	< 0.1	13 (51 %R)	13 (53 %R) (4 RPD)	ug/l	26 - 127	31	8270D
Benzo[a]anthracene	< 0.1	12 (48 %R)	12 (48 %R) (0 RPD)	ug/l	30 - 160	50	8270D
Chrysene	< 0.1	13 (51 %R)	13 (51 %R) (0 RPD)	ug/l	30 - 160	50	8270D
Benzo[b]fluoranthene	< 0.1	14 (56 %R)	14 (55 %R) (2 RPD)	ug/l	30 - 160	50	8270D
Benzo[k]fluoranthene	< 0.1	14 (58 %R)	14 (57 %R) (2 RPD)	ug/l	30 - 160	50	8270D
Benzo[a]pyrene	< 0.1	14 (54 %R)	13 (53 %R) (2 RPD)	ug/l	30 - 160	50	8270D
Indeno[1,2,3-cd]pyrene	< 0.1	13 (51 %R)	13 (51 %R) (0 RPD)	ug/l	30 - 160	50	8270D
Dibenz[a,h]anthracene	< 0.1	12 (49 %R)	12 (49 %R) (0 RPD)	ug/l	30 - 160	50	8270D
Benzo[g,h,i]perylene	< 0.1	12 (48 %R)	12 (48 %R) (0 RPD)	ug/l	30 - 160	50	8270D
2-Fluorophenol (surr)	*13 %R	* 14 %R	* 15 %R	% Rec	21 - 110		8270D
Phenol-d6 (surr)	*9 %R	10 %R	11 %R	% Rec	10 - 94		8270D
2,4,6-Tribromophenol (surr)	25 %R	46 %R	48 %R	% Rec	10 - 123		8270D
Nitrobenzene-D5 (surr)	*20 %R	* 22 %R	* 26 %R	% Rec	35 - 114		8270D
2-Fluorobiphenyl (surr)	*21 %R	* 21 %R	* 24 %R	% Rec	43 - 116		8270D
p-Terphenyl-D14 (surr)	56 %R	56 %R	56 %R	% Rec	33 - 141		8270D

Eastern Analytical, Inc. ID#: 78343 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Acid and Base/Neutral Extractable Compounds QA/QC and Narrative Report

Matrix:	Aqueous		Solid		Aqueous
Units:	% RPD		% RPD		%
EPA Method:	8270D		8270D		625(mod)
Acid Extractables Surrogates:					
2-Fluorophenol	21-110		25-121		21-110
Phenol-d5	10-94		24-113		10-94
2,4,6-Tribromophenol	10-123		19-122		10-123
Base/Neutral Extractables Surrogates:					
Nitrobenzene-d5	35-114		23-120		35-114
2-Fluorobiphenyl	43-116		30-115		43-116
p-Terphenyl-d14	33-141		18-137		33-141
Acid Extractables Spikes:					
Phenol	12-110	42	26-90	35	
2-Chlorophenol	27-123	40	25-102	50	
Pentachlorophenol	9-103	50	17-109	47	
4-Nitrophenol	10-80	50	11-114	50	
4-Chloro-3-methylphenol	23-97	42	26-103	33	
Base/Neutral Extractables Spikes:					
N-Nitroso-di-n-propylamine	41-116	38	41-126	38	
1,4-Dichlorobenzene	36-97	28	28-104	27	
1,2,4-Trichlorobenzene	39-98	28	38-107	23	
2,4-Dinitrotoluene	24-96	38	28-89	47	
Acenaphthene	46-118	31	31-137	19	
Pyrene	26-127	31	35-142	36	

Samples were extracted and analyzed within holding time limits.
Instrumentation was tuned and calibrated in accordance with the method requirements.
The associated method blank(s) were free of contamination at the reporting limit.
The associated (MS) matrix spike(s) and/or (LCS) Laboratory Control Sample(s) met the above stated criteria.
There were no exceptions in the analyses, unless noted.
DOR: Diluted out of calibration range.
MI: Matrix interference.
(mod): EPA method 3510C and 8270D employed.

* Flagged surrogate and matrix spike values deviated from the method QA/QC limits. These deviations are suspected to be due to the sample concentration process during the extraction procedure.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-1
Lab Sample ID:	78343.01
Matrix:	aqueous
Date Sampled:	4/20/09
Date Received:	4/22/09
Units:	ug/l
Date of Extraction/Prep:	4/22/09
Date of Analysis:	4/30/09
Analyst:	BML
Method:	8270D
Dilution Factor:	1

Naphthalene	< 0.1
2-Methylnaphthalene	< 0.1
Acenaphthylene	< 0.1
Acenaphthene	< 0.1
Fluorene	< 0.1
Phenanthrene	< 0.1
Anthracene	< 0.1
Fluoranthene	< 0.1
Pyrene	< 0.1
Benzo[a]anthracene	< 0.1
Chrysene	< 0.1
Benzo[b]fluoranthene	< 0.1
Benzo[k]fluoranthene	< 0.1
Benzo[a]pyrene	< 0.1
Indeno[1,2,3-cd]pyrene	< 0.1
Dibenz[a,h]anthracene	< 0.1
Benzo[g,h,i]perylene	< 0.1
p-Terphenyl-D14 (surr)	**59 %R**

Eastern Analytical, Inc. ID#: 78343 **Batch ID:** 733520-27633/A042209PAH1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Naphthalene	< 0.1	13 (63 %R)	13 (66 %R) (5 RPD)	ug/l	30 - 160	50	8270D
2-Methylnaphthalene	< 0.1	13 (67 %R)	13 (66 %R) (2 RPD)	ug/l	30 - 160	50	8270D
Acenaphthylene	< 0.1	14 (71 %R)	14 (72 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Acenaphthene	< 0.1	14 (69 %R)	14 (70 %R) (1 RPD)	ug/l	46 - 118	31	8270D
Fluorene	< 0.1	14 (71 %R)	14 (71 %R) (0 RPD)	ug/l	30 - 160	50	8270D
Phenanthrene	< 0.1	12 (61 %R)	13 (66 %R) (8 RPD)	ug/l	30 - 160	50	8270D
Anthracene	< 0.1	13 (63 %R)	13 (67 %R) (6 RPD)	ug/l	30 - 160	50	8270D
Fluoranthene	< 0.1	14 (68 %R)	14 (71 %R) (4 RPD)	ug/l	30 - 160	50	8270D
Pyrene	< 0.1	13 (67 %R)	14 (72 %R) (7 RPD)	ug/l	26 - 127	31	8270D
Benzo[a]anthracene	< 0.1	13 (64 %R)	13 (64 %R) (0 RPD)	ug/l	30 - 160	50	8270D
Chrysene	< 0.1	14 (69 %R)	14 (70 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Benzo[b]fluoranthene	< 0.1	14 (70 %R)	14 (69 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Benzo[k]fluoranthene	< 0.1	14 (70 %R)	14 (71 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Benzo[a]pyrene	< 0.1	15 (73 %R)	15 (74 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Indeno[1,2,3-cd]pyrene	< 0.1	15 (76 %R)	16 (78 %R) (3 RPD)	ug/l	30 - 160	50	8270D
Dibenz[a,h]anthracene	< 0.1	14 (72 %R)	15 (75 %R) (4 RPD)	ug/l	30 - 160	50	8270D
Benzo[g,h,i]perylene	< 0.1	14 (70 %R)	15 (74 %R) (6 RPD)	ug/l	30 - 160	50	8270D
p-Terphenyl-D14 (surr)	69 %R	65 %R	68 %R	% Rec	33 - 141		8270D

Eastern Analytical, Inc. ID#: 78343 **Batch ID:** 733520-27633/A042209PAH1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Polynuclear Aromatic Hydrocarbons QA/QC and Narrative Report

Matrix:	Aqueous	RPD	Solid	RPD	Oil	RPD
Units:	%	%	%	%	%	%
EPA Method:	8270D		8270D		8270D	
Naphthalene	30-160		30-160		30-160	
2-Methylnaphthalene	30-160		30-160		30-160	
Acenaphthylene	30-160		30-160		30-160	
Acenaphthene	46-118	31	31-137	19	30-160	50
Fluorene	30-160		30-160		30-160	
Phenanthrene	30-160		30-160		30-160	
Anthracene	30-160		30-160		30-160	
Fluoranthene	30-160		30-160		30-160	
Pyrene	26-127	31	35-142	36	30-160	50
Benzo[a]anthracene	30-160		30-160		30-160	
Chrysene	30-160		30-160		30-160	
Benzo[b]fluoranthene	30-160		30-160		30-160	
Benzo[k]fluoranthene	30-160		30-160		30-160	
Benzo[a]pyrene	30-160		30-160		30-160	
Indeno[1,2,3-cd]pyrene	30-160		30-160		30-160	
Dibenz[a,h]anthracene	30-160		30-160		30-160	
Benzo[g,h,i]perylene	30-160		30-160		30-160	
Surrogate (p-Terphenyl-D14)	33-141		18-137		30-160	

Samples were extracted and analyzed within holding time limits.
Instrumentation was tuned and calibrated in accordance with the method requirements.
The associated method blank(s) were free of contamination at the reporting limit.
Sample Surrogate Recoveries met the above stated criteria.
The associated matrix spike(s) and/or Laboratory Control Sample(s) met the above stated criteria.
There were no exceptions in the analyses, unless noted below.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-1	MW-2	MW-5	MW-7					
Lab Sample ID:	78343.01	78343.02	78343.03	78343.04					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09					
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Arsenic	< 0.001	**0.016**	**0.010**	**0.003**	AqTot	mg/L	4/24/09	200.8	DS
Barium	**0.012**	**0.028**	**0.027**	**0.006**	AqTot	mg/L	4/24/09	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Lead	**0.001**	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Manganese	**0.31**	**0.23**	**0.86**	**0.65**	AqTot	mg/L	4/24/09	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	4/24/09	200.8	DS
Nickel	**0.007**	**0.004**	**0.005**	**0.007**	AqTot	mg/L	4/24/09	200.8	DS
Selenium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS

Sample ID:	MW-9	MW-3	MW-Dup	MW-6					
Lab Sample ID:	78343.05	78343.06	78343.08	78343.09					
Matrix:	aqueous	aqueous	aqueous	aqueous					
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09					
Antimony	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Arsenic	**0.002**	**0.002**	**0.002**	**0.004**	AqTot	mg/L	4/24/09	200.8	DS
Barium	**0.046**	**0.050**	**0.046**	**0.028**	AqTot	mg/L	4/24/09	200.8	DS
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Chromium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Lead	< 0.001	**0.004**	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Manganese	**1.4**	**0.40**	**1.4**	**1.5**	AqTot	mg/L	4/24/09	200.8	DS
Mercury	< 0.0001	< 0.0001	< 0.0001	< 0.0001	AqTot	mg/L	4/24/09	200.8	DS
Nickel	**0.004**	**0.003**	**0.004**	**0.002**	AqTot	mg/L	4/24/09	200.8	DS
Selenium	< 0.001	**0.005**	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	AqTot	mg/L	4/24/09	200.8	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID: MW-8

Lab Sample ID: 78343.1
Matrix: aqueous
Date Sampled: 4/20/09
Date Received: 4/22/09

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Antimony	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Arsenic	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Barium	**0.029**	AqTot	mg/L	4/24/09	200.8	DS
Cadmium	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Chromium	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Lead	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Manganese	**5.8**	AqTot	mg/L	4/24/09	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	4/24/09	200.8	DS
Nickel	**0.005**	AqTot	mg/L	4/24/09	200.8	DS
Selenium	< 0.001	AqTot	mg/L	4/24/09	200.8	DS
Thallium	< 0.001	AqTot	mg/L	4/24/09	200.8	DS

Eastern Analytical, Inc. ID#: 78343

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	Units	Date of Analysis	Method
Antimony	< 0.001	1.1 (110 %R)	mg/L	4/24/09	200.8
Arsenic	< 0.001	1.0 (100 %R)	mg/L	4/24/09	200.8
Barium	< 0.001	0.98 (98 %R)	mg/L	4/24/09	200.8
Cadmium	< 0.001	0.96 (96 %R)	mg/L	4/24/09	200.8
Chromium	< 0.001	0.99 (99 %R)	mg/L	4/24/09	200.8
Lead	< 0.001	0.92 (92 %R)	mg/L	4/24/09	200.8
Manganese	< 0.005	1.0 (100 %R)	mg/L	4/24/09	200.8
Mercury	< 0.0001	0.0010 (104 %R)	mg/L	4/24/09	200.8
Nickel	< 0.001	0.97 (97 %R)	mg/L	4/24/09	200.8
Selenium	< 0.001	0.94 (94 %R)	mg/L	4/24/09	200.8
Thallium	< 0.001	0.93 (93 %R)	mg/L	4/24/09	200.8

Parameter Name	Matrix Spike	Matrix Spike Duplicate
Antimony	1.2 (121 %R)	1.2 (125 %R) (3 RPD)
Arsenic	1.1 (114 %R)	1.2 (115 %R) (1 RPD)
Barium	1.2 (105 %R)	1.3 (108 %R) (3 RPD)
Cadmium	1.0 (103 %R)	1.1 (106 %R) (3 RPD)
Chromium	1.0 (102 %R)	1.0 (103 %R) (1 RPD)
Lead	0.96 (96 %R)	0.99 (99 %R) (3 RPD)
Manganese	1.0 (102 %R)	1.0 (102 %R) (0 RPD)
Mercury	0.0011 (112 %R)	0.0011 (111 %R) (1 RPD)
Nickel	1.1 (95 %R)	1.1 (95 %R) (0 RPD)
Selenium	1.1 (108 %R)	1.1 (110 %R) (2 RPD)
Thallium	0.97 (97 %R)	0.98 (98 %R) (1 RPD)

Eastern Analytical, Inc. ID#: 78343 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Metals QA/QC and Narrative Report

QA/QC:	LCS	MS	MSD
Matrix:	Aqueous	Aqueous	Aqueous
Units:	%	%	%
EPA Method:	200.7/200.8	200.7/200.8	200.7/200.8
Aluminum	85-115	70-130	70-130
Antimony	85-115	70-130	70-130
Arsenic	85-115	70-130	70-130
Barium	85-115	70-130	70-130
Beryllium	85-115	70-130	70-130
Boron	85-115	70-130	70-130
Cadmium	85-115	70-130	70-130
Calcium	85-115	70-130	70-130
Chromium	85-115	70-130	70-130
Cobalt	85-115	70-130	70-130
Copper	85-115	70-130	70-130
Iron	85-115	70-130	70-130
Lead	85-115	70-130	70-130
Magnesium	85-115	70-130	70-130
Manganese	85-115	70-130	70-130
Mercury	85-115	70-130	70-130
Molybdenum	85-115	70-130	70-130
Nickel	85-115	70-130	70-130
Phosphorus	85-115	70-130	70-130
Potassium	85-115	70-130	70-130
Selenium	85-115	70-130	70-130
Silicon	85-115	70-130	70-130
Silver	85-115	70-130	70-130
Sodium	85-115	70-130	70-130
Thallium	85-115	70-130	70-130
Tin	85-115	70-130	70-130
Titanium	85-115	70-130	70-130
Vanadium	85-115	70-130	70-130
Zinc	85-115	70-130	70-130

Samples were analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
There were no exceptions in the analyses, unless noted below.

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

FOR 78343

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX 524.2 MTBE ONLY	VOC: 624 (8260B) VTICs 1,4 DIOXANE EDB DBCP	VOC: 8021B BTEX HALOS	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270C (625) SVTICs ABN A BN PAH	SVOC: TPH8100 LI L2	SVOC: 8015B DRO MEDRO MAEPH	SVOC: 608 PEST/PCB PEST 8081A PCB 8082	SVOC: OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 VOC PEST ABN METALS HERB	METALS: DISSOLVED METALS (LIST BELOW) VGES Metals	METALS: TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON	INORGANICS: BR CL F SO4 NO2 NO3 NO2/NO3	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH3 T. PHOS.	INORGANICS: pH T. RES. CHLORINE	INORGANICS: COD PHENOLS TOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI	MICRO: ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: VOCs Petro only	OTHER: 8270C PAH only	# OF CONTAINERS	NOTES MEOH VIAL #
MW-1	4/20/09 0937	GW	G											1												2	1	4	
MW-2	4/20/09 1044	GW	G		2			1						1														4	
MW-5	4/20/09 1221				2			1						1														4	
MW-7	4/20/09 1343				2			1						1														4	
MW-9	4/20/09 1347				2			1						1														4	
MW-3	4/20/09 1405				2									1														3	
MW-4	4/20/09 1445				2																							2	
MW-DUP	4/20/09 1200				2			1						1														4	
MW-6	4/20/09 1620				2			1						1														4	
MW-8	4/20/09 1655				2			1						1														4	
MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER					HCl			None						N												HCl	None		
PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH																													

PROJECT MANAGER: Rhonda Kay
COMPANY: The Johnson Company
ADDRESS: 100 State St Suite 600
CITY: Montpelier STATE: VT ZIP: 05602
PHONE: (802) 229-4600 EXT.:
FAX: (802) 229-5876
E-MAIL: RTK@jcomail.com, MJM@jcomail.com
SITE NAME: Richmond Creamery
PROJECT #: 1-0346-3
STATE: NH MA ME (VT) OTHER:
REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:
QUOTE #: PO #:

DATE NEEDED: 2 weeks

QA/QC REPORTING LEVEL: A (B) C OR MA MCP PRESUMPTIVE CERTAINTY

REPORTING OPTIONS: PRELIMS: (YES) OR NO; IF YES: FAX OR (PDF)

ELECTRONIC OPTIONS: NO FAX (E-MAIL) PDF EQUIS

TEMP. 3 °C ICE? (YES) NO

SAMPLER(S): Trystan Hardy / Kerry Smith

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	4/22/09	1030	
	4/22/09	14:34	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

VGES Metals
METALS: 8 RCRA 13 PP FE, MN PB, CU
OTHER METALS:
DISSOLVED METALS FIELD FILTERED? YES NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)
Use low detection level SIM for PAH range

For MW-1, VOCs 8260B petroleum range only, and 8270C PAH range only

SITE HISTORY:
SUSPECTED CONTAMINATION:
FIELD READINGS:

eastern analytical, inc.
professional laboratory services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER_SERVICE@EAILABS.COM | WWW.EAILABS.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

eastern analytical

professional laboratory services

Rhonda Kay
The Johnson Company
100 State Street
Montpelier , VT 05602

Subject: Laboratory Report

Eastern Analytical, Inc. ID:	78344
Client Identification:	Richmond Creamery | 1-0346-3
Date Received:	4/22/2009

Dear Ms. Kay :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. (EAI) certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

This report package contains the following information: Sample Conditions summary, Analytical Results/Data and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

Analytical Deviation & QA/QC Documentation:
Quality Control Samples associated with this project are included in this report. At a minimum, a Method Blank and Laboratory Control Sample (LCS) are reported. Matrix Spikes and Duplicates are reported where applicable. Deviations are narrated on the QC pages.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director — 5.8.09 Date — 21 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Temperature upon receipt (°C): 2 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
78344.01	SS-T-5 0-0.5'	4/22/09	4/20/09	soil	80.0	Adheres to Sample Acceptance Policy
78344.02	SS-T-5 1.5-2.0'	4/22/09	4/20/09	soil	85.2	Adheres to Sample Acceptance Policy
78344.03	SS-DP 0-0.5'	4/22/09	4/20/09	soil	71.9	Adheres to Sample Acceptance Policy
78344.04	SS-DP 1.5-2.0'	4/22/09	4/20/09	soil	80.8	Adheres to Sample Acceptance Policy
78344.05	SS-PT-3 0-0.5'	4/22/09	4/20/09	soil	72.3	Adheres to Sample Acceptance Policy
78344.06	SS-PT-3 1.5-2.0'	4/22/09	4/20/09	soil	78.5	Adheres to Sample Acceptance Policy
78344.07	SS-BB-01 0-0.5'	4/22/09	4/20/09	soil	84.0	Adheres to Sample Acceptance Policy
78344.08	SS-BB-01 1.5-2.0'	4/22/09	4/20/09	soil	83.9	Adheres to Sample Acceptance Policy
78344.09	SS-AST-2 0-0.5'	4/22/09	4/20/09	soil	78.6	Adheres to Sample Acceptance Policy
78344.1	SS-AST-2 1.5-2.0'	4/22/09	4/20/09	soil	84.6	Adheres to Sample Acceptance Policy
78344.11	SS-T-1 0-0.5'	4/22/09	4/20/09	soil	95.1	Adheres to Sample Acceptance Policy
78344.12	SS-T-1 1.5-2.0'	4/22/09	4/20/09	soil	94.1	Adheres to Sample Acceptance Policy
78344.13	SS-T-2 0-0.5'	4/22/09	4/20/09	soil	92.0	Adheres to Sample Acceptance Policy
78344.14	SS-T-2 1.5-2.0'	4/22/09	4/20/09	soil	94.6	Adheres to Sample Acceptance Policy
78344.15	SS-T-DP	4/22/09	4/20/09	soil	94.4	Adheres to Sample Acceptance Policy
78344.16	SS-T-3 0-0.5'	4/22/09	4/20/09	soil	94.1	Adheres to Sample Acceptance Policy
78344.17	SS-T-3 1.5-2.0'	4/22/09	4/20/09	soil	95.2	Adheres to Sample Acceptance Policy
78344.18	SS-T-4 0-0.5'	4/22/09	4/20/09	soil	79.8	Adheres to Sample Acceptance Policy
78344.19	SS-T-4 1.5-2.0'	4/22/09	4/20/09	soil	80.3	Adheres to Sample Acceptance Policy
78344.2	Trip Blank	4/22/09	4/20/09	soil	100.0	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-T-5 0-0.5'	SS-T-5 1.5-2.0'	SS-DP 0-0.5'	SS-DP 1.5-2.0'	SS-PT-3 0-0.5'	SS-PT-3 1.5-2.0'	SS-BB-01 0-0.5'
Lab Sample ID:	78344.01	78344.02	78344.03	78344.04	78344.05	78344.06	78344.07
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	4/30/09	4/30/09	4/30/09	4/30/09	4/30/09	4/30/09	4/30/09
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	1	1	2	1	2	1	1
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.1	< 0.2	< 0.1	< 0.2	< 0.1	< 0.1
Benzene	< 0.07	< 0.06	< 0.09	< 0.05	< 0.09	< 0.06	< 0.07
1,2-Dichloroethane	< 0.07	< 0.06	< 0.09	< 0.05	< 0.09	< 0.06	< 0.07
Toluene	< 0.07	< 0.06	< 0.09	< 0.05	< 0.09	< 0.06	< 0.07
1,2-Dibromoethane(EDB)	< 0.07	< 0.06	< 0.09	< 0.05	< 0.09	< 0.06	< 0.07
Ethylbenzene	< 0.07	< 0.06	< 0.09	< 0.05	< 0.09	< 0.06	< 0.07
mp-Xylene	< 0.07	< 0.06	< 0.09	< 0.05	< 0.09	< 0.06	< 0.07
o-Xylene	< 0.07	< 0.06	< 0.09	< 0.05	< 0.09	< 0.06	< 0.07
1,3,5-Trimethylbenzene	< 0.07	< 0.06	< 0.09	< 0.05	< 0.09	< 0.06	< 0.07
1,2,4-Trimethylbenzene	< 0.07	< 0.06	< 0.09	< 0.05	< 0.09	< 0.06	< 0.07
Naphthalene	< 0.4	< 0.3	< 0.5	< 0.3	< 0.5	< 0.3	< 0.4
4-Bromofluorobenzene (surr)	**91 %R**	**92 %R**	**96 %R**	**91 %R**	**99 %R**	**93 %R**	**94 %R**
1,2-Dichlorobenzene-d4 (surr)	**105 %R**	**105 %R**	**103 %R**	**104 %R**	**105 %R**	**105 %R**	**103 %R**
Toluene-d8 (surr)	**99 %R**	**100 %R**	**99 %R**	**99 %R**	**99 %R**	**100 %R**	**99 %R**

GC/MS analysis was employed for the determination of the 8021B compound list.
SS-T-5 0-0.5', SS-T-5 1.5-2.0', SS-DP 0-0.5', SS-PT-3 0-0.5', SS-PT-3 1.5-2.0', SS-BB-01 0-0.5': Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-BB-01 1.5-2.0'	SS-AST-2 0-0.5'	SS-AST-2 1.5-2.0'	SS-T-1 0-0.5'	SS-T-1 1.5-2.0'	SS-T-2 0-0.5'	SS-T-2 1.5-2.0'
Lab Sample ID:	78344.08	78344.09	78344.1	78344.11	78344.12	78344.13	78344.14
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	4/30/09	4/30/09	4/30/09	4/30/09	4/30/09	4/30/09	5/1/09
Analyst:	VG	VG	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	2	1	1	1	1	1	1
Methyl-t-butyl ether(MTBE)	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzene	< 0.08	< 0.06	< 0.05	< 0.05	< 0.05	< 0.06	< 0.06
1,2-Dichloroethane	< 0.08	< 0.06	< 0.05	< 0.05	< 0.05	< 0.06	< 0.06
Toluene	< 0.08	**0.14**	**0.05**	< 0.05	< 0.05	< 0.06	< 0.06
1,2-Dibromoethane(EDB)	< 0.08	< 0.06	< 0.05	< 0.05	< 0.05	< 0.06	< 0.06
Ethylbenzene	< 0.08	**0.07**	**0.37**	< 0.05	< 0.05	< 0.06	< 0.06
mp-Xylene	< 0.08	**1.3**	**2.3**	< 0.05	< 0.05	< 0.06	< 0.06
o-Xylene	< 0.08	**1.2**	**1.5**	< 0.05	< 0.05	< 0.06	< 0.06
1,3,5-Trimethylbenzene	< 0.08	**9.3**	**4.8**	< 0.05	< 0.05	< 0.06	< 0.06
1,2,4-Trimethylbenzene	< 0.08	**5.1**	**9.7**	< 0.05	< 0.05	< 0.06	< 0.06
Naphthalene	< 0.5	**5.1**	**8.4**	< 0.3	< 0.3	< 0.3	< 0.4
4-Bromofluorobenzene (surr)	**93 %R**	**190 %R**	**129 %R**	**94 %R**	**91 %R**	**95 %R**	**94 %R**
1,2-Dichlorobenzene-d4 (surr)	**104 %R**	**108 %R**	**105 %R**	**107 %R**	**105 %R**	**103 %R**	**102 %R**
Toluene-d8 (surr)	**99 %R**	**100 %R**	**98 %R**	**98 %R**	**99 %R**	**97 %R**	**98 %R**

GC/MS analysis was employed for the determination of the 8021B compound list.
SS-BB-01 1.5-2.0', SS-AST-2 0-0.5', SS-T-2 0-0.5', SS-T-2 1.5-2.0': Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.
SS-AST-2 0-0.5', SS-AST-2 1.5-2.0': Non target interference in the samples resulted in recovery outside of the acceptance control limits of 74-121%R for the surrogate 4-Bromofluorobenzene (surr).

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-T-DP	SS-T-3 0-0.5'	SS-T-3 1.5-2.0'	SS-T-4 0-0.5'	SS-T-4 1.5-2.0'	Trip Blank
Lab Sample ID:	78344.15	78344.16	78344.17	78344.18	78344.19	78344.2
Matrix:	soil	soil	soil	soil	soil	soil
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	5/1/09	5/1/09	5/1/09	5/1/09	5/1/09	5/1/09
Analyst:	VG	VG	VG	VG	VG	VG
Method:	8260B	8260B	8260B	8260B	8260B	8260B
Dilution Factor:	2	1	1	1	1	1
Methyl-t-butyl ether(MTBE)	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzene	< 0.1	< 0.07	< 0.06	< 0.06	< 0.07	< 0.05
1,2-Dichloroethane	< 0.1	< 0.07	< 0.06	< 0.06	< 0.07	< 0.05
Toluene	< 0.1	< 0.07	< 0.06	< 0.06	< 0.07	< 0.05
1,2-Dibromoethane(EDB)	< 0.1	< 0.07	< 0.06	< 0.06	< 0.07	< 0.05
Ethylbenzene	< 0.1	< 0.07	< 0.06	< 0.06	< 0.07	< 0.05
mp-Xylene	< 0.1	< 0.07	< 0.06	< 0.06	< 0.07	< 0.05
o-Xylene	< 0.1	< 0.07	< 0.06	< 0.06	< 0.07	< 0.05
1,3,5-Trimethylbenzene	< 0.1	< 0.07	< 0.06	< 0.06	< 0.07	< 0.05
1,2,4-Trimethylbenzene	< 0.1	< 0.07	< 0.06	< 0.06	< 0.07	< 0.05
Naphthalene	< 0.6	< 0.4	< 0.4	< 0.3	< 0.4	< 0.3
4-Bromofluorobenzene (surr)	**97 %R**	**95 %R**	**96 %R**	**96 %R**	**95 %R**	**94 %R**
1,2-Dichlorobenzene-d4 (surr)	**101 %R**	**102 %R**	**101 %R**	**104 %R**	**102 %R**	**100 %R**
Toluene-d8 (surr)	**100 %R**	**100 %R**	**100 %R**	**99 %R**	**100 %R**	**100 %R**

GC/MS analysis was employed for the determination of the 8021B compound list.
SS-T-DP, SS-T-3 0-0.5', SS-T-3 1.5-2.0', SS-T-4 0-0.5', SS-T-4 1.5-2.0': Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.

Eastern Analytical, Inc. ID#: 78344 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
Dichlorodifluoromethane	< 0.1			mg/kg	4/30/09	8260B
Chloromethane	< 0.1			mg/kg	4/30/09	8260B
Vinyl chloride	< 0.1			mg/kg	4/30/09	8260B
Bromomethane	< 0.1			mg/kg	4/30/09	8260B
Chloroethane	< 0.1			mg/kg	4/30/09	8260B
Trichlorofluoromethane	< 0.1			mg/kg	4/30/09	8260B
Diethyl Ether	< 0.05			mg/kg	4/30/09	8260B
Acetone	< 2			mg/kg	4/30/09	8260B
1,1-Dichloroethene	< 0.05	1.2 (118 %R)	0.97 (97 %R) (20 RPD)	mg/kg	4/30/09	8260B
tert-Butyl Alcohol (TBA)	< 2			mg/kg	4/30/09	8260B
Methylene chloride	< 0.1			mg/kg	4/30/09	8260B
Carbon disulfide	< 0.1			mg/kg	4/30/09	8260B
Methyl-t-butyl ether(MTBE)	< 0.1			mg/kg	4/30/09	8260B
Ethyl-t-butyl ether(ETBE)	< 0.1			mg/kg	4/30/09	8260B
Isopropyl ether(DIPE)	< 0.1			mg/kg	4/30/09	8260B
tert-amyl methyl ether(TAME)	< 0.1			mg/kg	4/30/09	8260B
trans-1,2-Dichloroethene	< 0.05			mg/kg	4/30/09	8260B
1,1-Dichloroethane	< 0.05			mg/kg	4/30/09	8260B
2,2-Dichloropropane	< 0.05			mg/kg	4/30/09	8260B
cis-1,2-Dichloroethene	< 0.05			mg/kg	4/30/09	8260B
2-Butanone(MEK)	< 0.5			mg/kg	4/30/09	8260B
Bromochloromethane	< 0.05			mg/kg	4/30/09	8260B
Tetrahydrofuran(THF)	< 0.5			mg/kg	4/30/09	8260B
Chloroform	< 0.05			mg/kg	4/30/09	8260B
1,1,1-Trichloroethane	< 0.05			mg/kg	4/30/09	8260B
Carbon tetrachloride	< 0.05			mg/kg	4/30/09	8260B
1,1-Dichloropropene	< 0.05			mg/kg	4/30/09	8260B
Benzene	< 0.05	1.2 (116 %R)	0.97 (97 %R) (18 RPD)	mg/kg	4/30/09	8260B
1,2-Dichloroethane	< 0.05			mg/kg	4/30/09	8260B
Trichloroethene	< 0.05	1.2 (117 %R)	0.98 (98 %R) (18 RPD)	mg/kg	4/30/09	8260B
1,2-Dichloropropane	< 0.05			mg/kg	4/30/09	8260B
Dibromomethane	< 0.05			mg/kg	4/30/09	8260B
Bromodichloromethane	< 0.05			mg/kg	4/30/09	8260B
4-Methyl-2-pentanone(MIBK)	< 0.5			mg/kg	4/30/09	8260B
cis-1,3-Dichloropropene	< 0.05			mg/kg	4/30/09	8260B
Toluene	< 0.05	1.2 (122 %R)	1.0 (102 %R) (18 RPD)	mg/kg	4/30/09	8260B
trans-1,3-Dichloropropene	< 0.05			mg/kg	4/30/09	8260B
1,1,2-Trichloroethane	< 0.05			mg/kg	4/30/09	8260B
2-Hexanone	< 0.1			mg/kg	4/30/09	8260B
Tetrachloroethene	< 0.05			mg/kg	4/30/09	8260B
1,3-Dichloropropane	< 0.05			mg/kg	4/30/09	8260B
Dibromochloromethane	< 0.05			mg/kg	4/30/09	8260B
1,2-Dibromoethane(EDB)	< 0.05			mg/kg	4/30/09	8260B
Chlorobenzene	< 0.05	1.2 (122 %R)	1.0 (102 %R) (18 RPD)	mg/kg	4/30/09	8260B

Eastern Analytical, Inc. ID#: 78344 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCS Dup	Units	Date of Analysis	Method
1,1,1,2-Tetrachloroethane	< 0.05			mg/kg	4/30/09	8260B
Ethylbenzene	< 0.05			mg/kg	4/30/09	8260B
mp-Xylene	< 0.05			mg/kg	4/30/09	8260B
o-Xylene	< 0.05			mg/kg	4/30/09	8260B
Styrene	< 0.05			mg/kg	4/30/09	8260B
Bromoform	< 0.05			mg/kg	4/30/09	8260B
IsoPropylbenzene	< 0.05			mg/kg	4/30/09	8260B
Bromobenzene	< 0.05			mg/kg	4/30/09	8260B
1,1,2,2-Tetrachloroethane	< 0.05			mg/kg	4/30/09	8260B
1,2,3-Trichloropropane	< 0.05			mg/kg	4/30/09	8260B
n-Propylbenzene	< 0.05			mg/kg	4/30/09	8260B
2-Chlorotoluene	< 0.05			mg/kg	4/30/09	8260B
4-Chlorotoluene	< 0.05			mg/kg	4/30/09	8260B
1,3,5-Trimethylbenzene	< 0.05			mg/kg	4/30/09	8260B
tert-Butylbenzene	< 0.05			mg/kg	4/30/09	8260B
1,2,4-Trimethylbenzene	< 0.05			mg/kg	4/30/09	8260B
sec-Butylbenzene	< 0.05			mg/kg	4/30/09	8260B
1,3-Dichlorobenzene	< 0.05			mg/kg	4/30/09	8260B
p-Isopropyltoluene	< 0.05			mg/kg	4/30/09	8260B
1,4-Dichlorobenzene	< 0.05			mg/kg	4/30/09	8260B
1,2-Dichlorobenzene	< 0.05			mg/kg	4/30/09	8260B
n-Butylbenzene	< 0.05			mg/kg	4/30/09	8260B
1,2-Dibromo-3-chloropropane	< 0.05			mg/kg	4/30/09	8260B
1,3,5-Trichlorobenzene	< 0.05			mg/kg	4/30/09	8260B
1,2,4-Trichlorobenzene	< 0.05			mg/kg	4/30/09	8260B
Hexachlorobutadiene	< 0.05			mg/kg	4/30/09	8260B
Naphthalene	< 0.1			mg/kg	4/30/09	8260B
1,2,3-Trichlorobenzene	< 0.05			mg/kg	4/30/09	8260B
4-Bromofluorobenzene (surr)	92 %R	96 %R	98 %R	% Rec	4/30/09	8260B
1,2-Dichlorobenzene-d4 (surr)	105 %R	102 %R	100 %R	% Rec	4/30/09	8260B
Toluene-d8 (surr)	99 %R	100 %R	98 %R	% Rec	4/30/09	8260B

Eastern Analytical, Inc. ID#: 78344 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Volatile Organic Compounds QC limits and Narrative Summary

Matrix:	Solid	RPD	Aqueous	RPD
Units:	%	%	%	%
EPA Method	8260B		8260B	
Surrogate Recovery				
4-Bromofluorobenzene	74-121		86-115	
1,2-Dichlorobenzene-D4	80-120		80-120	
Toluene-d8	70-130		70-130	
Matrix Spike Recovery				
1,1-Dichloroethene	59-172	30	61-145	20
Trichloroethene	62-137	30	71-120	20
Benzene	66-142	30	76-127	20
Toluene	59-139	30	76-125	20
Chlorobenzene	60-133	30	75-130	20

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-T-5 0-0.5'	SS-T-5 1.5-2.0'	SS-DP 0-0.5'	SS-DP 1.5-2.0'	SS-PT-3 0-0.5'	SS-PT-3 1.5-2.0'	SS-BB-01 0-0.5'	SS-BB-01 1.5-2.0'
Lab Sample ID:	78344.01	78344.02	78344.03	78344.04	78344.05	78344.06	78344.07	78344.08
Matrix:	soil	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	4/29/09	4/29/09	4/29/09	4/29/09	4/29/09	4/29/09	4/29/09	4/29/09
Date of Analysis:	5/5/09	5/5/09	5/6/09	5/4/09	5/5/09	5/4/09	5/6/09	5/6/09
Analyst:	BML	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	3	1	1	1	2	2
Naphthalene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	< 0.02	< 0.02	**0.02**	< 0.02	< 0.02	< 0.02	**0.02**	**0.03**
Acenaphthylene	**0.10**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.02**
Acenaphthene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Phenanthrene	**0.06**	**0.14**	**0.03**	< 0.02	**0.02**	< 0.02	**0.03**	**0.10**
Anthracene	**0.05**	**0.04**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	**0.02**
Fluoranthene	**0.34**	**0.18**	**0.05**	< 0.02	**0.04**	< 0.02	**0.10**	**0.19**
Pyrene	**0.39**	**0.16**	**0.05**	< 0.02	**0.04**	< 0.02	**0.11**	**0.22**
Benzo[a]anthracene	**0.18**	**0.08**	**0.02**	< 0.02	< 0.02	< 0.02	**0.05**	**0.10**
Chrysene	**0.22**	**0.08**	**0.03**	< 0.02	**0.02**	< 0.02	**0.06**	**0.12**
Benzo[b]fluoranthene	**0.46**	**0.11**	**0.05**	< 0.02	**0.04**	< 0.02	**0.11**	**0.21**
Benzo[k]fluoranthene	**0.16**	**0.04**	< 0.02	< 0.02	< 0.02	< 0.02	**0.03**	**0.07**
Benzo[a]pyrene	**0.29**	**0.08**	**0.03**	< 0.01	**0.02**	< 0.01	**0.07**	**0.12**
Indeno[1,2,3-cd]pyrene	**0.18**	**0.05**	< 0.02	< 0.02	< 0.02	< 0.02	**0.04**	**0.07**
Dibenz[a,h]anthracene	**0.04**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Benzo[g,h,i]perylene	**0.17**	**0.05**	< 0.02	< 0.02	< 0.02	< 0.02	**0.04**	**0.06**
p-Terphenyl-D14 (surr)	**70 %R**	**52 %R**	**73 %R**	**48 %R**	**47 %R**	**40 %R**	**95 %R**	**102 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-AST-2 0-0.5'	SS-AST-2 1.5-2.0'	SS-T-1 0-0.5'	SS-T-1 1.5-2.0'	SS-T-2 0-0.5'	SS-T-2 1.5-2.0'	SS-T-DP	SS-T-3 0-0.5'
Lab Sample ID:	78344.09	78344.1	78344.11	78344.12	78344.13	78344.14	78344.15	78344.16
Matrix:	soil	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09	4/22/09
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	4/29/09	4/30/09	4/30/09	4/30/09	4/30/09	4/30/09	4/30/09	4/30/09
Date of Analysis:	5/6/09	5/6/09	5/6/09	5/4/09	5/5/09	5/4/09	5/6/09	5/5/09
Analyst:	BML	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	253	23	2	1	1	1	2	1
Naphthalene	**4.1**	**7.3**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	**38**	**47**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Acenaphthylene	**1.8**	**0.55**	**0.12**	< 0.02	**0.08**	< 0.02	**0.06**	**0.10**
Acenaphthene	**16**	**2.9**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Fluorene	**30**	**7.2**	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Phenanthrene	**48**	**11**	**0.07**	< 0.02	**0.04**	< 0.02	**0.05**	**0.06**
Anthracene	< 0.8	< 0.07	**0.04**	< 0.02	**0.03**	< 0.02	< 0.02	**0.05**
Fluoranthene	**8.5**	**1.5**	**0.41**	< 0.02	**0.23**	< 0.02	**0.23**	**0.30**
Pyrene	**37**	**4.6**	**0.58**	< 0.02	**0.28**	< 0.02	**0.31**	**0.35**
Benzo[a]anthracene	**2.0**	**0.52**	**0.23**	< 0.02	**0.13**	< 0.02	**0.12**	**0.16**
Chrysene	**1.3**	**0.40**	**0.28**	< 0.02	**0.15**	< 0.02	**0.15**	**0.18**
Benzo[b]fluoranthene	**1.4**	**0.46**	**0.59**	< 0.02	**0.29**	< 0.02	**0.30**	**0.38**
Benzo[k]fluoranthene	< 0.8	**0.15**	**0.19**	< 0.02	**0.10**	< 0.02	**0.10**	**0.13**
Benzo[a]pyrene	**1.3**	**0.39**	**0.40**	< 0.01	**0.21**	< 0.01	**0.20**	**0.25**
Indeno[1,2,3-cd]pyrene	< 0.8	**0.16**	**0.28**	< 0.02	**0.13**	< 0.02	**0.16**	**0.16**
Dibenz[a,h]anthracene	< 0.8	< 0.07	**0.05**	< 0.02	**0.03**	< 0.02	**0.03**	**0.03**
Benzo[g,h,i]perylene	< 0.8	**0.18**	**0.28**	< 0.02	**0.13**	< 0.02	**0.17**	**0.16**
p-Terphenyl-D14 (surr)	**DOR**	**DOR**	**106 %R**	**46 %R**	**52 %R**	**52 %R**	**69 %R**	**59 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-T-3 1.5-2.0'	SS-T-4 0-0.5'	SS-T-4 1.5-2.0'
Lab Sample ID:	78344.17	78344.18	78344.19
Matrix:	soil	soil	soil
Date Sampled:	4/20/09	4/20/09	4/20/09
Date Received:	4/22/09	4/22/09	4/22/09
Units:	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	4/30/09	4/30/09	4/30/09
Date of Analysis:	5/5/09	5/5/09	5/5/09
Analyst:	BML	BML	BML
Method:	8270D	8270D	8270D
Dilution Factor:	1	1	1
Naphthalene	< 0.02	< 0.02	< 0.02
2-Methylnaphthalene	< 0.02	< 0.02	< 0.02
Acenaphthylene	< 0.02	**0.11**	< 0.02
Acenaphthene	< 0.02	< 0.02	< 0.02
Fluorene	< 0.02	< 0.02	< 0.02
Phenanthrene	< 0.02	**0.14**	< 0.02
Anthracene	< 0.02	**0.06**	< 0.02
Fluoranthene	**0.02**	**0.42**	**0.04**
Pyrene	**0.03**	**0.46**	**0.04**
Benzo[a]anthracene	< 0.02	**0.20**	< 0.02
Chrysene	< 0.02	**0.24**	**0.02**
Benzo[b]fluoranthene	**0.03**	**0.47**	**0.04**
Benzo[k]fluoranthene	< 0.02	**0.14**	< 0.02
Benzo[a]pyrene	**0.02**	**0.32**	**0.02**
Indeno[1,2,3-cd]pyrene	**0.02**	**0.22**	< 0.02
Dibenz[a,h]anthracene	< 0.02	**0.04**	< 0.02
Benzo[g,h,i]perylene	**0.03**	**0.21**	**0.02**
p-Terphenyl-D14 (surr)	**49 %R**	**48 %R**	**40 %R**

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

DOR: Diluted out of calibration range.

SS-BB-01 0-0.5', SS-BB-01 1.5-2.0', SS-AST-2 1.5-2.0': The internal standard Perylene-d12 deviated low within the sample. Sample matrix interference is suspected.

SS-T-1 0-0.5', SS-T-DP: The internal standards 1,4-Dichlorobenzene-d14, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12, and Perylene-d12 deviated low within the sample. Sample matrix interference is suspected.

*Acenaphthene deviated below the QA/QC limit within the LCSD. This analyte is within acceptable limits within the LCS.

Eastern Analytical, Inc. ID#: 78344 **Batch ID:** 733526-54773/S042909PAH1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Naphthalene	< 0.02	0.24 (36 %R)	0.22 (33 %R) (9 RPD)	mg/kg	30 - 160	50	8270D
2-Methylnaphthalene	< 0.02	0.27 (41 %R)	0.24 (36 %R) (13 RPD)	mg/kg	30 - 160	50	8270D
Acenaphthylene	< 0.02	0.22 (33 %R)	0.20 (30 %R) (10 RPD)	mg/kg	30 - 160	50	8270D
Acenaphthene	< 0.02	0.24 (36 %R)	* 0.20 (30 %R) (18 RPD)	mg/kg	31 - 137	19	8270D
Fluorene	< 0.02	0.26 (39 %R)	0.23 (34 %R) (14 RPD)	mg/kg	30 - 160	50	8270D
Phenanthrene	< 0.02	0.26 (39 %R)	0.23 (35 %R) (11 RPD)	mg/kg	30 - 160	50	8270D
Anthracene	< 0.02	0.24 (36 %R)	0.23 (34 %R) (6 RPD)	mg/kg	30 - 160	50	8270D
Fluoranthene	< 0.02	0.31 (46 %R)	0.28 (42 %R) (9 RPD)	mg/kg	30 - 160	50	8270D
Pyrene	< 0.02	0.31 (47 %R)	0.29 (44 %R) (7 RPD)	mg/kg	35 - 142	36	8270D
Benzo[a]anthracene	< 0.02	0.27 (40 %R)	0.25 (38 %R) (5 RPD)	mg/kg	30 - 160	50	8270D
Chrysene	< 0.02	0.30 (45 %R)	0.28 (42 %R) (7 RPD)	mg/kg	30 - 160	50	8270D
Benzo[b]fluoranthene	< 0.02	0.32 (48 %R)	0.30 (46 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
Benzo[k]fluoranthene	< 0.02	0.34 (51 %R)	0.31 (46 %R) (10 RPD)	mg/kg	30 - 160	50	8270D
Benzo[a]pyrene	< 0.01	0.32 (48 %R)	0.30 (45 %R) (6 RPD)	mg/kg	30 - 160	50	8270D
Indeno[1,2,3-cd]pyrene	< 0.02	0.31 (47 %R)	0.30 (45 %R) (4 RPD)	mg/kg	30 - 160	50	8270D
Dibenz[a,h]anthracene	< 0.02	0.32 (48 %R)	0.30 (45 %R) (6 RPD)	mg/kg	30 - 160	50	8270D
Benzo[g,h,i]perylene	< 0.02	0.29 (44 %R)	0.28 (42 %R) (5 RPD)	mg/kg	30 - 160	50	8270D
p-Terphenyl-D14 (surr)	51 %R	50 %R	49 %R	mg/kg	18 - 137		8270D

Eastern Analytical, Inc. ID#: 78344 **Batch ID:** 733526-54773/S042909PAH1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Polynuclear Aromatic Hydrocarbons QA/QC and Narrative Report

Matrix:	Aqueous	RPD	Solid	RPD	Oil	RPD
Units:	%	%	%	%	%	%
EPA Method:	8270D		8270D		8270D	
Naphthalene	30-160		30-160		30-160	
2-Methylnaphthalene	30-160		30-160		30-160	
Acenaphthylene	30-160		30-160		30-160	
Acenaphthene	46-118	31	31-137	19	30-160	50
Fluorene	30-160		30-160		30-160	
Phenanthrene	30-160		30-160		30-160	
Anthracene	30-160		30-160		30-160	
Fluoranthene	30-160		30-160		30-160	
Pyrene	26-127	31	35-142	36	30-160	50
Benzo[a]anthracene	30-160		30-160		30-160	
Chrysene	30-160		30-160		30-160	
Benzo[b]fluoranthene	30-160		30-160		30-160	
Benzo[k]fluoranthene	30-160		30-160		30-160	
Benzo[a]pyrene	30-160		30-160		30-160	
Indeno[1,2,3-cd]pyrene	30-160		30-160		30-160	
Dibenz[a,h]anthracene	30-160		30-160		30-160	
Benzo[g,h,i]perylene	30-160		30-160		30-160	
Surrogate (p-Terphenyl-D14)	33-141		18-137		30-160	

Samples were extracted and analyzed within holding time limits.
Instrumentation was tuned and calibrated in accordance with the method requirements.
The associated method blank(s) were free of contamination at the reporting limit.
Sample Surrogate Recoveries met the above stated criteria.
The associated matrix spike(s) and/or Laboratory Control Sample(s) met the above stated criteria.
There were no exceptions in the analyses, unless noted below.

*Acenaphthene deviated below the QA/QC limit within the LCSD. This analyte is within acceptable limits within the LCS.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-T-5 0-0.5'	SS-T-5 1.5-2.0'	SS-T-1 0-0.5'	SS-T-1 1.5-2.0'					
Lab Sample ID:	78344.01	78344.02	78344.11	78344.12					
Matrix:	soil	soil	soil	soil					
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09					
Aluminum	**7600**	**12000**	**3800**	**3800**	SolTotDry	mg/kg	4/24/09	6020	DS
Antimony	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Arsenic	**3.7**	**7.4**	**2.4**	**4.8**	SolTotDry	mg/kg	4/24/09	6020	DS
Barium	**39**	**59**	**19**	**11**	SolTotDry	mg/kg	4/24/09	6020	DS
Beryllium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Cadmium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Chromium	**12**	**21**	**7.7**	**8.7**	SolTotDry	mg/kg	4/24/09	6020	DS
Copper	**12**	**17**	**8.7**	**11**	SolTotDry	mg/kg	4/24/09	6020	DS
Cobalt	**5.1**	**9.5**	**3.5**	**5.2**	SolTotDry	mg/kg	4/24/09	6020	DS
Iron	**13000**	**22000**	**9200**	**9600**	SolTotDry	mg/kg	4/24/09	6020	DS
Lead	**23**	**12**	**18**	**4.5**	SolTotDry	mg/kg	4/24/09	6020	DS
Manganese	**240**	**310**	**210**	**230**	SolTotDry	mg/kg	4/24/09	6020	DS
Mercury	< 0.1	< 0.1	< 0.1	< 0.1	SolTotDry	mg/kg	4/24/09	6020	DS
Nickel	**16**	**25**	**9.2**	**16**	SolTotDry	mg/kg	4/24/09	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Silver	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Vanadium	**14**	**19**	**7.7**	**8.5**	SolTotDry	mg/kg	4/24/09	6020	DS
Zinc	**43**	**57**	**46**	**23**	SolTotDry	mg/kg	4/24/09	6020	DS
Tin	**0.56**	**0.52**	**0.46**	< 0.2	SolTotDry	mg/kg	5/1/09	6020	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-T-2 0-0.5'	SS-T-2 1.5-2.0'	SS-T-DP	SS-T-3 0-0.5'					
Lab Sample ID:	78344.13	78344.14	78344.15	78344.16					
Matrix:	soil	soil	soil	soil					
Date Sampled:	4/20/09	4/20/09	4/20/09	4/20/09	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	4/22/09	4/22/09	4/22/09	4/22/09					
Aluminum	**3800**	**3100**	**3700**	**4000**	SolTotDry	mg/kg	4/24/09	6020	DS
Antimony	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Arsenic	**4.1**	**5.0**	**4.2**	**3.5**	SolTotDry	mg/kg	4/24/09	6020	DS
Barium	**17**	**8.3**	**14**	**16**	SolTotDry	mg/kg	4/24/09	6020	DS
Beryllium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Cadmium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Chromium	**8.0**	**8.2**	**8.2**	**10**	SolTotDry	mg/kg	4/24/09	6020	DS
Copper	**12**	**10**	**12**	**11**	SolTotDry	mg/kg	4/24/09	6020	DS
Cobalt	**4.8**	**4.9**	**4.2**	**4.4**	SolTotDry	mg/kg	4/24/09	6020	DS
Iron	**9100**	**8000**	**9200**	**9200**	SolTotDry	mg/kg	4/24/09	6020	DS
Lead	**11**	**3.2**	**8.5**	**10**	SolTotDry	mg/kg	4/24/09	6020	DS
Manganese	**210**	**220**	**170**	**210**	SolTotDry	mg/kg	4/24/09	6020	DS
Mercury	< 0.1	< 0.1	< 0.1	< 0.1	SolTotDry	mg/kg	4/24/09	6020	DS
Nickel	**13**	**16**	**14**	**13**	SolTotDry	mg/kg	4/24/09	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Silver	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Vanadium	**7.9**	**6.8**	**7.7**	**8.1**	SolTotDry	mg/kg	4/24/09	6020	DS
Zinc	**30**	**18**	**28**	**31**	SolTotDry	mg/kg	4/24/09	6020	DS
Tin	**0.27**	< 0.2	**0.29**	**0.33**	SolTotDry	mg/kg	5/1/09	6020	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	SS-T-3 1.5-2.0'	SS-T-4 0-0.5'	SS-T-4 1.5-2.0'					
Lab Sample ID:	78344.17	78344.18	78344.19					
Matrix:	soil	soil	soil					
Date Sampled:	4/20/09	4/20/09	4/20/09	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	4/22/09	4/22/09	4/22/09					
Aluminum	**3300**	**4500**	**14000**	SolTotDry	mg/kg	4/24/09	6020	DS
Antimony	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Arsenic	**5.0**	**3.1**	**4.1**	SolTotDry	mg/kg	4/24/09	6020	DS
Barium	**8.3**	**26**	**63**	SolTotDry	mg/kg	4/24/09	6020	DS
Beryllium	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Cadmium	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Chromium	**7.5**	**8.4**	**19**	SolTotDry	mg/kg	4/24/09	6020	DS
Copper	**12**	**11**	**14**	SolTotDry	mg/kg	4/24/09	6020	DS
Cobalt	**4.7**	**4.1**	**10**	SolTotDry	mg/kg	4/24/09	6020	DS
Iron	**8200**	**10000**	**24000**	SolTotDry	mg/kg	4/24/09	6020	DS
Lead	**3.1**	**20**	**8.0**	SolTotDry	mg/kg	4/24/09	6020	DS
Manganese	**240**	**190**	**480**	SolTotDry	mg/kg	4/24/09	6020	DS
Mercury	< 0.1	< 0.1	< 0.1	SolTotDry	mg/kg	4/24/09	6020	DS
Nickel	**15**	**17**	**26**	SolTotDry	mg/kg	4/24/09	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Silver	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	4/24/09	6020	DS
Vanadium	**7.1**	**8.8**	**21**	SolTotDry	mg/kg	4/24/09	6020	DS
Zinc	**18**	**56**	**63**	SolTotDry	mg/kg	4/24/09	6020	DS
Tin	< 0.2	**0.37**	**0.28**	SolTotDry	mg/kg	5/1/09	6020	DS

Eastern Analytical, Inc. ID#: 78344

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	Units	Date of Analysis	Method
Aluminum	< 100	400 (88 %R)	mg/kg	4/24/09	6020
Antimony	< 0.5	40 (99 %R)	mg/kg	4/24/09	6020
Arsenic	< 0.5	37 (94 %R)	mg/kg	4/24/09	6020
Barium	< 0.5	37 (92 %R)	mg/kg	4/24/09	6020
Beryllium	< 0.5	38 (95 %R)	mg/kg	4/24/09	6020
Cadmium	< 0.5	37 (92 %R)	mg/kg	4/24/09	6020
Chromium	< 0.5	36 (89 %R)	mg/kg	4/24/09	6020
Copper	< 0.5	36 (91 %R)	mg/kg	4/24/09	6020
Cobalt	< 0.5	36 (89 %R)	mg/kg	4/24/09	6020
Iron	< 100	400 (94 %R)	mg/kg	4/24/09	6020
Lead	< 0.5	36 (91 %R)	mg/kg	4/24/09	6020
Manganese	< 0.5	37 (93 %R)	mg/kg	4/24/09	6020
Mercury	< 0.1	0.4 (93 %R)	mg/kg	4/24/09	6020
Nickel	< 0.5	36 (90 %R)	mg/kg	4/24/09	6020
Selenium	< 0.5	37 (92 %R)	mg/kg	4/24/09	6020
Silver	< 0.5	8.8 (88 %R)	mg/kg	4/24/09	6020
Tin	< 0.2	42 (104 %R)	mg/kg	5/1/09	6020
Thallium	< 0.5	35 (89 %R)	mg/kg	4/24/09	6020
Vanadium	< 0.5	37 (92 %R)	mg/kg	4/24/09	6020
Zinc	< 0.5	37 (92 %R)	mg/kg	4/24/09	6020

Eastern Analytical, Inc. ID#: 78344 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	MS/MSD Parent ID	MS/MSD Parent	Matrix Spike	MSD	Units	Date of Analysis	Method
Aluminum	78344.14	3100	12000 (84 %R)	13000 (87 %R) (4 RPD)	mg/kg	4/24/09	6020
Antimony	78344.14	< 0.5	1000 (104 %R)	1100 (109 %R) (5 RPD)	mg/kg	4/24/09	6020
Arsenic	78344.14	5.0	960 (95 %R)	980 (98 %R) (3 RPD)	mg/kg	4/24/09	6020
Barium	78344.14	8.3	960 (96 %R)	990 (99 %R) (3 RPD)	mg/kg	4/24/09	6020
Beryllium	78344.14	< 0.5	960 (96 %R)	990 (99 %R) (3 RPD)	mg/kg	4/24/09	6020
Cadmium	78344.14	< 0.5	960 (96 %R)	960 (96 %R) (0 RPD)	mg/kg	4/24/09	6020
Chromium	78344.14	8.2	900 (89 %R)	920 (92 %R) (3 RPD)	mg/kg	4/24/09	6020
Copper	78344.14	10	820 (81 %R)	860 (85 %R) (5 RPD)	mg/kg	4/24/09	6020
Cobalt	78344.14	4.9	880 (88 %R)	920 (91 %R) (3 RPD)	mg/kg	4/24/09	6020
Iron	78344.14	8000	18000 (91 %R)	19000 (102 %R) (11 RPD)	mg/kg	4/24/09	6020
Lead	78344.14	3.2	920 (92 %R)	920 (92 %R) (0 RPD)	mg/kg	4/24/09	6020
Manganese	78344.14	220	1100 (89 %R)	1100 (91 %R) (2 RPD)	mg/kg	4/24/09	6020
Mercury	78344.14	< 0.1	1.0 (102 %R)	1.1 (105 %R) (3 RPD)	mg/kg	4/24/09	6020
Nickel	78344.14	16	880 (86 %R)	890 (88 %R) (2 RPD)	mg/kg	4/24/09	6020
Selenium	78344.14	< 0.5	930 (93 %R)	930 (93 %R) (0 RPD)	mg/kg	4/24/09	6020
Silver	78344.14	< 0.5	840 (84 %R)	860 (86 %R) (2 RPD)	mg/kg	4/24/09	6020
Tin	78344.14	< 0.2	41 (102 %R)	41 (102 %R) (0 RPD)	mg/kg	5/1/09	6020
Thallium	78344.14	< 0.5	920 (92 %R)	930 (93 %R) (1 RPD)	mg/kg	4/24/09	6020
Vanadium	78344.14	6.8	930 (92 %R)	950 (94 %R) (2 RPD)	mg/kg	4/24/09	6020
Zinc	78344.14	18	930 (91 %R)	970 (95 %R) (4 RPD)	mg/kg	4/24/09	6020

Eastern Analytical, Inc. ID#: 78344 **Batch ID:**

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Metals QA/QC and Narrative Report

QA/QC:	LCS	MS	MSD
Matrix:	Aqueous/Soil	Aqueous/Soil	Aqueous/Soil
Units:	%	%	%
EPA Method:	6010B/6020	6010B/6020	6010B/6020
Aluminum	80-120	75-125	75-125
Antimony	80-120	75-125	75-125
Arsenic	80-120	75-125	75-125
Barium	80-120	75-125	75-125
Beryllium	80-120	75-125	75-125
Boron	80-120	75-125	75-125
Cadmium	80-120	75-125	75-125
Calcium	80-120	75-125	75-125
Chromium	80-120	75-125	75-125
Chromium III	80-120	75-125	75-125
Chromium IV	80-120	75-125	75-125
Cobalt	80-120	75-125	75-125
Copper	80-120	75-125	75-125
Iron	80-120	75-125	75-125
Lead	80-120	75-125	75-125
Magnesium	80-120	75-125	75-125
Manganese	80-120	75-125	75-125
Mercury	80-120	75-125	75-125
Molybdenum	80-120	75-125	75-125
Nickel	80-120	75-125	75-125
Phosphorus	80-120	75-125	75-125
Potassium	80-120	75-125	75-125
Selenium	80-120	75-125	75-125
Silicon	80-120	75-125	75-125
Silver	80-120	75-125	75-125
Sodium	80-120	75-125	75-125
Thallium	80-120	75-125	75-125
Tin	80-120	75-125	75-125
Titanium	80-120	75-125	75-125
Vanadium	80-120	75-125	75-125
Zinc	80-120	75-125	75-125

Samples were analyzed within holding time limits.
Instrumentation was calibrated in accordance with the method requirements.
The method blanks were free of contamination at the reporting limits.
The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.
There were no exceptions in the analyses, unless noted below.

Chain-of-Custody Record

Bold Fields Required. Please Circle Requested Analysis.

78344

Sample I.D.	Sampling Date/Time *If Composite, Indicate Both Start & Finish Date/Time	Matrix (see below)	Grab/*Composite	VOC: 524.2 / 524.2 BTEX / 524.2 MTBE only	VOC: 8260B 624 VTICs / 1,4 Dioxane EDB DBCP	VOC: 8021B BTEX Halos	VOC: 8015B GRO MEGRO MAVPH	SVOC: 8270C 625 SVTICs / ABN A BN PAH	SVOC: TPH8100 L1 L2	SVOC: 8015B DRO MEDRO MAEPH	SVOC: 608 Pest/PCB / Pest 8081A PCB 8082	SVOC: Oil & Grease 1664 TPH 1664	TCLP: TCLP 1311 ABN Metals / VOC Pest Herb	Metals: Dissolved Metals (List Below)	Metals: Total Metals (List Below)	Inorganics: TS TSS TDS Spec. Con.	Inorganics: Br Cl F SO_4 / NO_2 NO_3 NO_2/NO_3	Inorganics: BOD CBOD T. Alk.	Inorganics: TKN NH_3 T. Phos.	Inorganics: pH T. Res. Chlorine	Inorganics: COD Phenols TOC	Inorganics: Total Cyanide Total Sulfide	Inorganics: Reactive Cyanide Reactive Sulfide / Flashpoint Ignitability	Micro: T. Coliform E. Coli / F. Coliform	Micro: Enterococci / Heterotrophic Plate Count	Other: Petrol VOCs	Other: PAHs PRG	Other: VGES Metals	# of Containers	Notes MeOH Vial #
SS-T-5 0-0.5'	4/20 1130	S	G																							X	X	X	3	27996
SS-T-5 1.5-2.0'	4/20 1130	S	G																							X	X	X	3	28019
SS-DP-0-0.5'	4/20 1200	S	G																							X	X		2	2808
SS-DP-1.5-2.0'	4/20 1200	S	G																							X	X		2	28020
SS-PT-3 0-0.5'	4/20 1310	S	G																							X	X		2	28007
SS-PT-3-1.5-2.0'	4/20 1310	S	G																							X	X		2	28010
SS-BB-01 0-0.5	4/20 1345	S	G																							X	X		2	28015
SS-BB-01 1.5-2.0	4/20 1345	S	G																							X	X		2	28006
SS-AST-2 0-0.5	4/20 1410	S	G																							X	X		2	28011
SS-AST-2 1.5-2.0	4/20 1410	S	G																							X	X		2	28012

Matrix: A-Air; S-Soil; GW-Ground Water; SW-Surface Water; DW-Drinking Water; WW-Waste water

Preservative: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

Project Manager: Rhonda Kay
Company: The Johnson Company
Address: 100 State St, Ste 600
City: Montpelier **State:** VT **Zip:** 05602
Phone: (802) 229-4600 **Ext.:**
Fax: (802) 229-5876
E-Mail: MJM@jcomail.com; rtk@jcomail.com
Site Name: Richmond Creamery
Project #: 1-0346-3
State: NH MA ME (VT circled) Other:
Regulatory Program: NPDES: RGP POTW Stormwater or GWP, Oil Fund, Brownfield or Other:
Quote #: PO #:

Date Needed: 2 Weeks

Temp. 2 °C
Ice? (Yes circled) No

QA/QC Reporting Level: A (B circled) C or MA MCP Presumptive Certainty

Reporting Options
Prelims: (Yes circled) or No
If Yes: Fax or (PDF circled)

Electronic Options
No Fax (E-Mail circled) PDF Equis

Sampler(s): Mike Marotto

Relinquished By	Date	Time	Received By
[signature]	4/20/09	1710	[signature]
[signature]	4/22/09	1030	[signature]
[signature]	4/22/09	14:34	[signature]

Metals: 8 RCRA 13 PP Fe, Mn Pb, Cu
Other Metals:
Dissolved Metals Field Filtered? Yes No
Notes: (ie: Special Detection Limits, Billing Info, If Different)
SIM low level method for PAHs
VOCs (8260B) Petroleum Range only
Site History:
Suspected Contamination:
Field Readings:

eastern analytical, inc. professional laboratory services 25 Chenell Drive | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customer_service@eailabs.com | www.eailabs.com

(WHITE: Original GREEN: Project Manager)

CHAIN-OF-CUSTODY RECORD

78344

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

Sample I.D.	Sampling Date/Time (*If Composite, Indicate Both Start & Finish Date/Time)	Matrix (see below)	Grab/*Composite	VOC: 524.2 / 524.2 BTEX / 524.2 MTBE only	VOC: 8260B / 624 / VTICs / 1,4 Dioxane / EDB / DBCP	VOC: 8021B / BTEX / HALOS	VOC: 8015B GRO / MEGRO / MAVPH	SVOC: 8270C / 625 / SVTICs / ABN / A / BN / PAH	SVOC: TPH8100 / L1 / L2	SVOC: 8015B DRO / MEDRO / MAEPH	SVOC: 608 PEST/PCB / PEST 8081A / PCB 8082	SVOC: Oil & Grease 1664 / TPH 1664	TCLP: TCLP 1311 / ABN / Metals / VOC / Pest / Herb	Metals: Dissolved Metals (list below)	Metals: Total Metals (list below)	Inorganics: TS / TSS / TDS / Spec. Con.	Inorganics: Br / Cl / F / SO_4 / NO_2 / NO_3 / NO_2/NO_3	Inorganics: BOD / CBOD / T. Alk.	Inorganics: TKN / NH_3 / T. Phos.	Inorganics: pH / T. Res. Chlorine	Inorganics: COD / Phenols / TOC	Inorganics: Total Cyanide / Total Sulfide	Inorganics: Reactive Cyanide / Reactive Sulfide / Flashpoint / Ignitability	Micro: T. Coliform / E. Coli / F. Coliform	Micro: Enterococci / Heterotrophic Plate Count	Other: Petrol VOCs	Other: PAHs	Other: PPG Metals	# of Containers	Notes MeOH Vial #
SS-T-1 0-0.5'	4/20 0945	S	G																							X	X	X	3	27993
SS-T-1 1.5-2.0'	4/20 0945	S	G																							X	X	X		27995
SS-T-2 0-0.5'	4/20 1030	S	G																							X	X	X		27992
SS-T-2 1.5-2.0'	4/20 1020	S	G																							X	X	X		27994
SS-T-DP	4/20 1200	S	G																							X	X	X		27998
SS-T-3 0-0.5'	4/20 1050	S	G																							X	X	X		27997
SS-T-3 1.5-2.0'	4/20 1050	S	G																							X	X	X		27999
SS-T-4 0-0.5	4/20 1110	S	G																							X	X	X		28017
SS-T-4-1.5-2.0	4/20 1110	S	G																							X	X	X		28016
Trip Blank	4/20 0940	S	G																							X	~~X~~		1	28002

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Rhonda Kay

COMPANY: The Johnson Company

ADDRESS: 100 State St, Suite 600

CITY: Montpelier **STATE:** VT **ZIP:** 05602

PHONE: (802) 229.4600 **EXT.:**

FAX: 802 229 5876

E-MAIL: MJM@jcomail.com; rtk@jcomail.com

SITE NAME: Richmond Creamery

PROJECT #: 1-0346-3

STATE: NH MA ME (VT circled) **OTHER:**

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:

QUOTE #: **PO #:**

DATE NEEDED: 2 Weeks

TEMP. 2 °C **ICE?** (YES circled) NO

QA/QC REPORTING LEVEL A (B circled) C OR MA MCP PRESUMPTIVE CERTAINTY

REPORTING OPTIONS PRELIMS: (YES circled) OR NO; IF YES: FAX OR (PDF circled)

ELECTRONIC OPTIONS NO FAX (E-MAIL circled) PDF EQUIS

SAMPLER(S): Mike Marotto

Relinquished By	Date	Time	Received By
[signature]	4/20/09	1710	[signature]
[signature]	4/22/09	1030	[signature]
[signature]	4/22/09	14:34	[signature]

METALS: 8 RCRA 13 PP FE, MN PB, CU

OTHER METALS: PPG Metals

DISSOLVED METALS FIELD FILTERED? YES (NO circled)

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SIM low level method for PAHs

VOCs (8260B) Petroleum Range only

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

eastern analytical, inc. professional laboratory services
25 Chenell Drive | Concord, NH 03301 | Tel: 603.228.0525 | 1.800.287.0525 | Fax: 603.228.4591 | E-Mail: customer_service@eailabs.com | www.eailabs.com

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

eastern analytical

professional laboratory services

Rhonda Kay
The Johnson Company
100 State Street
Montpelier , VT 05602

Subject: Laboratory Report

Eastern Analytical, Inc. ID:	79158
Client Identification:	Richmond Creamery | 1-0346-3
Date Received:	5/18/2009

Dear Ms. Kay :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. (EAI) certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

This report package contains the following information: Sample Conditions summary, Analytical Results/Data and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

Analytical Deviation & QA/QC Documentation:
Quality Control Samples associated with this project are included in this report. At a minimum, a Method Blank and Laboratory Control Sample (LCS) are reported. Matrix Spikes and Duplicates are reported where applicable. Deviations are narrated on the QC pages.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 5.27.09 Date | 9 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 79158

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Temperature upon receipt (°C): 5 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
79158.01	MW-2	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.02	MW-7	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.03	MW-5	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.04	MW-9	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.05	MW-6	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.06	MW-8	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.07	MW-Dup	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 79158

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-2	MW-7	MW-5	MW-9	MW-6	MW-8	MW-Dup
Lab Sample ID:	79158.01	79158.02	79158.03	79158.04	79158.05	79158.06	79158.07
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09
Date Received:	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Prep:	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09
Date of Analysis:	5/20/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09
Analyst:	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1	1
Phenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dichlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,5-Trichlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,6-Trichlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pentachlorophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitrophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Nitrophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3/4-Methylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dimethylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chloro-3-methylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,6-Dinitro-2-methylphenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzoic Acid	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Fluorophenol (surr)	**55 %R**	**22 %R**	**50 %R**	***13 %R**	***0 %R**	***5 %R**	***9 %R**
Phenol-d6 (surr)	**29 %R**	**12 %R**	**27 %R**	**10 %R**	***2 %R**	***4 %R**	***7 %R**
2,4,6-Tribromophenol (surr)	**84 %R**	**44 %R**	**65 %R**	**38 %R**	***0 %R**	***0 %R**	**29 %R**

* The surrogate deviated below the QA/QC limit within the sample. Sample matrix interference is suspected.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 79158

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-2	MW-7	MW-5	MW-9	MW-6	MW-8	MW-Dup
Lab Sample ID:	79158.01	79158.02	79158.03	79158.04	79158.05	79158.06	79158.07
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09
Date Received:	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Prep:	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09
Date of Analysis:	5/20/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09
Analyst:	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1	1
N-Nitrosodimethylamine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-di-n-propylamine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitrosodiphenylamine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-Chloroethyl)ether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-chloroisopropyl)ether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-Chloroethoxy)methane	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chloronaphthalene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorophenyl-phenylether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Bromophenyl-phenylether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chloroaniline	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Nitroaniline	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3-Nitroaniline	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Nitroaniline	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzyl alcohol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Nitrobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isophorone	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dinitrotoluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,6-Dinitrotoluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzidine	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pyridine	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Azobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbazole	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dimethylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Di-n-butylphthalate	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butylbenzylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-Ethylhexyl)phthalate	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibenzofuran	< 1	< 1	< 1	< 1	< 1	< 1	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 79158

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-2	MW-7	MW-5	MW-9	MW-6	MW-8	MW-Dup
Lab Sample ID:	79158.01	79158.02	79158.03	79158.04	79158.05	79158.06	79158.07
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09
Date Received:	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Prep:	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09
Date of Analysis:	5/20/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09
Analyst:	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1	1
Naphthalene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylnaphthalene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[a]anthracene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[b]fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[k]fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[a]pyrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Indeno[1,2,3-cd]pyrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz[a,h]anthracene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[g,h,i]perylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Nitrobenzene-D5 (surr)	**88 %R**	**74 %R**	**73 %R**	**74 %R**	**76 %R**	**74 %R**	**66 %R**
2-Fluorobiphenyl (surr)	**72 %R**	**95 %R**	**96 %R**	**96 %R**	**103 %R**	**91 %R**	**89 %R**
p-Terphenyl-D14 (surr)	**106 %R**	**91 %R**	**92 %R**	**95 %R**	**97 %R**	**91 %R**	**91 %R**

Eastern Analytical, Inc. ID#: 79158 **Batch ID:** 733548-46239/A051909BaseN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Phenol	< 1	9 (37 %R)	9 (37 %R) (0 RPD)	ug/l	12 - 110	42	8270D
2-Chlorophenol	< 1	21 (85 %R)	21 (83 %R) (2 RPD)	ug/l	27 - 123	40	8270D
2,4-Dichlorophenol	< 1			ug/l			8270D
2,4,5-Trichlorophenol	< 1			ug/l			8270D
2,4,6-Trichlorophenol	< 1			ug/l			8270D
Pentachlorophenol	< 5	18 (73 %R)	18 (71 %R) (3 RPD)	ug/l	9 - 103	50	8270D
2-Nitrophenol	< 1			ug/l			8270D
4-Nitrophenol	< 5	11 (44 %R)	9 (36 %R) (20 RPD)	ug/l	10 - 80	50	8270D
2,4-Dinitrophenol	< 5			ug/l			8270D
2-Methylphenol	< 1			ug/l			8270D
3/4-Methylphenol	< 1			ug/l			8270D
2,4-Dimethylphenol	< 1			ug/l			8270D
4-Chloro-3-methylphenol	< 1	20 (81 %R)	19 (77 %R) (5 RPD)	ug/l	23 - 97	42	8270D
4,6-Dinitro-2-methylphenol	< 5			ug/l			8270D
Benzoic Acid	< 5			ug/l			8270D
2-Fluorophenol (surr)	69 %R	63 %R	62 %R	% Rec	21 - 110		8270D
Phenol-d6 (surr)	37 %R	37 %R	35 %R	% Rec	10 - 94		8270D
2,4,6-Tribromophenol (surr)	88 %R	94 %R	89 %R	% Rec	10 - 123		8270D

Eastern Analytical, Inc. ID#: 79158 **Batch ID:** 733548-46239/A051909BaseN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
N-Nitrosodimethylamine	< 1			ug/l			8270D
n-Nitroso-di-n-propylamine	< 1	22 (86 %R)	22 (87 %R) (1 RPD)	ug/l	41 - 116	38	8270D
n-Nitrosodiphenylamine	< 1			ug/l			8270D
bis(2-Chloroethyl)ether	< 1			ug/l			8270D
bis(2-chloroisopropyl)ether	< 1			ug/l			8270D
bis(2-Chloroethoxy)methane	< 1			ug/l			8270D
1,3-Dichlorobenzene	< 1			ug/l			8270D
1,4-Dichlorobenzene	< 1	15 (62 %R)	16 (62 %R) (0 RPD)	ug/l	36 - 97	28	8270D
1,2-Dichlorobenzene	< 1			ug/l			8270D
1,2,4-Trichlorobenzene	< 1	17 (67 %R)	17 (68 %R) (1 RPD)	ug/l	39 - 98	28	8270D
2-Chloronaphthalene	< 1			ug/l			8270D
4-Chlorophenyl-phenylether	< 1			ug/l			8270D
4-Bromophenyl-phenylether	< 1			ug/l			8270D
Hexachloroethane	< 1			ug/l			8270D
Hexachlorobutadiene	< 1			ug/l			8270D
Hexachlorocyclopentadiene	< 5			ug/l			8270D
Hexachlorobenzene	< 1			ug/l			8270D
4-Chloroaniline	< 1			ug/l			8270D
2-Nitroaniline	< 5			ug/l			8270D
3-Nitroaniline	< 1			ug/l			8270D
4-Nitroaniline	< 1			ug/l			8270D
Benzyl alcohol	< 1			ug/l			8270D
Nitrobenzene	< 1			ug/l			8270D
Isophorone	< 1			ug/l			8270D
2,4-Dinitrotoluene	< 1	20 (80 %R)	21 (85 %R) (6 RPD)	ug/l	24 - 96	38	8270D
2,6-Dinitrotoluene	< 1			ug/l			8270D
Benzidine	< 5			ug/l			8270D
3,3'-Dichlorobenzidine	< 1			ug/l			8270D
Pyridine	< 5			ug/l			8270D
Azobenzene	< 1			ug/l			8270D
Carbazole	< 1			ug/l			8270D
Dimethylphthalate	< 1			ug/l			8270D
Diethylphthalate	< 1			ug/l			8270D
Di-n-butylphthalate	< 5			ug/l			8270D
Butylbenzylphthalate	< 1			ug/l			8270D
bis(2-Ethylhexyl)phthalate	< 5			ug/l			8270D
Di-n-octylphthalate	< 1			ug/l			8270D
Dibenzofuran	< 1			ug/l			8270D
Naphthalene	< 0.1	19 (75 %R)	19 (77 %R) (3 RPD)	ug/l	30 - 160	50	8270D
2-Methylnaphthalene	< 0.1	16 (66 %R)	17 (67 %R) (2 RPD)	ug/l	30 - 160	50	8270D
Acenaphthylene	< 0.1	18 (72 %R)	18 (74 %R) (3 RPD)	ug/l	30 - 160	50	8270D
Acenaphthene	< 0.1	18 (74 %R)	19 (75 %R) (1 RPD)	ug/l	46 - 118	31	8270D
Fluorene	< 0.1	18 (71 %R)	18 (73 %R) (3 RPD)	ug/l	30 - 160	50	8270D
Phenanthrene	< 0.1	20 (79 %R)	20 (80 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Anthracene	< 0.1	21 (82 %R)	21 (83 %R) (1 RPD)	ug/l	30 - 160	50	8270D

Eastern Analytical, Inc. ID#: 79158 **Batch ID:** 733548-46239/A051909BaseN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Fluoranthene	< 0.1	19 (75 %R)	19 (76 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Pyrene	< 0.1	22 (86 %R)	21 (84 %R) (2 RPD)	ug/l	26 - 127	31	8270D
Benzo[a]anthracene	< 0.1	21 (84 %R)	21 (83 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Chrysene	< 0.1	22 (88 %R)	21 (86 %R) (2 RPD)	ug/l	30 - 160	50	8270D
Benzo[b]fluoranthene	< 0.1	20 (79 %R)	20 (80 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Benzo[k]fluoranthene	< 0.1	19 (77 %R)	20 (78 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Benzo[a]pyrene	< 0.1	19 (74 %R)	19 (76 %R) (3 RPD)	ug/l	30 - 160	50	8270D
Indeno[1,2,3-cd]pyrene	< 0.1	20 (81 %R)	20 (82 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Dibenz[a,h]anthracene	< 0.1	20 (81 %R)	20 (80 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Benzo[g,h,i]perylene	< 0.1	23 (92 %R)	23 (92 %R) (0 RPD)	ug/l	30 - 160	50	8270D
Nitrobenzene-D5 (surr)	90 %R	88 %R	87 %R	% Rec	35 - 114		8270D
2-Fluorobiphenyl (surr)	71 %R	70 %R	69 %R	% Rec	43 - 116		8270D
p-Terphenyl-D14 (surr)	102 %R	92 %R	92 %R	% Rec	33 - 141		8270D

Eastern Analytical, Inc. ID#: 79158 **Batch ID:** 733548-46239/A051909BaseN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Acid and Base/Neutral Extractable Compounds QA/QC and Narrative Report

Matrix:	Aqueous		Solid		Aqueous
Units:	%	RPD	%	RPD	%
EPA Method:	8270D		8270D		625(mod)
Acid Extractables Surrogates:					
2-Fluorophenol	21-110		25-121		21-110
Phenol-d5	10-94		24-113		10-94
2,4,6-Tribromophenol	10-123		19-122		10-123
Base/Neutral Extractables Surrogates:					
Nitrobenzene-d5	35-114		23-120		35-114
2-Fluorobiphenyl	43-116		30-115		43-116
p-Terphenyl-d14	33-141		18-137		33-141
Acid Extractables Spikes:					
Phenol	12-110	42	26-90	35	
2-Chlorophenol	27-123	40	25-102	50	
Pentachlorophenol	9-103	50	17-109	47	
4-Nitrophenol	10-80	50	11-114	50	
4-Chloro-3-methylphenol	23-97	42	26-103	33	
Base/Neutral Extractables Spikes:					
N-Nitroso-di-n-propylamine	41-116	38	41-126	38	
1,4-Dichlorobenzene	36-97	28	28-104	27	
1,2,4-Trichlorobenzene	39-98	28	38-107	23	
2,4-Dinitrotoluene	24-96	38	28-89	47	
Acenaphthene	46-118	31	31-137	19	
Pyrene	26-127	31	35-142	36	

Samples were extracted and analyzed within holding time limits.
Instrumentation was tuned and calibrated in accordance with the method requirements.
The associated method blank(s) were free of contamination at the reporting limit.
The associated (MS) matrix spike(s) and/or (LCS) Laboratory Control Sample(s) met the above stated criteria.
There were no exceptions in the analyses, unless noted.
DOR: Diluted out of calibration range.
MI: Matrix interference.
(mod): EPA method 3510C and 8270D employed.

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

For 79158

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX; 524.2 MTBE ONLY; 8260B 624 VTICS; 1,4 DIOXANE EDB DBCP; 8021B BTEX HALOS; 8015B GRO MEGRO MAVPH	SVOC: 8270C 625 SVTICS; ABN A BN PAH; TPH8100 LI L2; 8015B DRO MEDRO MAEPH; 608 PEST/PCB PEST 8081A PCB 8082; OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS; VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW); TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.; BR CL F SO4 NO2 NO3 NO2/NO3; BOD CBOD T. ALK.; TKN NH3 T. PHOS.; PH T. RES. CHLORINE; COD PHENOLS TOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI; F. COLIFORM ENTEROCOCCI; HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
MW-2	5-15-09 / 1009	GW	6		X						
MW-7	/ 1057										
MW-5	/ 1214										
MW-9	/ 1322										
MW-6	/ 1420										
MW-8	/ 1440										
MW-Dup	/ 1200										

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Rhonda Kay

COMPANY: The Johnson Company, Inc

ADDRESS: 100 State St Suite 600

CITY: Montpelier STATE: VT ZIP: 05602

PHONE: (802) 229-4600 EXT.:

FAX: (802) 229-5876

E-MAIL: ~~RTK@JCO.~~ RTK@jcomail.com

SITE NAME: Richmond Creamery

PROJECT #: 1-0346-3

STATE: NH MA ME (VT) OTHER:

REGULATORY PROGRAM: **NPDES:** RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:

QUOTE #: PO #:

DATE NEEDED: ASAP - 5day per MPS 5/18/09

QA/QC REPORTING LEVEL: A (B) C OR MA MCP PRESUMPTIVE CERTAINTY

REPORTING OPTIONS: PRELIMS: YES OR NO; IF YES: FAX OR PDF

ELECTRONIC OPTIONS: NO FAX E-MAIL PDF EQUIS

TEMP. 5 °C ICE? (YES) NO

SAMPLER(S): Tristan Hardy

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	5/18/09	10:12	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	5/18/09	14:00	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA 13 PP FE, MN PB, CU

OTHER METALS:

DISSOLVED METALS FIELD FILTERED? YES NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

eastern analytical, inc.
professional laboratory services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER_SERVICE@EAILABS.COM | WWW.EAILABS.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

eastern analytical

professional laboratory services

Rhonda Kay
The Johnson Company
100 State Street
Montpelier , VT 05602

Subject: Laboratory Report

Eastern Analytical, Inc. ID:	79158
Client Identification:	Richmond Creamery | 1-0346-3
Date Received:	5/18/2009

Dear Ms. Kay :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. (EAI) certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply throughout all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
<: "less than" followed by the detection limit
TNR: Testing Not Requested
ND: None Detected, no established detection limit
RL: Reporting Limits
%R: % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

This report package contains the following information: Sample Conditions summary, Analytical Results/Data and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

Analytical Deviation & QA/QC Documentation:
Quality Control Samples associated with this project are included in this report. At a minimum, a Method Blank and Laboratory Control Sample (LCS) are reported. Matrix Spikes and Duplicates are reported where applicable. Deviations are narrated on the QC pages.

If you have any questions regarding the results contained within, please feel free to directly contact me, or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 5.27.09 Date | 9 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

Eastern Analytical, Inc. ID#: 79158

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Temperature upon receipt (°C): 5 **Received on ice or cold packs (Yes/No): Y**

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
79158.01	MW-2	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.02	MW-7	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.03	MW-5	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.04	MW-9	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.05	MW-6	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.06	MW-8	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy
79158.07	MW-Dup	5/18/09	5/15/09	aqueous		Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater : Inorganics, 19th Edition, 1995; Microbiology, 20th Edition, 1998
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 79158

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-2	MW-7	MW-5	MW-9	MW-6	MW-8	MW-Dup
Lab Sample ID:	79158.01	79158.02	79158.03	79158.04	79158.05	79158.06	79158.07
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09
Date Received:	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Prep:	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09
Date of Analysis:	5/20/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09
Analyst:	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1	1
Phenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dichlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,5-Trichlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4,6-Trichlorophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pentachlorophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Nitrophenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Nitrophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2,4-Dinitrophenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Methylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
3/4-Methylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dimethylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chloro-3-methylphenol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4,6-Dinitro-2-methylphenol	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Benzoic Acid	< 5	< 5	< 5	< 5	< 5	< 5	< 5
2-Fluorophenol (surr)	**55 %R**	**22 %R**	**50 %R**	***13 %R**	***0 %R**	***5 %R**	***9 %R**
Phenol-d6 (surr)	**29 %R**	**12 %R**	**27 %R**	**10 %R**	***2 %R**	***4 %R**	***7 %R**
2,4,6-Tribromophenol (surr)	**84 %R**	**44 %R**	**65 %R**	**38 %R**	***0 %R**	***0 %R**	**29 %R**

* The surrogate deviated below the QA/QC limit within the sample. Sample matrix interference is suspected.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 79158

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-2	MW-7	MW-5	MW-9	MW-6	MW-8	MW-Dup
Lab Sample ID:	79158.01	79158.02	79158.03	79158.04	79158.05	79158.06	79158.07
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09
Date Received:	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Prep:	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09
Date of Analysis:	5/20/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09
Analyst:	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1	1
N-Nitrosodimethylamine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitroso-di-n-propylamine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
n-Nitrosodiphenylamine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-Chloroethyl)ether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-chloroisopropyl)ether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-Chloroethoxy)methane	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Chloronaphthalene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chlorophenyl-phenylether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Bromophenyl-phenylether	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorocyclopentadiene	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Hexachlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Chloroaniline	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Nitroaniline	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3-Nitroaniline	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Nitroaniline	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzyl alcohol	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Nitrobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Isophorone	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,4-Dinitrotoluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,6-Dinitrotoluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Benzidine	< 5	< 5	< 5	< 5	< 5	< 5	< 5
3,3'-Dichlorobenzidine	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Pyridine	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Azobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Carbazole	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dimethylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Diethylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Di-n-butylphthalate	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Butylbenzylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
bis(2-Ethylhexyl)phthalate	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Di-n-octylphthalate	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibenzofuran	< 1	< 1	< 1	< 1	< 1	< 1	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 79158

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Sample ID:	MW-2	MW-7	MW-5	MW-9	MW-6	MW-8	MW-Dup
Lab Sample ID:	79158.01	79158.02	79158.03	79158.04	79158.05	79158.06	79158.07
Matrix:	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous	aqueous
Date Sampled:	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09	5/15/09
Date Received:	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09	5/18/09
Units:	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Date of Extraction/Prep:	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09	5/19/09
Date of Analysis:	5/20/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09	5/22/09
Analyst:	BML	BML	BML	BML	BML	BML	BML
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1	1
Naphthalene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
2-Methylnaphthalene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Acenaphthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluorene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Phenanthrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Anthracene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Pyrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[a]anthracene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chrysene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[b]fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[k]fluoranthene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[a]pyrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Indeno[1,2,3-cd]pyrene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Dibenz[a,h]anthracene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Benzo[g,h,i]perylene	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Nitrobenzene-D5 (surr)	**88 %R**	**74 %R**	**73 %R**	**74 %R**	**76 %R**	**74 %R**	**66 %R**
2-Fluorobiphenyl (surr)	**72 %R**	**95 %R**	**96 %R**	**96 %R**	**103 %R**	**91 %R**	**89 %R**
p-Terphenyl-D14 (surr)	**106 %R**	**91 %R**	**92 %R**	**95 %R**	**97 %R**	**91 %R**	**91 %R**

Eastern Analytical, Inc. ID#: 79158 **Batch ID:** 733548-46239/A051909BaseN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Phenol	< 1	9 (37 %R)	9 (37 %R) (0 RPD)	ug/l	12 - 110	42	8270D
2-Chlorophenol	< 1	21 (85 %R)	21 (83 %R) (2 RPD)	ug/l	27 - 123	40	8270D
2,4-Dichlorophenol	< 1			ug/l			8270D
2,4,5-Trichlorophenol	< 1			ug/l			8270D
2,4,6-Trichlorophenol	< 1			ug/l			8270D
Pentachlorophenol	< 5	18 (73 %R)	18 (71 %R) (3 RPD)	ug/l	9 - 103	50	8270D
2-Nitrophenol	< 1			ug/l			8270D
4-Nitrophenol	< 5	11 (44 %R)	9 (36 %R) (20 RPD)	ug/l	10 - 80	50	8270D
2,4-Dinitrophenol	< 5			ug/l			8270D
2-Methylphenol	< 1			ug/l			8270D
3/4-Methylphenol	< 1			ug/l			8270D
2,4-Dimethylphenol	< 1			ug/l			8270D
4-Chloro-3-methylphenol	< 1	20 (81 %R)	19 (77 %R) (5 RPD)	ug/l	23 - 97	42	8270D
4,6-Dinitro-2-methylphenol	< 5			ug/l			8270D
Benzoic Acid	< 5			ug/l			8270D
2-Fluorophenol (surr)	69 %R	63 %R	62 %R	% Rec	21 - 110		8270D
Phenol-d6 (surr)	37 %R	37 %R	35 %R	% Rec	10 - 94		8270D
2,4,6-Tribromophenol (surr)	88 %R	94 %R	89 %R	% Rec	10 - 123		8270D

Eastern Analytical, Inc. ID#: 79158 **Batch ID:** 733548-46239/A051909BaseN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
N-Nitrosodimethylamine	< 1			ug/l			8270D
n-Nitroso-di-n-propylamine	< 1	22 (86 %R)	22 (87 %R) (1 RPD)	ug/l	41 - 116	38	8270D
n-Nitrosodiphenylamine	< 1			ug/l			8270D
bis(2-Chloroethyl)ether	< 1			ug/l			8270D
bis(2-chloroisopropyl)ether	< 1			ug/l			8270D
bis(2-Chloroethoxy)methane	< 1			ug/l			8270D
1,3-Dichlorobenzene	< 1			ug/l			8270D
1,4-Dichlorobenzene	< 1	15 (62 %R)	16 (62 %R) (0 RPD)	ug/l	36 - 97	28	8270D
1,2-Dichlorobenzene	< 1			ug/l			8270D
1,2,4-Trichlorobenzene	< 1	17 (67 %R)	17 (68 %R) (1 RPD)	ug/l	39 - 98	28	8270D
2-Chloronaphthalene	< 1			ug/l			8270D
4-Chlorophenyl-phenylether	< 1			ug/l			8270D
4-Bromophenyl-phenylether	< 1			ug/l			8270D
Hexachloroethane	< 1			ug/l			8270D
Hexachlorobutadiene	< 1			ug/l			8270D
Hexachlorocyclopentadiene	< 5			ug/l			8270D
Hexachlorobenzene	< 1			ug/l			8270D
4-Chloroaniline	< 1			ug/l			8270D
2-Nitroaniline	< 5			ug/l			8270D
3-Nitroaniline	< 1			ug/l			8270D
4-Nitroaniline	< 1			ug/l			8270D
Benzyl alcohol	< 1			ug/l			8270D
Nitrobenzene	< 1			ug/l			8270D
Isophorone	< 1			ug/l			8270D
2,4-Dinitrotoluene	< 1	20 (80 %R)	21 (85 %R) (6 RPD)	ug/l	24 - 96	38	8270D
2,6-Dinitrotoluene	< 1			ug/l			8270D
Benzidine	< 5			ug/l			8270D
3,3'-Dichlorobenzidine	< 1			ug/l			8270D
Pyridine	< 5			ug/l			8270D
Azobenzene	< 1			ug/l			8270D
Carbazole	< 1			ug/l			8270D
Dimethylphthalate	< 1			ug/l			8270D
Diethylphthalate	< 1			ug/l			8270D
Di-n-butylphthalate	< 5			ug/l			8270D
Butylbenzylphthalate	< 1			ug/l			8270D
bis(2-Ethylhexyl)phthalate	< 5			ug/l			8270D
Di-n-octylphthalate	< 1			ug/l			8270D
Dibenzofuran	< 1			ug/l			8270D
Naphthalene	< 0.1	19 (75 %R)	19 (77 %R) (3 RPD)	ug/l	30 - 160	50	8270D
2-Methylnaphthalene	< 0.1	16 (66 %R)	17 (67 %R) (2 RPD)	ug/l	30 - 160	50	8270D
Acenaphthylene	< 0.1	18 (72 %R)	18 (74 %R) (3 RPD)	ug/l	30 - 160	50	8270D
Acenaphthene	< 0.1	18 (74 %R)	19 (75 %R) (1 RPD)	ug/l	46 - 118	31	8270D
Fluorene	< 0.1	18 (71 %R)	18 (73 %R) (3 RPD)	ug/l	30 - 160	50	8270D
Phenanthrene	< 0.1	20 (79 %R)	20 (80 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Anthracene	< 0.1	21 (82 %R)	21 (83 %R) (1 RPD)	ug/l	30 - 160	50	8270D

Eastern Analytical, Inc. ID#: 79158 **Batch ID:** 733548-46239/A051909BaseN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

QC Report

Parameter Name	Blank	LCS	LCSD	Units	Limits	RPD	Method
Fluoranthene	< 0.1	19 (75 %R)	19 (76 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Pyrene	< 0.1	22 (86 %R)	21 (84 %R) (2 RPD)	ug/l	26 - 127	31	8270D
Benzo[a]anthracene	< 0.1	21 (84 %R)	21 (83 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Chrysene	< 0.1	22 (88 %R)	21 (86 %R) (2 RPD)	ug/l	30 - 160	50	8270D
Benzo[b]fluoranthene	< 0.1	20 (79 %R)	20 (80 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Benzo[k]fluoranthene	< 0.1	19 (77 %R)	20 (78 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Benzo[a]pyrene	< 0.1	19 (74 %R)	19 (76 %R) (3 RPD)	ug/l	30 - 160	50	8270D
Indeno[1,2,3-cd]pyrene	< 0.1	20 (81 %R)	20 (82 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Dibenz[a,h]anthracene	< 0.1	20 (81 %R)	20 (80 %R) (1 RPD)	ug/l	30 - 160	50	8270D
Benzo[g,h,i]perylene	< 0.1	23 (92 %R)	23 (92 %R) (0 RPD)	ug/l	30 - 160	50	8270D
Nitrobenzene-D5 (surr)	90 %R	88 %R	87 %R	% Rec	35 - 114		8270D
2-Fluorobiphenyl (surr)	71 %R	70 %R	69 %R	% Rec	43 - 116		8270D
p-Terphenyl-D14 (surr)	102 %R	92 %R	92 %R	% Rec	33 - 141		8270D

Eastern Analytical, Inc. ID#: 79158 **Batch ID:** 733548-46239/A051909BaseN1

Client: **The Johnson Company** Client Designation: **Richmond Creamery | 1-0346-3**

Acid and Base/Neutral Extractable Compounds QA/QC and Narrative Report

Matrix:	Aqueous		Solid		Aqueous
Units:	%	RPD	%	RPD	%
EPA Method:	8270D		8270D		625(mod)
Acid Extractables Surrogates:					
2-Fluorophenol	21-110		25-121		21-110
Phenol-d5	10-94		24-113		10-94
2,4,6-Tribromophenol	10-123		19-122		10-123
Base/Neutral Extractables Surrogates:					
Nitrobenzene-d5	35-114		23-120		35-114
2-Fluorobiphenyl	43-116		30-115		43-116
p-Terphenyl-d14	33-141		18-137		33-141
Acid Extractables Spikes:					
Phenol	12-110	42	26-90	35	
2-Chlorophenol	27-123	40	25-102	50	
Pentachlorophenol	9-103	50	17-109	47	
4-Nitrophenol	10-80	50	11-114	50	
4-Chloro-3-methylphenol	23-97	42	26-103	33	
Base/Neutral Extractables Spikes:					
N-Nitroso-di-n-propylamine	41-116	38	41-126	38	
1,4-Dichlorobenzene	36-97	28	28-104	27	
1,2,4-Trichlorobenzene	39-98	28	38-107	23	
2,4-Dinitrotoluene	24-96	38	28-89	47	
Acenaphthene	46-118	31	31-137	19	
Pyrene	26-127	31	35-142	36	

Samples were extracted and analyzed within holding time limits.
Instrumentation was tuned and calibrated in accordance with the method requirements.
The associated method blank(s) were free of contamination at the reporting limit.
The associated (MS) matrix spike(s) and/or (LCS) Laboratory Control Sample(s) met the above stated criteria.
There were no exceptions in the analyses, unless noted.
DOR: Diluted out of calibration range.
MI: Matrix interference.
(mod): EPA method 3510C and 8270D employed.

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

For 79158

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX; 524.2 MTBE ONLY; 8260B 624 VTICS; 1,4 DIOXANE EDB DBCP; 8021B BTEX HALOS; 8015B GRO MEGRO MAVPH	SVOC: 8270C 625 SVTICS; ABN A BN PAH; TPH8100 LI L2; 8015B DRO MEDRO MAEPH; 608 PEST/PCB PEST 8081A PCB 8082; OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS; VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW); TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.; BR CL F SO4 NO2 NO3 NO2/NO3; BOD CBOD T. ALK.; TKN NH3 T. PHOS.; PH T. RES. CHLORINE; COD PHENOLS TOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: T. COLIFORM E. COLI; F. COLIFORM ENTEROCOCCI; HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
MW-2	5-15-09 / 1009	GW	6		X						
MW-7	/ 1057										
MW-5	/ 1214										
MW-9	/ 1322										
MW-6	/ 1420										
MW-8	/ 1440										
MW-Dup	/ 1200										

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Rhonda Kay

COMPANY: The Johnson Company, Inc

ADDRESS: 100 State St Suite 600

CITY: Montpelier STATE: VT ZIP: 05602

PHONE: (802) 229-4600 EXT.:

FAX: (802) 229-5876

E-MAIL: ~~RTK@JCO.~~ RTK@jcomail.com

SITE NAME: Richmond Creamery

PROJECT #: 1-0346-3

STATE: NH MA ME (VT) OTHER:

REGULATORY PROGRAM: **NPDES:** RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:

QUOTE #: PO #:

DATE NEEDED: ASAP - 5day per MPS 5/18/09

QA/QC REPORTING LEVEL: A (B) C OR MA MCP PRESUMPTIVE CERTAINTY

REPORTING OPTIONS: PRELIMS: YES OR NO; IF YES: FAX OR PDF

ELECTRONIC OPTIONS: NO FAX E-MAIL PDF EQUIS

TEMP. 5 °C ICE? (YES) NO

SAMPLER(S): Tristan Hardy

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	5/18/09	10:12	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	5/18/09	14:00	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA 13 PP FE, MN PB, CU

OTHER METALS:

DISSOLVED METALS FIELD FILTERED? YES NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

eastern analytical, inc.
professional laboratory services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | FAX: 603.228.4591 | E-MAIL: CUSTOMER_SERVICE@EAILABS.COM | WWW.EAILABS.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

APPENDIX 7

FIELD FORMS

THE JOHNSON COMPANY, INC.
100 State Street, Suite 600
Montpelier, VT 05602 USA

Phone: (802) 229-4600
Fax: (802) 229-5876
www.johnsonco.com

Ground Water Monitoring Well Sample Collection Record

Project Name: Richmond Creamery Project #: 1-0346-3 **Well ID:** MW-1

Site Location: Richmond, VT Sampler: TEH, KES Date: 4/20/09

Weather Conditions: partly cloudy, windy, 40-50°F Time On Site: 0840

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 11.88

Total well depth (ft): 15.78 Well diameter (in): 2 Length of water column in well (ft): 3.9

Gallons per foot[1]: 0.16 Well volume (gal): 0.624

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: 11.0

Purge Volume @ 1 well volume: 2.36 (Liters) Purge Rate: 200 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
0910	11.88	0	0	Start	----	----	----	----	----
0915	11.9	1.0	200	6.85	571	10.10	7.03	235.2	14
0920	11.89	2.0	200	6.84	586	10.14	6.93	234.6	14
0925	11.9	3.0	200	6.80	592	9.99	6.83	234.1	10
0930	11.9	4.0	200	6.83	594	10.12	6.85	232.8	8.8
0935	11.89	5.0	200	6.84	606	10.2	6.79	232.9	4.4
0937	Sampled								

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P. P. Sample Time: 0937

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1		2 40mL VoA	HCl	Petro VOCs / EA1
↓	↓		4 oz	HNO_3	VGEs Metals / EA1
↓	↓		1 L Amber	—	PAH's

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments:

Time Off Site 0950

THE JOHNSON COMPANY, INC.
100 State Street, Suite 600
Montpelier, VT 05602 USA

Phone: (802) 229-4600
Fax: (802) 229-5876
www.johnsonco.com

Ground Water Monitoring Well Sample Collection Record

Well ID: MW-2

Project Name: Richmond Creamery Project #: 1-0346-3

Site Location: Richmond VT Sampler: KES Date: 4/20/09

Weather Conditions: PARTLY Cloudy, ~50°F Time On Site: 1000

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 10.63

Total well depth (ft): 17.09 Well diameter (in): 2 Length of water column in well (ft): 6.46

Gallons per foot[1]: 0.16 Well volume (gal): 1.03

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: 16'

Purge Volume @ 1 well volume: 3.90 (Liters) Purge Rate: 200 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1012	10.63	0	0	Start	----	----	----	----	----
1017	10.75	1	200	8.55	584	3.37	6.64	-56.3	6.6
1022	10.79	2	200	8.53	594	3.16	6.69	-66.4	6.3
1027	10.78	3	200	8.42	610	2.89	6.73	-72.6	7.2
1032	10.78	4	200	8.59	625	2.70	6.75	-75.1	4.9
1037	10.78	5	200	8.52	629	2.59	6.73	-76	3.0
1042	10.78	6	200	8.56	637	2.48	6.76	-78	3.0
1044	Sampled								

Purge Water Disposal Method Ground Comments (e.g. color / odor): No Color / slight petro odor

3. SAMPLE COLLECTION: Method: P.P. Sample Time: 1044

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1		2 40mL VOA	HCl	8260B / EA1
↓	↓		4 oz.	HNO_3	VOES Metals / EA1
↓	↓		1 L Amber	–	8270C / EA1

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments:

Time Off Site 1110

THE JOHNSON COMPANY, INC.
100 State Street, Suite 600
Montpelier, VT 05602 USA

Phone: (802) 229-4600
Fax: (802) 229-5876
www.johnsonco.com

Ground Water Monitoring Well Sample Collection Record

Well ID: MW-3

Project Name: Richmond Creamery Project #: 1-0346-3

Site Location: Richmond VT Sampler: TEH Date: 4/20/09

Weather Conditions: Partly cloudy 50's Time On Site: 1155

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 18.53

Total well depth (ft): 19.4 Well diameter (in): 2 Length of water column in well (ft): 0.87

Gallons per foot[1]: 0.16 Well volume (gal): ~~0.87~~ 0.14 TEH 4/20/09

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: 19.4

Purge Volume @ 1 well volume: 0.53 (Liters) Purge Rate: 100 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1158	18.53	0	0	Start	----	----	----	----	----
Purged dry at 100mL/min. wait for recharge to sample.									
TEH 4/20/09 ~~13~~ 1405	WL= 18.55,		Sampled						

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P.P Sample Time: 1405

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1		2x40mL VOA	HCl	8260B/EAI
GW	1 of 1		1x 4oz	HNO_3	VGES Metals /EAI

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments: Limited volume only sampled VOCs + Metals

Time Off Site 1425

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Ground Water Monitoring Well Sample Collection Record

Well ID: MW-4

Project Name: Richmond Creamery Project #: 1-0346.3

Site Location: Richmond VT Sampler: TEH Date: 4/20/09

Weather Conditions: Partly cloudy, 50's Time On Site: 12:20

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 17.12

Total well depth (ft): 17.59 Well diameter (in): 2 Length of water column in well (ft): 0.47

Gallons per foot[1]: 0.16 Well volume (gal): 0.075

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: 17.59

Purge Volume @ 1 well volume: 0.285 (Liters) Purge Rate: 100 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1230	17.12	0	0	Start	----	----	----	----	----
Purged dry @ 100 mL/min			wait for recharge	to sample.					
1445	Sampled	WL =	17.15						

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P. P. Sample Time: 1445

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1		2x 40mL VoA	HCl	8260B/EA1

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments: Limited volume VOC's only

Time Off Site 1510

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Ground Water Monitoring Well Sample Collection Record

Project Name: Richmond Creamery Project #: 1-0346-3 Well ID: MW-5

Site Location: Richmond, VT Sampler: KES Date: 4/20/09

Weather Conditions: cloudy, breezy, ~50°F Time On Site: 1115

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 6.36

Total well depth (ft): 15.59 Well diameter (in): 2 Length of water column in well (ft): 9.23

Gallons per foot[1]: 0.16 Well volume (gal): 1.48

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: 14.5'

Purge Volume @ 1 well volume: 5.59 (Liters) Purge Rate: 150 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1123	6.36	0	0	Start	----	----	----	----	----
1128	7.57	1	200	7.56	421	3.57	6.42	-20	7.3
1133	8.3	2	200	7.75	450	2.94	6.40	-27	6.6
1138	9.3	3	200	7.80	467	2.42	6.43	-36	7.0
1143	9.71	4	200	7.86	473	2.55	6.44	-39	8.2
1148	10.29	5	200	7.95	489	2.59	6.46	-46	10
1153	10.52	5.75	150	8.04	509	2.57	6.48	-53	15
1158	10.79	6.50	150	8.06	517	2.36	6.48	-54	17
1203	10.97	7.25	150	8.24	525	2.21	6.49	-57	15
1208	11.23	8.0	150	8.26	560	2.64	6.50	-65	9.8
1213	11.34	8.75	150	8.63	543	2.54	6.61	-62	14
1218	11.43	9.50	150	8.38	558	2.66	6.52	-63	9.8
1221	Sampled								

Purge Water Disposal Method Ground Comments (e.g. color / odor): No color / No odor

3. SAMPLE COLLECTION: Method: P.P. Sample Time: 1221

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1		240mL VOA	HCl	8260B/EA1
↓	↓		4 oz	HNO3	VGES Metals/EA1
↓	↓		1 L Amber	—	8270C/EA1

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments:

Time Off Site 1240

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Ground Water Monitoring Well Sample Collection Record

Well ID: MW-6

Project Name: Richmond Creamery Project #: 1-0346-3

Site Location: Richmond, VT Sampler: TEH Date: 4/20/09

Weather Conditions: Overcast, 50°F Time On Site: 1520

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 6.30

Total well depth (ft): 13.24 Well diameter (in): 2 Length of water column in well (ft): 6.94

Gallons per foot[1]: 0.16 Well volume (gal): 1.11

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: ~12.3

Purge Volume @ 1 well volume: 4.20 (Liters) Purge Rate: 200 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1533	6.30	0	0	Start	----	----	----	----	----
1538	7.67	1	200	7.03	417	0.79	6.34	-97	45
1543	8.31	2	200	7.03	412	0.83	6.35	-99	37
1548	8.83	3	200	7.19	397	1.50	6.40	-103	22
1553	9.03	3.75	150	7.35	387	2.05	6.44	-98	21
1558	9.13	4.5	150	7.38	394	2.38	6.44	-94	17
TEH 4/20/09 ~~1603~~ 1603	9.18	5.25	150	7.50	399	1.81	6.40	-96	15
1608	9.21	6.0	150	7.59	402	1.84	6.40	-97	11
1613	9.18	6.75	150	7.63	410	1.70	6.39	-99	10
1618	9.17	7.5	150	7.64	404	1.69	6.41	-99	9.7
1620	Sampled								

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P.P. Sample Time: 1620

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1		4x 2x40ml VoA	HCl	8260B / EA1
↓	↓		1x 4oz	HNO_3	VOES Metals / EA1
↓	↓		1x 1L Amber	none	827C / EA1

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments:

Time Off Site 1640

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Ground Water Monitoring Well Sample Collection Record

Well ID: MW-7

Project Name: Richmond Creamery Project #: 1-03463

Site Location: Richmond, VT Sampler: TEH Date: 4/20/09

Weather Conditions: Partly cloudy, 50's Time On Site: ~~1350~~ 1250 TEH 4-20-09

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 6.45

Total well depth (ft): 9.35 Well diameter (in): 2 Length of water column in well (ft): 2.9

Gallons per foot[1]: 0.16 Well volume (gal): 0.46

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: ~8.3

Purge Volume @ 1 well volume: 1.76 (Liters) Purge Rate: 200 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1301	6.45	0	0	Start	----	----	----	----	----
1306	6.67	1	200	8.13	164	2.82	6.69	-91	7.3
1311	6.73	2	200	7.69	143	2.29	6.65	-86	3.9
1316	6.74	3	200	7.61	157	1.66	6.63	-75	4.2
1321	6.75	4	200	7.51	172	1.07	6.64	-78	3.8
1326	6.76	5	200	7.53	190	0.83	6.63	-81	4.1
1331	6.77	6	200	7.33	208	0.70	6.63	-82	3.6
1336	6.78	7	200	7.38	216	0.80	6.62	-84	3.3
1341	6.80	8	200	7.26	220	0.77	6.63	-85	3.4
1343	Sampled								

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P. P. Sample Time: 1343

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1		2 40mL VOA	HCl	8260B / EAI
↓	↓		4 oz	HNO_3	VGES METALS / ↓
↓	↓		1L Amber	none	8270C / ↓

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments:

Time Off Site 1355

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Ground Water Monitoring Well Sample Collection Record

Well ID: MW-8

Project Name: Richmond Creamery Project #: 1-0346-3

Site Location: Richmond, VT Sampler: KES Date: 4/20/09

Weather Conditions: cloudy, breezy Time On Site: 1435

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 4.96

Total well depth (ft): 8.0 Well diameter (in): 2 Length of water column in well (ft): 3.04

Gallons per foot[1]: 0.16 Well volume (gal): 0.45

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: 7'

Purge Volume @ 1 well volume: 1.84 (Liters) Purge Rate: 150 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1445	4.96	0	0	Start	----	----	----	----	----
1450	5.66	1	200	7.17	416	6.74	6.55	49	3.3
1455	6.45	2	200	6.68	420	3.23	6.44	42	2.3
1500	7.08	3	200	7.56	433	5.10	6.51	35	6.3
1505	7.46	3.75	150	6.77	428	2.01	6.41	28	2.4
1510		4.50	150	- Purged dry, waiting for recharge to sample					
1655	WL =	5.85'	Sampled						

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P.P. Sample Time: 1655

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1		2 40mL VOA	HCl	8260B / EAI
↓	↓		4 oz	HNO_3	VGES Metals / EAI
↓	↓		1 L Amber	—	8270C / EAI

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments:

Time Off Site 1720

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Ground Water Monitoring Well Sample Collection Record

Project Name: Richmond Creamery Project #: 1-0346-3 Well ID: MW-9

Site Location: Richmond, VT Sampler: KES Date: 4/20/09

Weather Conditions: cloudy, windy, ~50°F Time On Site: 1301

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 6.56

Total well depth (ft): 15.41 Well diameter (in): 2 Length of water column in well (ft): 8.85

Gallons per foot[1]: 0.16 Well volume (gal): 1.416

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: 14.5'

Purge Volume @ 1 well volume: 5.36 (Liters) Purge Rate: 200 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1305	6.56	0	0	Start	----	----	----	----	----
1310	7.55	1	200	7.67	446	1.78	6.26	-15	16
1315	8.11	2	200	7.74	437	2.00	6.25	-12	15
1320	8.51	3	200	7.58	430	2.87	6.23	-5	10
1325	8.80	4	200	7.46	419	3.68	6.19	0	8.3
1330	8.98	5	200	7.42	420	3.47	6.19	-1.5	8.6
1335	9.13	6	200	7.44	420	3.19	6.20	-4	9.9
1340	9.25	7	200	7.56	423	2.83	6.21	-9.5	6.3
1345	9.35	8	200	7.35	425	2.67	6.21	-10.6	7.1
1347	Sampled								

Purge Water Disposal Method Ground Comments (e.g. color / odor): No Color / No odor

3. SAMPLE COLLECTION: Method: P.P. Sample Time: 1347

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1		240 mL VOA	HCl	8260B/EA1
↓	↓		4 oz	HNO_3	VGES metals/EA1
↓	↓		1 L Amber	—	8270C/EA1

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments: Collected Duplicate (MW-DUP @ 1200)

Time Off Site 1410

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YSI CALIBRATION SHEET **Job Name:** Richmond Creamery **Job #:** 1-0346-3

Equipment ID : YSI # 4 **Serial #:** 07C2008 AC

Brand of Standard		----------	Cole Parmer	YSI	Oakton	Oakton	Oakton	Oakton	YSI	YSI		YSI		Oakton
Lot #		----------	-	-	2806432	2707448	2708653	2806240	08C100619	-	-	-		2810901
Expiration Date		----------	-	-	6-09	7-09	8-09	12-09	4-10	-	-	-		10-09
Date	Time	Initials	Certified thermometer Temp. - °C	YSI Temp. - °C	Specific Conductivity 1.413 ms/cm @ 25°C	pH 7.00	pH 4.01	pH 10.00	ORP-Zobell Solution (200-275mV)	Barometric Pressure (mmHg)		100% D.O. (%)	100% D.O. (mg/L)	Zero O_2 Solution (mg/L)
4/20/09	0730	TEH	10	10.14	1.413	7.00	4.01	10.00	250.5	759.6		99.8	10.53	0.48

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TURBIDITY METER CALIBRATION SHEET

Job Name: Richmond Creamery

Job #: 1-0346-3

Equipment ID: JCO#3

Serial #: 2521-1501

Brand of Standard			AMCO	AMCO	—	Comments
Lot #			P89144	P890791	—	
Expiration Date:			9/09	9/09	—	
Date	Time	Initials	1.0 NTU Value	10.0 NTU Value	___ NTU Value	
4/20/09	0820	TEH	1.0	10.0	—	

P:\STANDARD\JCO Forms\Turbidity Calsheet.doc

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YSI CALIBRATION SHEET

Job Name: Richmond Creamery **Job #:** 1-0346-3

Equipment ID : YSI # 5 **Serial #:** 08J101252

Brand of Standard		----------	Cole Parmer	YSI	Oakton	Oakton	Oakton	Oakton	YSI	YSI		YSI		Oakton
Lot #		----------	-	-	2802432	2707448	2708653	2806240	08D100367	-		-		2810701
Expiration Date		----------	-	-	7-09	7-09	8-09	12-09	4-10	-		-		10-09
Date	Time	Initials	Certified thermometer Temp. - °C	YSI Temp. - °C	Specific Conductivity 1.413 ms/cm @ 25°C	pH 7.00	pH 4.01	pH 10.00	ORP-Zobell Solution (200-275mV)	Barometric Pressure (mmHg)		100% D.O.		Zero O_2 Solution (mg/L)
												(%)	(mg/L)	
4-20-09	0731	KES	10	10.36	1.413	7.00	4.01	10.00	250.5	758.0		100.1	11.51	0.22

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TURBIDITY METER CALIBRATION SHEET

Job Name: Richmond Creamery | Job #: 1-0346-3

Equipment ID: JCO-4 | Serial #: 2505-1501

Brand of Standard			AMCO	AMCO	—	Comments
Lot #			891441	P890791	—	
Expiration Date:			9-09	9-09	—	
Date	Time	Initials	1.0 NTU Value	10.0 NTU Value	___ NTU Value	
4-20-09	0818	KES	1.0	10.0	—	

Location Richmond VT Date 5/15/09

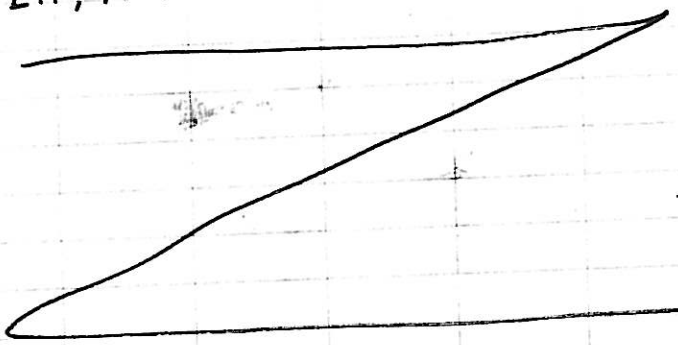
Project / Client 1-0346-3 Richmond Creamery

TEH, PMK

Time on site 0840 TEH, PMK

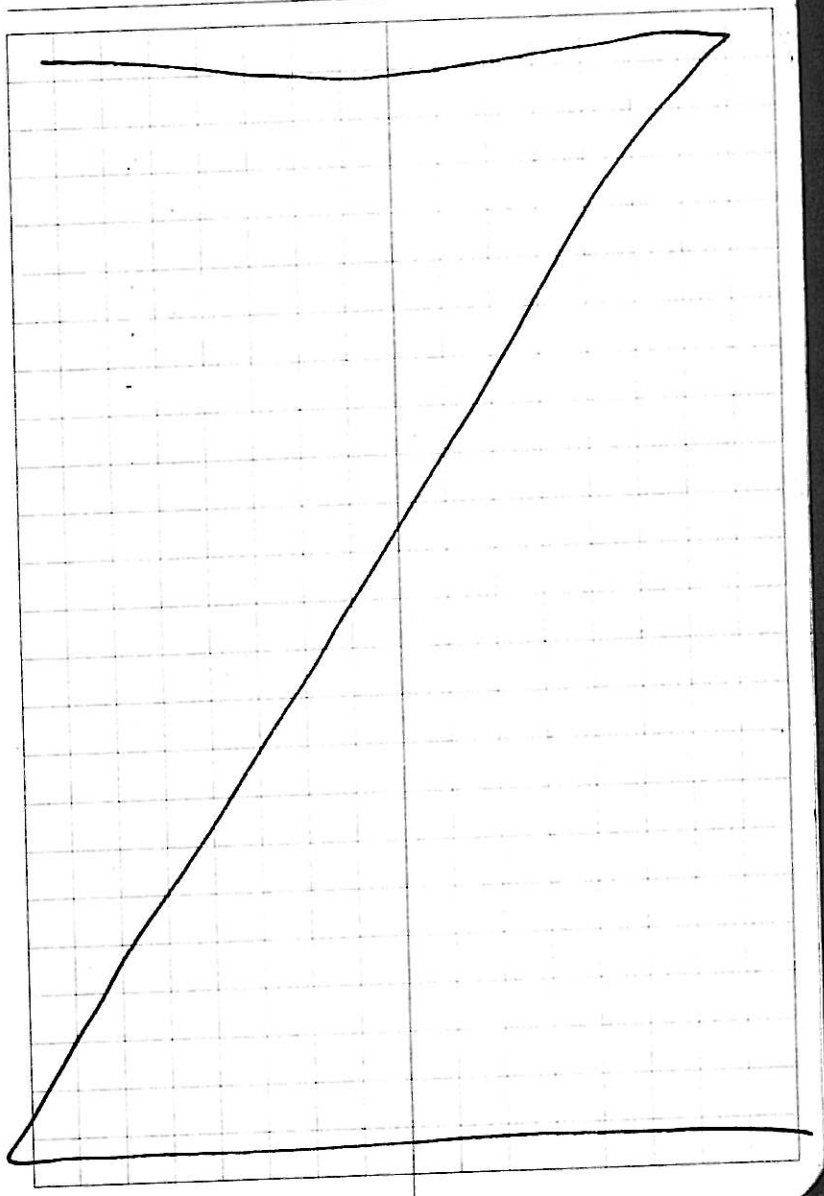
Well	depth to H2O	Time		
MW-1	~~7.78'~~	0852	11.78'	TEH 5/15/09
2	10.62'	0856		
3	18.52'	0859		
4	16.93'	0901		
5	6.30'	0908		
6	7.25'	0913		
7	5.93'	0905		
8	4.92'	0920		
9	7.11'	0916		

TEH, PMK Offsite at ~1500



Location Date

Project / Client



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Ground Water Monitoring Well Sample Collection Record

Well ID: MW-2

Project Name: Richmond Creamery Project #: 1-0346-3

Site Location: Richmond, Vermont Sampler: TEH Date: 5/15/09

Weather Conditions: Sunny, 60-70 Time On Site: 0930

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 10.62

Total well depth (ft): 17.09 Well diameter (in): 2 Length of water column in well (ft): 6.47

Gallons per foot[1]: 0.16 Well volume (gal): 1.04

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: 16

Purge Volume @ 1 well volume: 3.92 (Liters) Purge Rate: 200 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
0942	10.62	0	0	Start	----	----	----	----	----
0947	10.74	1	200	8.90	589	4.75	6.26	-41	2.6
0952	10.74	2	200	8.85	592	4.39	6.16	-42	2.0
0957	10.74	3	200	9.03	597	3.86	6.11	-42	1.5
1002	10.75	4	200	8.96	620	3.62	6.05	-41	1.4
1007	10.75	5	200	8.96	625	3.74	6.04	-39	1.0
1009	Sampled								

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P. P. Sample Time: 1009

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1	courier	1L Amber	(ice) none	8270C / EA1

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments:

Time Off Site 1023

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Ground Water Monitoring Well Sample Collection Record

Well ID: MW-5

Project Name: Richmond Creamery Project #: 1-0346-3

Site Location: Richmond, Vermont Sampler: TEH Date: 5/15/09

Weather Conditions: Sunny ~70°F Time On Site: 1108

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 6.30

Total well depth (ft): 15.59 Well diameter (in): 2 Length of water column in well (ft): 9.29

Gallons per foot[1]: 0.16 Well volume (gal): 1.49

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: ~14.6

Purge Volume @ 1 well volume: 5.6 (Liters) Purge Rate: 100 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1118	6.30	0	0	Start	----	----	----	----	----
1123	7.71	0.5	100	9.02	499	0.96	5.41	102	99
1128	8.15	1.0	100	9.13	499	0.80	5.44	93	73
~~1133~~ 1133	8.50	1.5	100	9.00	502	0.75	5.48	79	48
1138	8.76	2.0	100	9.10	504	0.77	5.51	65	44
1143	9.00	2.5	100	9.02	512	0.67	5.57	52	43
1148	9.25	3.0	100	8.87	520	0.61	5.58	37	31
1152	9.41	3.5	100	8.96	522	0.69	5.60	31	31
1158	9.50	4.0	100	9.09	525	0.74	5.59	~~28~~ 24	~~26~~ 28
1202	9.60	4.5	100	9.12	534	0.90	5.57	14	20
1208	9.65	5.0	100	9.20	538	0.95	5.59	10	17
1212	9.67	5.5	100	9.28	541	1.02	5.57	6	19
1214	Sampled								

TEH 5/15/09

TEH 5/15/09

Initially clouded with rust color particulates

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P.P Sample Time: 1214

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1	Courier	1L amber	(ice) none	8270C / EA1

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments:

Time Off Site 1227

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Ground Water Monitoring Well Sample Collection Record

Well ID: MW-6

Project Name: Richmond Creamery Project #: 1-0346-3

Site Location: Richmond, Vermont Sampler: TEH Date: 5/15/09

Weather Conditions: Sunny 70's Time On Site: 1348

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 7.25

Total well depth (ft): 13.24 Well diameter (in): 2 Length of water column in well (ft): 5.99

Gallons per foot[1]: 0.16 Well volume (gal): 0.96

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: ~12.2

Purge Volume @ 1 well volume: 3.63 (Liters) Purge Rate: 200 → 100 (ml/min)

Parameter equipment: YSI , Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
TEH 5/15/09 1358 ~~1558~~	7.25	0	0	Start	----	----	----	----	----
1403	8.89	1	200	8.52	451	0.90	5.35	-12	8.4
1408	8.95	1.5	100	9.19	419	0.82	5.23	-5	10
1413	9.03	2.0	100	9.46	415	0.88	5.17	-4	8.7
1418	9.06	2.5	100	9.45	415	0.72	5.15	-5	8.5
1420	Sampled								

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P.P. Sample Time: 1420

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1	Courier	1 L amber	(ice) none	8270C/EA1

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments:

Time Off Site

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Ground Water Monitoring Well Sample Collection Record

Well ID: MW-7

Project Name: Richmond Creamery Project #: 1-0346-3

Site Location: Richmond, Vermont Sampler: TEH Date: 5/15/09

Weather Conditions: Sunny, ~70°F Time On Site: 1025

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 5.93

Total well depth (ft): 9.35 Well diameter (in): 2 Length of water column in well (ft): 3.42

Gallons per foot[1]: 0.16 Well volume (gal): 0.55

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: ~8.3

Purge Volume @ 1 well volume: 2.07 (Liters) Purge Rate: 200 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1035	5.93	0	0	Start	----	----	----	----	----
1040	6.61	1	200	9.83	326	1.50	5.85	-27	18.8
1045	6.58	2	200	9.67	328	1.44	5.79	-22	8.85
1050	6.61	3	200	9.68	330	1.54	5.73	-18	4.53
1055	6.64	4	200	9.59	332	1.45	5.70	-17	4.92
1057	Sampled								

initially clouded with large rust colored particulate:

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P. P. Sample Time: 1057

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1	courier	1 L Amber	(ice) none	8270C / EA1

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments:

Time Off Site 1107

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Ground Water Monitoring Well Sample Collection Record

Well ID: MW-8

Project Name: Richmond Creamery Project #: 1-0346-3

Site Location: Richmond, Vermont Sampler: TEH Date: 5/15/09

Weather Conditions: Sunny, 70's Time On Site: 12:30

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 4.92

Total well depth (ft): 8.0 Well diameter (in): 2" Length of water column in well (ft): 3.08

Gallons per foot[1]: 0.16 Well volume (gal): 0.49

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: ~7.5

Purge Volume @ 1 well volume: 1.87 (Liters) Purge Rate: 200 → 100 (ml/min)

Parameter equipment: YSI, Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1235	4.92	0	0	Start	----	----	----	----	----
1240	6.60	1	200	8.36	470	1.82	5.35	217	6.4
1245	6.99	1.5	100	8.90	464	1.76	5.30	209	4.3
1250	7.35	2.0	100	9.07	462	1.83	5.31	146	5.4
1254	Well	purged dry							
1437	WL =	5.52'							
1440	Sampled recharge								

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P.P Sample Time: 1440

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1	Courier	1 L amber	(ice) none	8270C / EAI

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments: Well was purged dry, sampled recovery

Time Off Site 1505

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Ground Water Monitoring Well Sample Collection Record

Well ID: MW-9

Project Name: Richmond Creamery Project #: 1-0346-3

Site Location: Richmond, Vermont Sampler: TEH Date: 5/15/09

Weather Conditions: Sunny 70's Time On Site: 1255

1. WATER LEVEL DATA: (from TOC)

Description of measuring point (MP) Top of PVC casing Depth to water below MP (ft): 7.11

Total well depth (ft): 15.41 Well diameter (in): 2 Length of water column in well (ft): 8.3

Gallons per foot[1]: 0.16 Well volume (gal): 1.33

2. PURGING DATA: Method: Peristaltic Pump Stabilized intake depth: ~14.5

Purge Volume @ 1 well volume: 5.03 (Liters) Purge Rate: 200 → 100 (ml/min)

Parameter equipment: YSI , Turbidimeter

Time	Depth (ft.)	volume removed (liters)	Flow Rate (mL/min)	Temp (EC)	Spec Cond. (uS/cm) @25EC	Dissolved Oxygen (mg/L)	p.H. (Std)	ORP (mV)	Turb. (NTU)
1305	7.11	0	0	Start	----	----	----	----	----
1310	8.73	1	200	7.81	499	0.74	5.46	-19	1.3
1315	8.69	1.5	100	8.22	491	0.44	5.47	-21	0.6
1320	8.70	2.0	100	8.39	491	0.56	5.50	-25	0.9
1322	Sampled								
	Duplicate collected (MW-Dup @ 1200)								

Purge Water Disposal Method Ground Comments (e.g. color / odor): no color / no odor

3. SAMPLE COLLECTION: Method: P.P. Sample Time: 1322

Sample Matrix	Chain-of-Custody#	Shipper ID#	Container Qty/type	Preservation	Analytical method/Lab
GW	1 of 1	Courier	1 L amber	(ice) none	8270C / EA1

[1]well volumes for various diameters in gal./ft.

0.50" = 0.01	0.75" = 0.023	1.00" = 0.041	1.25" = 0.064	1.50" = 0.09
2.00" = 0.16	3.00" = 0.32	3.50" = 0.50	4.00" = 0.65	6.00" = 1.47

1 Gallon = 3.785 Liters

Comments: Collected Duplicate sample (MW-Dup @ 1200)

Time Off Site 1347

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YSI CALIBRATION SHEET

Job Name: Richmond Creamery **Job #:** 1-0346-3

Equipment ID : YSI # Pine Rental 03531 **Serial #:** 02H 1013

Brand of Standard		----------	Cole Parmer	YSI	~~Oakton~~ Pine	~~Oakton~~ Pine	Oakton	Oakton	YSI	YSI		YSI		Oakton
Lot #		----------	—	—	6634	2805167	2805337	—	1125	—				—
Expiration Date		----------	—	—	10/09	4/10	5/10	—	10/13	—				—
Date	Time	Initials	Certified thermometer Temp. - °C	YSI Temp. - °C	Specific Conductivity 1.413 ms/cm @ 25°C	pH 7.00	pH 4.01	pH 10.00	ORP-Zobell Solution (200-275mV)	Barometric Pressure (mmHg)		100% D.O. (%)	100% D.O. (mg/L)	Zero O_2 Solution (mg/L)
5/15/09	0715	TEH	—	14.99	1.413	7.00	4.00	—	240	767		101	10.58	—

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Soil Sample Collection Record

Soil Sample Location ID: SS-NR-01

Project Name: Richmond Creamery II

Project #: 1-0346-3

Site Location: Richmond VT

Date: 3/23/09

Weather Conditions: Cool, sunny

Time on Site: 0900

Sampler: MJM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: 'New Railroad' associated Empty

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): 0-0.5', 1.5-1.0'

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5'	PAH	lab	4 oz	1415	
1.5-2.0'	"	"	"	↓	
0-2.0'	XRF	Field	Ziploc	↓	

General comments / notes: _____

_____

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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Soil Sample Collection Record

Soil Sample Location ID: SSVR-02

Project Name: Richmond Cemetery

Project #: 1-0346-3

Site Location: Richmond, VT

Date: 3/27/09

Weather Conditions: Sunny, cool

Time on Site: 0800

Sampler: MJM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: Non RR Sample

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): 0-0.5 ; 1.5-2.0

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5	lab ⇔ PAH		4oz	1450	
1.5-2.0	PAH	Lab	〃	〃	
0-2.0	XRF	Field	Z-Pac	〃	

General comments / notes: _____

_____

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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Soil Sample Collection Record

Soil Sample Location ID: SS-RR-01

Project Name: Richmond Creamery

Project #: 1-0346-5

Site Location: Richmond, VT

Date: 3/23/09

Weather Conditions: Cool & cool

Time on Site: 0800

Sampler: MJM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: RR spur near prop. boundary

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): 0-0.5' 1.5-2.0'

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5	PAH	lab	4oz	1025	Sandy loam
0-0.5	Asbestos	↓	2 ziploc	↓	
1.5-2.0	PAH	↓	4oz	↓	wet lt brown sand
0-2.0	XRF	field	2 ziploc	↓	

General comments / notes: Sample retained for XRF

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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Soil Sample Collection Record

Soil Sample Location ID: SS-RR-02

Project Name: Richmond Creamery

Project #: 1.0346-3

Site Location: Richmond, VT

Date: 3/23/09

Weather Conditions: Cool Sunny

Time on Site: 0800

Sampler: MJM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: RR spur; bottom of berm, near Farmland property boundary

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): 0-0.5; 1.5-2.0

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5	PAH	lab	4oz	1040	Sandy w/ black chunks
1.5-2.0	PAH	lab	4oz	↓	Hbrown sandy, some GMS little matrix
0-2.0	XRF	field	Ziploc	↓	

General comments / notes: Some cinder / black RR fill - low matrix noted in sample

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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Soil Sample Collection Record

Soil Sample Location ID: SS-RR-03

Project Name: Richmond Crossing

Project #: 1-0346-3

Site Location: Richmond, VT

Date: 3/23/04

Weather Conditions: Cool, Sunny

Time on Site: 0800

Sampler: MJM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: bottom of RR berm, near abandoned well

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): 0-0.5', 1.5-2.0'

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5'	PAH	lab	4oz	1100	Sandy lt brown
1.5-2.0'	↓	↓	4oz	↓	Wet brown mottled clayey sa
0-2.0'	VOC	Field	4oz	↓	

General comments / notes: _____

_____

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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Soil Sample Collection Record

Soil Sample Location ID: SS-RR-04

Project Name: Richmond Crossing

Project #: 1-0346-3

Site Location: Richmond, VT

Date: 3/23/04

Weather Conditions: Cool, Sunny

Time on Site: 0900

Sampler: MBM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: Near active RR ~~tracks~~ tracks

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): 0-0.5' 1.5-2.0'

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5'	PAH	lab	4oz	1115	Sand w/some cinder chunks
1.5-2.0'	PAH	↓	↓	↓	black cinder like material
0-0.5'	Asbestos	↓	Ziploc		
0-2.0'	XRF	Field	↓	↓	

General comments / notes: lower sample black appeared to be RR fill Material; upper sample had some cinder-like material

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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Soil Sample Collection Record

Soil Sample Location ID: SS-RR-05

Project Name: Richmond (reassess) Project #: 1-0341-3

Site Location: Richmond, VT Date: 3/23/09

Weather Conditions: Cool, sunny Time on Site: 0800

Sampler: MJM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: Along estimated loc. of RR spur (see map

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): 0-0.5 ; 1.5-2.0 Some cinder (RR material) noted in both samples ~~Possible~~

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5	PAH	lab	4oz	1155	
↓	Asbestos	↓	2 ziploc	↓	
1.5-2.0	PAH	↓	4oz	↓	
0-2.0	XRF	Field	2 ziploc	↓	

General comments / notes: Collected SS-RR-DUP 1200 0-0.5 and SS-RR-DUP 1.5-2.0

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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Soil Sample Collection Record

Soil Sample Location ID: SS-RR-06

Project Name: Richmond (scenery)

Project #: 1-0346-3

Site Location: Richmond, VT

Date: 3/23/04

Weather Conditions: Cool, sunny

Time on Site: 0800

Sampler: MJM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: Farmer RR spur / see map

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): 0-0.5 ; ~~1.5-2.0~~ @ 0.5-1.0'

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5	PAH	lab	4oz	1220	
~~1.5-2.0~~	↓	↓	↓	↓ @	Refusal @ surface
0-2.0	XRF	Field	Ziploc	↓	

General comments / notes: Refusal @ surface due to rock / gravel
No lower depth sample taken.

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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Soil Sample Collection Record

Soil Sample Location ID: SS-RR-07

Project Name: Richmond Creamery 2 Project #: 1-0341-3

Site Location: Richmond, VT Date: 3/23/09

Weather Conditions: Cool, sunny Time on Site: 0800

Sampler: MJM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: along RR tract

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): 0-0.5' 1.5-2.0'

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0.5-1.0 0-0.5	RAH	lab	4oz	1240	
~~1.5-2.0~~	↓	↓	↓	↓	Refusal @ 1.0
0-2.0	XRF				

General comments / notes: Refusal @ 1.0 due to gravel/rock layer
Sample collected 0.5-1.0'

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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Soil Sample Collection Record

Soil Sample Location ID: SS-RR-08

Project Name: Richmond Crossing

Project #: 1-0346-3

Site Location: Richmond VT

Date: 3/23/09

Weather Conditions: Cool Sunny

Time on Site: 0900

Sampler: MJM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: Along RR Spur bed

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): _____

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5	PAH	lab	4oz	1310	
〃	Asbestos	〃	Ziploc	〃	
1.5-2.0	PAH	〃	4oz	〃	
0-2.0	XRF	Field	Ziploc		

General comments / notes: Dark black Possible RR material

noted 0.3-2.0'

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

THE JOHNSON COMPANY, INC.
100 State Street, Suite 600
Montpelier, VT 05602

Phone: (802) 229-4600
Fax: (802) 229-5876
www.johnsonco.com

Soil Sample Collection Record

Soil Sample Location ID: SS-RR-0A

Project Name: Richmond Creamery

Project #: 1-0341-3

Site Location: Richmond, VT

Date: 3/23/04

Weather Conditions: Cool, sunny

Time on Site: 0800

Sampler: MJM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: Along RR Spur Bed (see map

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Auger

Sample depth range (ft): 0-0.5' ~~1.5-2.0'~~ (M)

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5'	PAH	lab	4oz	1330	
0-0.5'	Asbestos		Ziploc		
~~1.5-2.0~~	~~PAH~~	~~lab~~	~~4oz~~		(M)
0-~~2.0~~0.5	XRF	Field	Ziploc		

General comments / notes: Refusal @ 0.5' due to hard packed sand base / gravel / rock

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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Soil Sample Collection Record

Soil Sample Location ID: SS-RR-10

Project Name: Richmond Culvert Project #: 1-0346.3

Site Location: Richmond, VT Date: 3/23/09

Weather Conditions: Cool, sunny Time on Site: 0800

Sampler: MSM

1. SAMPLE LOCATION AND COLLECTION METHODOLOGY INFORMATION:

Description of soil sampling location: along former rail spur location

GPS coordinates of sampling location: _____ Coordinate system: _____

Sample collection method: Hand Augers

Sample depth range (ft): 0 - 0.5

2. SAMPLE INFORMATION:

Sample depth (ft)	Sample type (analyte(s))	Field or fixed lab analysis	Type of container	Collection time	Sample notes, observations, comments
0-0.5	PAH	lab	4oz	1340	
~~0-0.5~~	~~Asbestos~~	~~↓~~	~~Ziploc~~		~~(M) (no asbestos)~~
0-2.0	XRF	field	Ziploc	1340	
1.5-2.0	PAH	lab	4oz	1340	

General comments / notes: _____

_____

Lab Designation: _____

Chain of Custody #: _____ Shipper Tracking #: _____

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TURBIDITY METER CALIBRATION SHEET

Job Name: Richmond Creamery | Job #: 1-0346-3

Equipment ID: Pine Rental ID 07457 | Serial #: ME 10617

Brand of Standard			LaMotte	LaMotte		Comments
Lot #			2020e default →			
Expiration Date:						
Date	Time	Initials	1.0 NTU Value	10.0 NTU Value	___ NTU Value	
5/15/09	0645	TEH	0.99	10.00		

Location Richmond, VT Date 3/23/09

Project / Client Richmond Creamery

1-0346-3 MJM, JEM, Phil (Argo Array)

Weather: Cool, Sunny

0800 Arrive on site review HASP

0815 Site walkover / Prepare for PCB sampling

0900 Jeremy starts concrete sampling

0905 Scott starts pit excavation

1010 Start soil sampling

1025 Collect SS-RR-01

1040 " SS-RR-02

1100 " SS RR-03

1115 " SS-RR-04

1155 " SS-RR-05 / SS-RR-DUP

1220 " SS-RR-06

1230 Work w/ Scott to uncover pit

~~1300~~ 1240 Collect SS RR-07

1310 " SS-RR-08

1330 " SS-RR-09

1340 " SS-RR-10

1425 " SS-NR-01

1435 " SS-PS-01

1450 " SS-NR-02

1500 " SS-PS-02

1525 Collect SS-FB-ACM-01

Building w/ ACM shingles through SS-FB-ACM-08

1610 Collect SS-CB-ACM-01

+ SS-CB-ACM-02

Location Richmond, VT Date 3/23/09

Project / Client Richmond Creamery

1-0346-3 MJM, JEM

1620 Assess pit situation

1630 Pack up

1700 Depart site

Location Richmond, VT Date 3/24/99

Project / Client Richmond Creamery

1-0346-3 MJM JEM

Weather: cold, clear

0700 Arrive on site
block off "west" area

0710 Scan for tanks;
No UST detected with
metal detector

0755 Sample PCB surficial soils
near former transformers
(SS-PCB-1, SS-PCB-2, SS-PCB-3)

0830 Collect PCB samples
near Factory buildings
(SS-FB-PCB-01 through 04)

0900 Collect PCB samples near
storage shed (SS-SS-PCB-01
through 03) and AST (SS-
AST-PCB-01)

0940 Collect samples for XRF

1020 Observe pit & water sump in
buildings / take PID readings @ pit

1145 Collect sample @ runoff location
SS-WR-01

1220 Meet w/ Precision

1245 GPS all RFR locations, PCB + Pest. locations

1500 Pack up

1530 Depart site

Location Richmond, VT Date 4/14/09

Project / Client CCRPC

SO: MJM, RTH, Mak Many (UVM archaeology) ENPRO Drillers

0730 Arrive on site
Weather: sunny, ~30°F

0800 Review Health & Safety Plan w/ UVM archs drillers

0815 Calibrate PID

0820 Drill MW-1 (well near possible trash location) 4.5' to water in temp

0910 Collect sample from sump (VOCs, SVOCs, RCRA Metals)

0930 Meet w/ Ammonia refridgeration contractor

1000 Start Drilling MW-2

1045 Collect sample VAST-1 (surface near surface) (0 PID reading, but stained from AST)

1120 Drill MW-3

1230 take pictures + measure from top of existing well; 18' high, 19.5' to bottom of well, not possible to access (confined space) No water observed in concrete well area

1340 Drill MW-4

Location Richmond, VT Date 4/14/09

Project / Client CCRPC

MJM, RTH, Mak, ENPRO

1440 Drill MW-5

1550 Drillers depart site
Develop wells MW-1

1600 Measure WL MW-4 16.92
TD: 17.59

1605 " MW-5 6.33
TD = 15.59

1720 Depart S.K

Location Richmond, VT Date 4/15/09

Project / Client CCRPC - Richmond Creamery

MJM, ENPRO, Kate (UVM archaeologist)

0715 Arrive on site

Weather: sunny, cool, 35°

0730 Calibrate PID (monical)

0750 Start Drilling MW-6 (downgradient wastewater tank)

0905 Start drilling MW-7 (downgrad'nt Factory)

1020 Attempt 5 wells near (downgradient) boiler building + AST 3 hit ledge 1.5 - 2.0 feet at all locations

1290 Drill MW-8

1300 Drill MW-9

1425 Drillers Depart Site

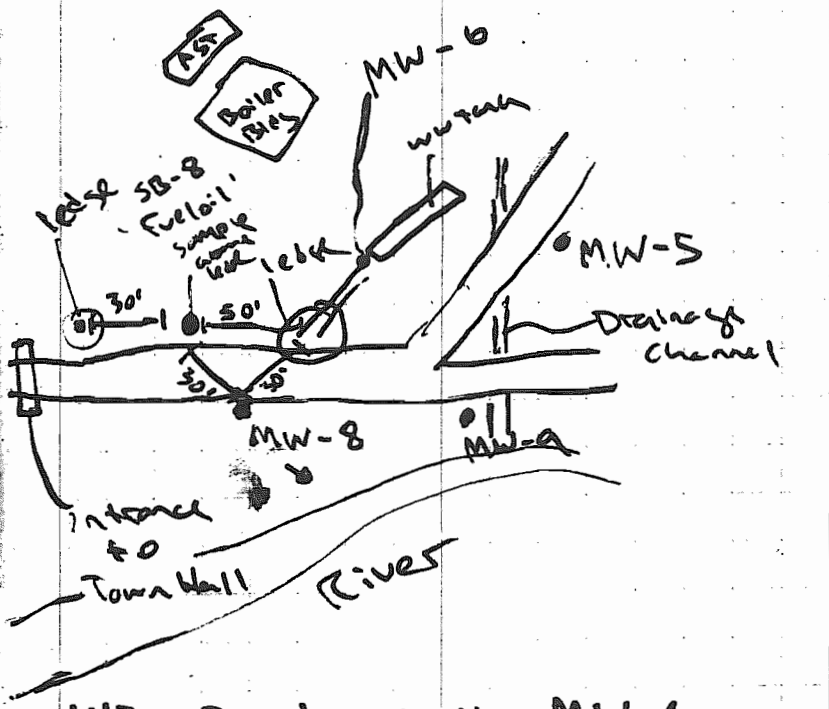
Note: collected add'l sample for VOCs (SB-08) due to presence of petroleum odor and PID readings in soil above ledge in area downgradient (towards River) from AST

Location Richmond, VT Date 4/15/09

Project / Client CCRPC - Richmond Creamery

MJM, ENPRO, Kate

Map of area w/ petroleum odor samples



1430 Develop wells MW-6, MW-7, MW-8

1615 Depart site

Location Richmond, VT Date 4/15/09

Project / Client Richmond Crossing

Depth to Water levels + Well total Depths 4/14 + 4/15

WELL ID	WL	TD
MW-1	11.78	15.78
MW-2	10.64	17.09
MW-3	18.18	19.4
MW-4	16.92	17.59
MW-5	6.33	15.59
MW-6	5.60	13.24
MW-7	6.29	9.35
MW-8	5.43	8.0
MW-9	6.06	15.41

Location Richmond, VT Date 4/20/09

Project / Client CCRPC - Richmond Crossing

MJM, TEH, KES

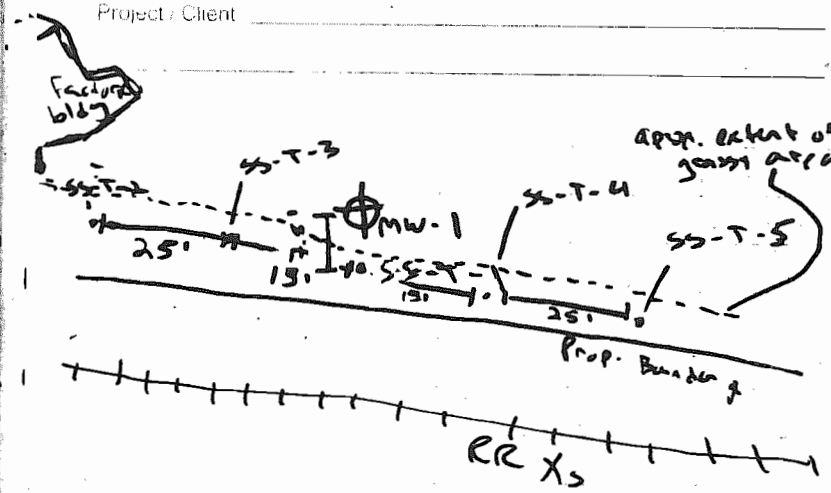
0715 Arrive on site
Weather: breezy, cool, sunny
Health + safety brief.
TEH, KES: calibrate YSI
MJM WL readings
0740 Start WL Readings

Well ID	Time	DTW
MW-1	0740	11.88
MW-2	0742	10.66
MW-3	0745	18.56
MW-4	0748	17.14
MW-5	0752	6.42
MW-6	0757	6.32
MW-7	0800	6.48
MW-8	0803	4.98
MW-9	0808	5.52

0850 Develop MW-6
0900 TEH, KES Start sampling
MJM collect soil samples / Develop MW-6

Location _____ Date _____

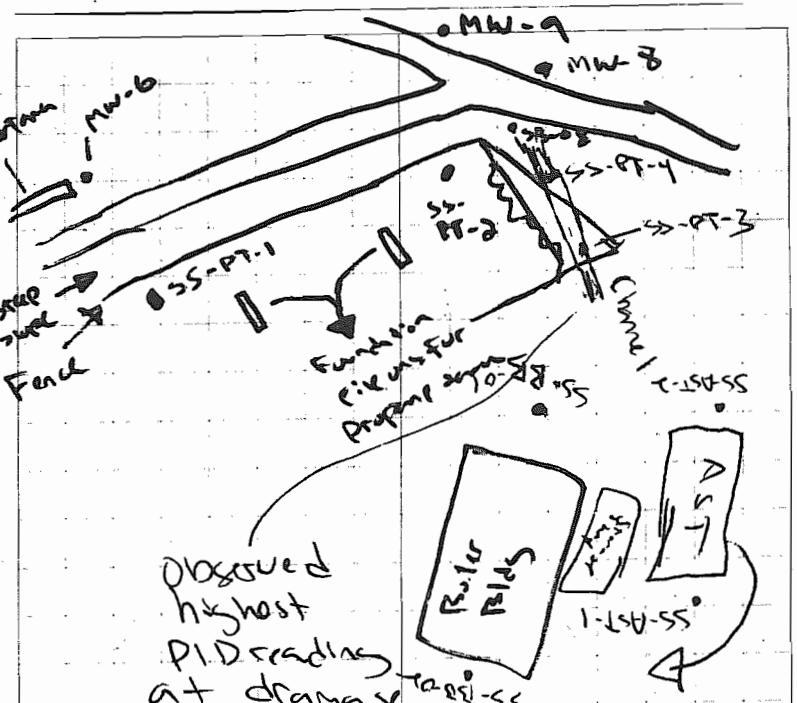
Project / Client _____



0945 collect SS-T-1 @ 0.5' + 1.5-2.0'
1030 collect SS-T-2 0-0.5' + 1.5-2.0'
1050 collect SS-T-3 0-0.5' + SS-T-DP
collect SS-T-3 1.5-2.0' (@1200)
1110 Collect SS-T-4 0-0.5' / 1.5-2.0'
1130 Collect SS-T-5 0-0.5' / 1.5-2.0'
1210 Calibrate MiniRae
1230 Screen Soils @ 8 locations
1240 Hand Augs / PID SS-PT-1 to 2.5' → PID=0
1250 Hand Augs / PID SS-PT-2 to 2.3 → PID 0.0
1300 Hand Augs / PID SS-PT-3 to 2.5' → PID 1.4 - 3.2
1310 Collect sample SS-PT-3 0-0.5 SS-PT-3 1.5-2.0

Location _____ Date _____

Project / Client _____



channel (~½ way up) between AST/boiler building and SB-08
PID = 1.4 - 3.2 in hole (no PID readings directly from soil)
- Collected SS-PT-03 0-0.5' SS-PT-03 1.5-2.0' and DUP (SS-DP 0-0.5 + SS-DP 1.5-2.0)

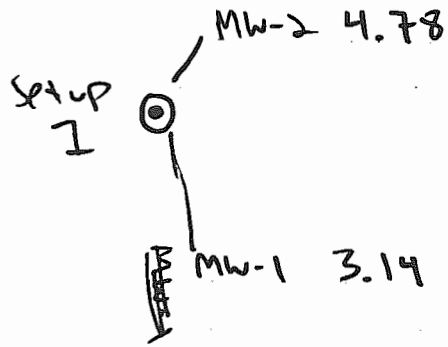
1345 collect SS-BR-01 0-0.5 + 1.5-2.0
(PID readings @ SS-BR-01 and SS-BR-02 = 0.0

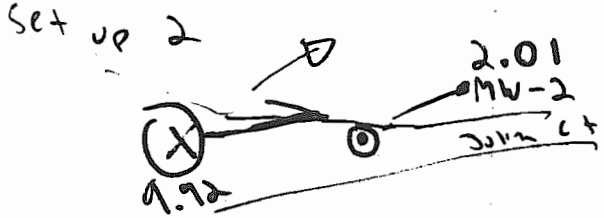
Location Richmond, VT Date 4/20/09

Project / Client Richmond Crossing / CCRPC

1410 Collect SS-AST-2 0-0.5
(PID reading 72.4)
SS-AST-2 1.5-2.0
(PID reading 19.8

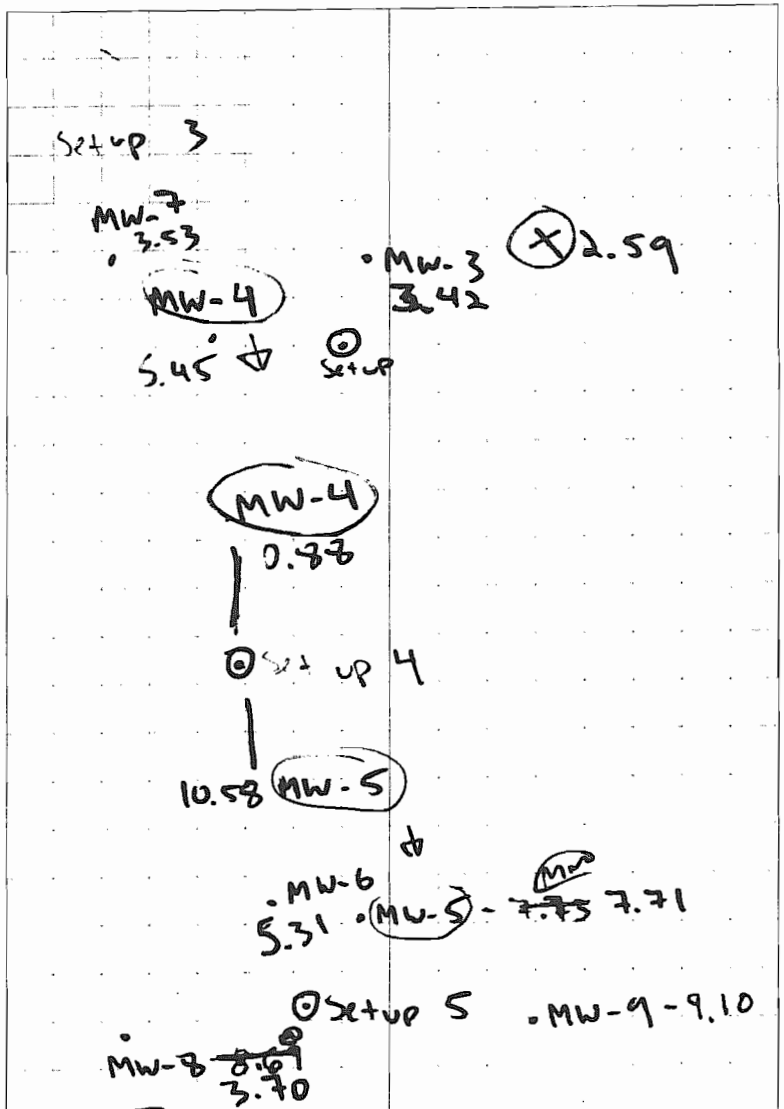
1500 set up for surveying





Location Richmond, VT Date 4/20/09

Project / Client Richmond Crossing / CCRPC



1700 Finish samples / Pack up

1730 Depart site

Location Richmond VT creamery Date 3/23/09

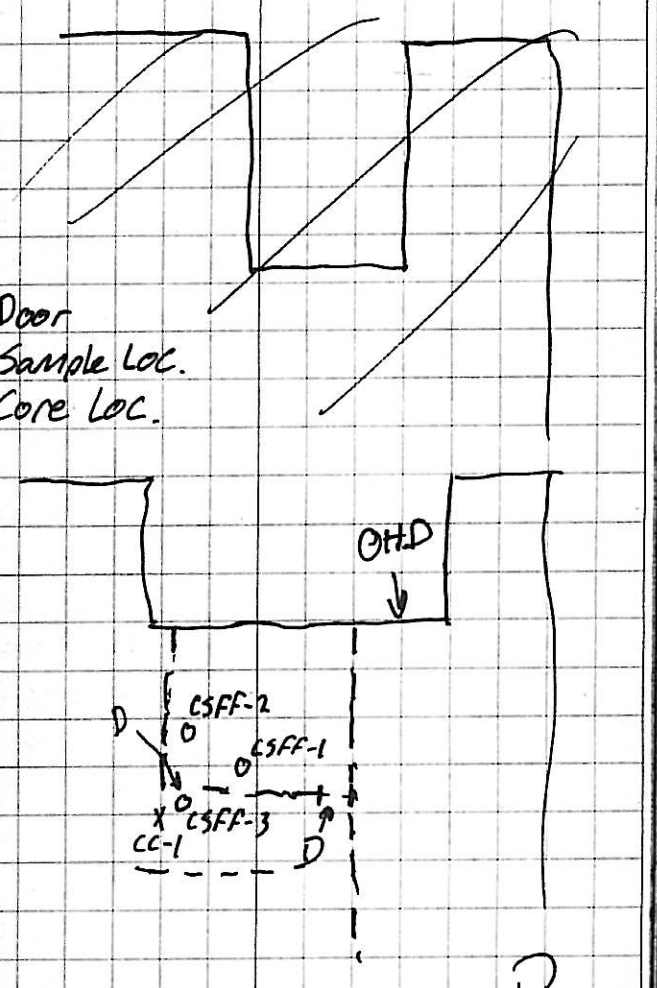
Project / Client Richmond creamery

1-0346-3

0800 - JEM MJM onsite

Partly cloudy, Breezy

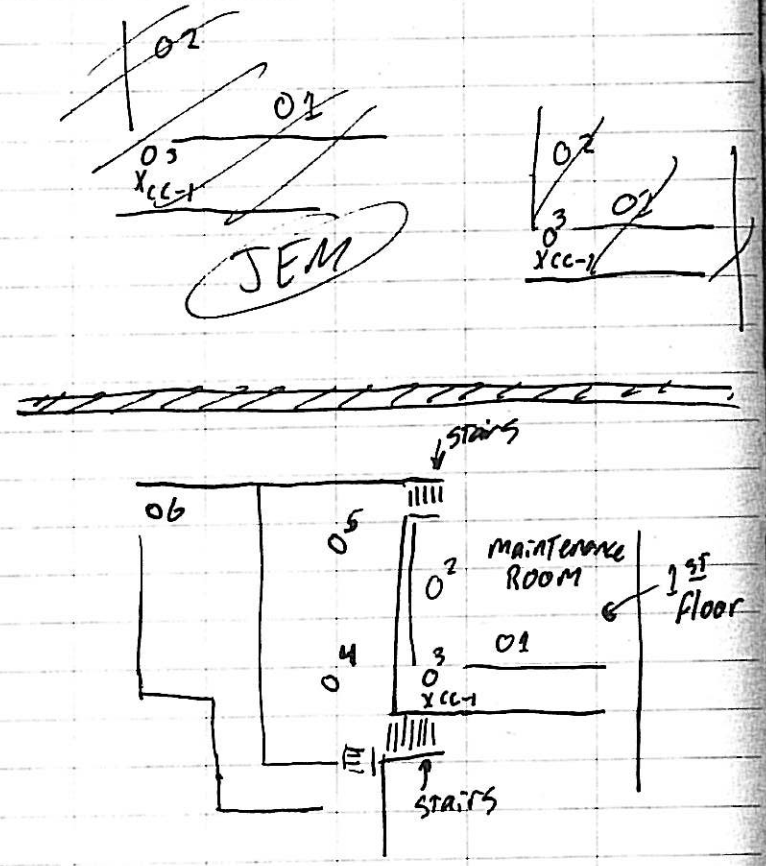
~ 10-15 °F



Location Richmond, VT Date 9/23/09

Project / Client Richmond Creamery

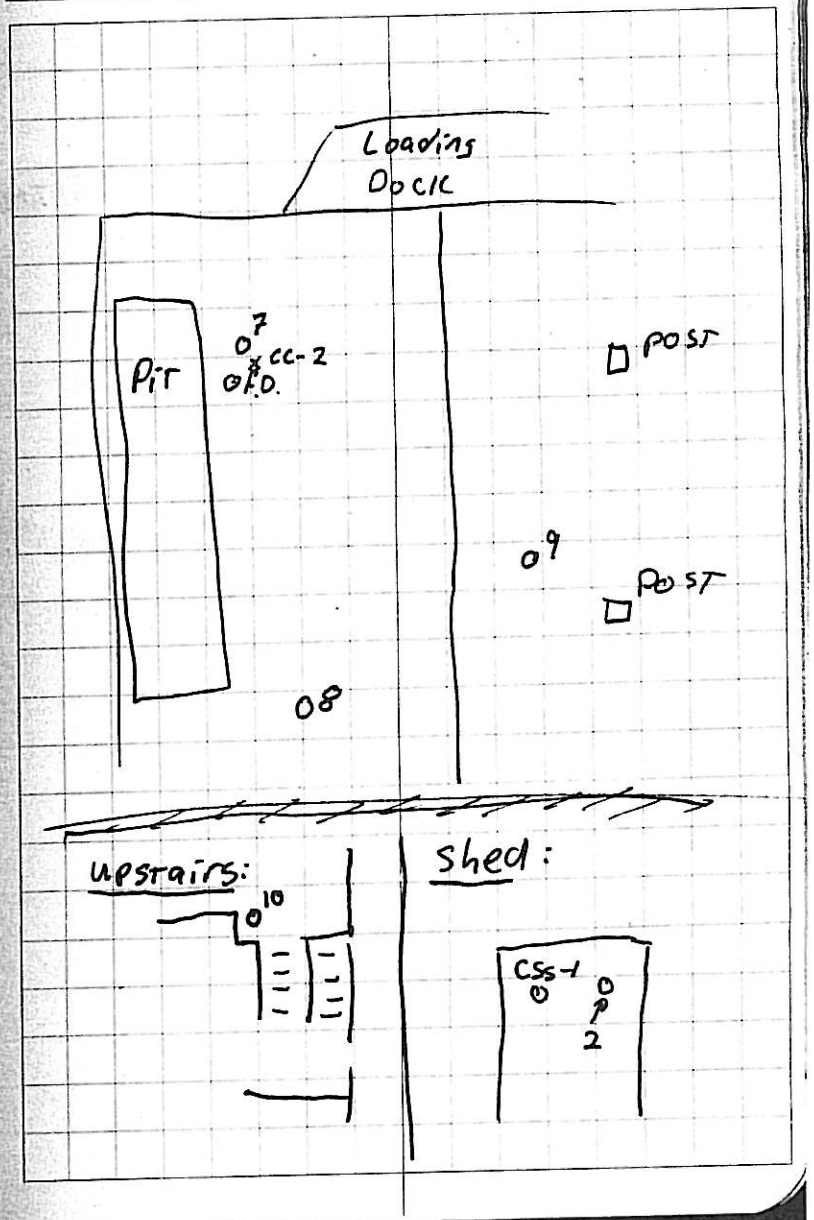
1-0346-3



Location Richmond VT Date 3/23/09

Project / Client Richmond creamery

1-0346-3



Location Richmond Creamery Date 3/23/09

Project / Client 1-0346-3

Sample	Time	notes
CSFF-1	1054	
2	1059	
3	1105	PCB Dup @ 1200 (false Time)
4	1225	
5	1229	
6	1233	
7	1313	
8	1307	
9	1302	
10	1242	@ stainins, near Drum: "oldoil"
CSS-1	1538	
CSS-2	1535	

Location Richmond, VT Date 3/23/08

Project / Client Richmond Creamery

1-0346-3

CC-1: @ 1130

~~Conc ~ 6-7" thick~~ @ Didn't get all the way Through

Conc ~ 1.25 ft thick

CC-2: @ 1335

- Conc ~ 4" thick
- moist gray fine silty Sand w/ rounded (small) gravel below conc
- no staining / sheen / odor
- ~3" material came up w/ corer. Placed in 2 Jars @ 1330

1700 - JEM / MSM offsite

Richmond, VT 3/24/08
Richmond Creamery
1-0346-3

0715 - JEM onsite
0720 - used metal detector to search for USTs: NO result
0745 ~~0730~~ JEM - set up corer, change bits, etc

0900 to core complete, collect samples
Can't collect samples => TOO much debris in bottom (see pictures)

Sub-slab soil samples
-PCBs, VOCs, PRG metals

Sample	Time	NOTES
Sub-slab-1		immediate Refusal
Sub-slab-2	1025	

Richmond VT 3/24/09
Richmond Creamery
1-0346-3

1130 - Calibrate PID (MISM)
=> 105 ppm w/ span gas
=> 0.4 Ambient

1135 - Measure pit:
- ~ 6' deep
- 0.2 ppmV

1145 - Placed concrete block over hole in pit roof

1200 - JEM offsite

Location Richmond VT creamery Date 3/23/09

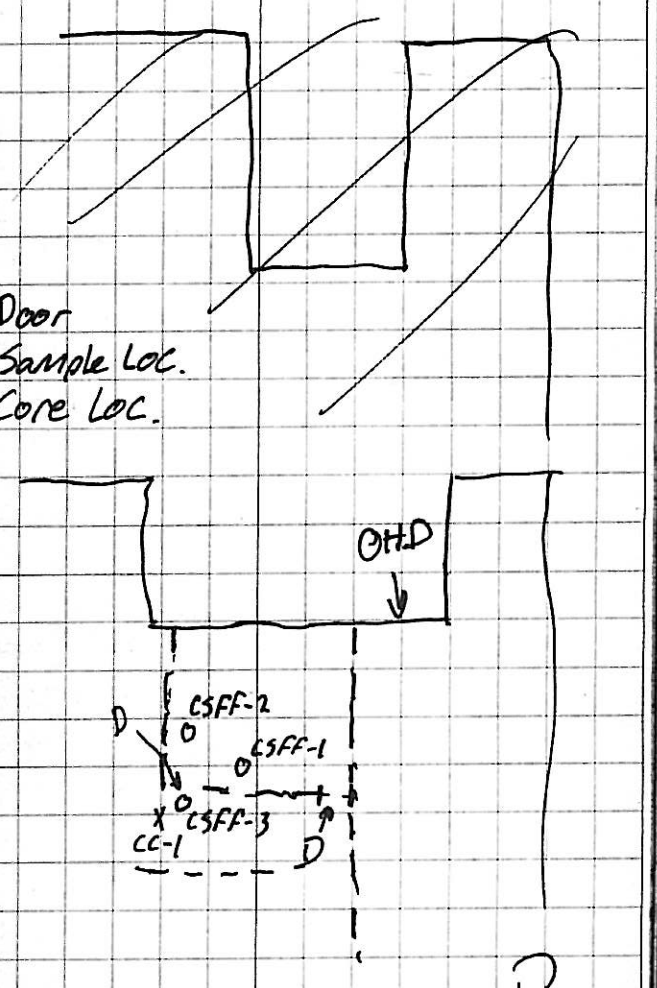
Project / Client Richmond creamery

1-0346-3

0800 - JEM MJM onsite

Partly cloudy, Breezy

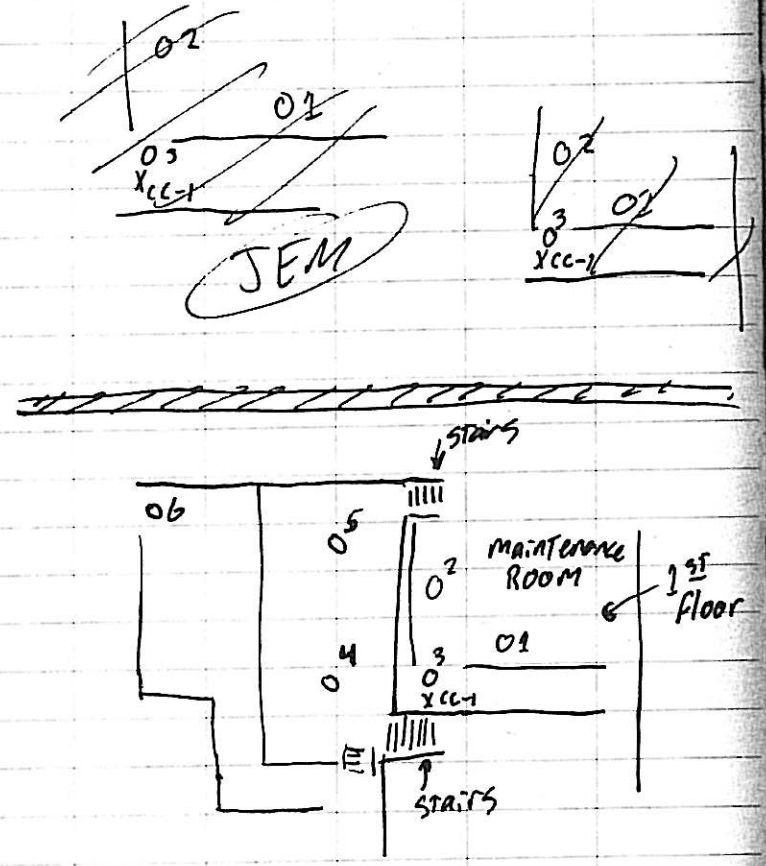
~ 10-15 °F



Location Richmond, VT Date 9/23/09

Project / Client Richmond Creamery

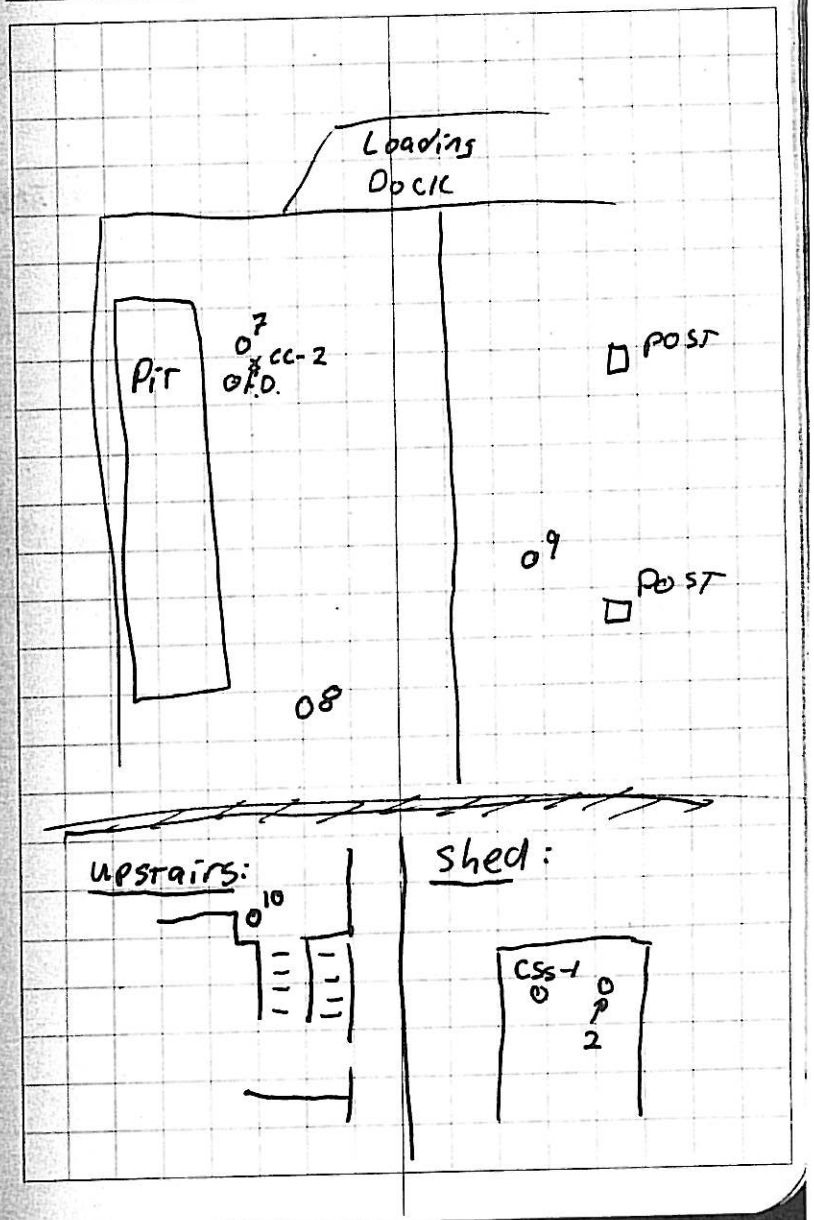
1-0346-3



Location Richmond VT Date 3/23/09

Project / Client Richmond creamery

1-0346-3



Location Richmond Creamery Date 3/23/09

Project / Client 1-0346-3

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Location Richmond, VT Date 3/23/08

Project / Client Richmond Creamery

1-0346-3

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Richmond Creamery
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Richmond VT 3/24/09
Richmond Creamery
1-0346-3

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