PHASE III REMEDIAL INVESTIGATION REPORT FOR THE BEE-JAY SCALES SITE

Chevron Environmental Management Company
& BP America, Inc.

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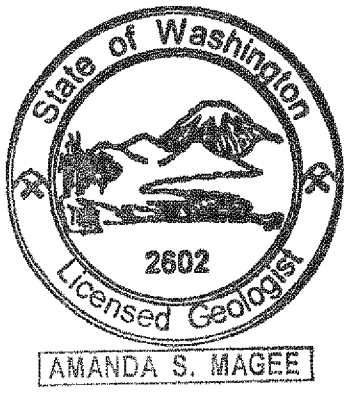

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1.0 INTRODUCTION

This document summarizes the Phase III Remedial Investigation (RI) completed by SECOR International Incorporated (SECOR) on behalf of the Chevron Environmental Management Company (CEMC) and BP America, Incorporated (BP) at the Bee-Jay Scales Site in Sunnyside, Washington (the Site). This project is being implemented in accordance with the Washington State Department of Ecology (Ecology) Washington Model Toxics Control Act (MTCA) and Ecology Agreed Order No. DE 02TCPCR-3932.

1.1 Purpose

The objectives of the Phase III RI were to:

- Delineate the horizontal and vertical extent of the off-property nitrate impacts down-gradient of the Bee-Jay Scales property;
- If necessary, install one or more monitoring wells at the down-gradient edge of the nitrate plume for performance monitoring; and
- Define a site-specific soil/water partitioning coefficient for nitrate to provide more accurate fate and transport modeling results.

The purpose of this report is to summarize the sampling activities and treatability studies conducted as part of the Phase III RI and present the results in comparison to screening criteria.

1.2 Report Organization

This report is organized as follows:

- Summaries of the Site background, historical operations, and previous investigations are included in the remaining portion of Section 1;
- A summary of the Phase III RI activities, including vertical profile boring and monitoring well installation and sampling, is presented in Section 2;
- A summary of the analytical results, including comparisons to MTCA Method B Cleanup Levels (CULs) or secondary Maximum Contaminant Levels (MCLs), are included in Section 3;
- A summary of the results of the Phase III treatability testing is included in Section 4; and
- Summary and conclusions are presented in Section 5.

1.3 Background

Information regarding the Site description and historical operations at the Site has been adapted from the *Remedial Investigation/Feasibility Study Work Plan, Bee-Jay Scales Site, Sunnyside, WA* (CH2M Hill, February 2003) [RI/FS Work Plan]. The RI/FS Work Plan was approved by Ecology in March 2003.

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1.3.1 Site Description

The Site is located in the city of Sunnyside, within Yakima County, and is composed of two property parcels: Parcel No. 22102522014 and Parcel No. 22102522015 as recorded by the Yakima County Department of Assessment. Parcel No. 22102522014 is located at 116 North 1st Street, and is owned by Bee-Jay Scales, Inc. Parcel No. 22102522015 is located at 301 Warehouse Avenue, and is owned by Hickenbottom & Sons, Inc. Hickenbottom & Sons also owns additional contiguous property on which their business is located.

The Site is divided into six main study areas as follows:

- Area 1 - Liquid Fertilizer Plant and Truck Wash Area
- Area 2 - Dry Fertilizer Area
- Area 3 - Drum Storage Area
- Area 4 - Suspected Historic Washdown Area
- Area 5 - North Area
- Area 6 - Hickenbottom Property

The Site location is shown on Figure 1-1, and the Site layout, including building locations and additional features, is shown on Figure 1-2.

1.3.2 Site History

The Site and adjacent properties have been the location of agricultural warehouses, lumber yards, coal storage, and railroad transportation activities since approximately 1906.

Portions of the Site were owned by the Northern Pacific Railroad Company from 1906 until 1989 when purchased by the Glacier Park Company (GPC). An agricultural distribution facility operated at the Site from the 1960s through at least 1986. This facility consisted of buildings and above ground storage tanks (ASTs), and was operated by at least two separate companies: Laneger Agricultural Services and Valley Agricultural, Inc. Documentation also indicates that during the 1970s, Amoco, now known as BP, leased portions of this property from Northern Pacific Railroad. The ASTs have since been removed from the Site. A lagoon was constructed by Valley Agricultural, Inc. in the early 1980s to collect water from the washdown of farm chemical applicator vehicles.

The western portion of Lot 10 was purchased by Chevron Chemical Company in 1981 and sold to Bee-Jay Scales, Inc. in 1987. Bee-Jay Scales, Inc. purchased additional portions of Lots 10 and 11 in 1995 and 1996. Please note Lots 10 and 11 are referenced in the Summary of Ownership included as Appendix B of the RI/FS Work Plan, and are not shown on any available figures.

Hickenbottom & Sons, Inc. leased a portion of the Site from the Northern Pacific Railroad Company beginning in 1961 and purchased portions of Lots 10 and 11 in 1992. The Hickenbottom property was previously used as pastureland, and since 1961 has been used for food packing, storage, and a transportation business.

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Three businesses currently operate at the Bee-Jay Scales portion of the property: Sandy Farms, a local trucking company; Sanleco, Inc., an interstate trucking company with an on-site tractor-trailer repair garage; and Bee-Jay Scales, a commercial scale operation.

Hickenbottom & Sons, Inc. is a food-processing and distribution company. Most of Hickenbottom & Sons current operation consists of a refrigeration warehouse. The Hickenbottom property that makes up a portion of the Site is currently leased to the Johnson Fruit Company and is used to store produce bins, pallets, tractor-trailer rigs, and other miscellaneous equipment. The remainder of the Hickenbottom & Sons property is used for tractor-trailer and produce storage, as well as transportation.

1.4 Previous Investigations

Investigations conducted by previous consultants before July 2003 are summarized in the RI/FS Work Plan. Several investigations and evaluations have been conducted by SECOR at the Site. The results of these previous investigations are included in the following reports and memoranda:

- *Phase I Remedial Investigation Report* (SECOR, October 2003);
- *Phase II Remedial Investigation Report* (SECOR, May 2005);
- Phase II bench-scale treatability testing and field pilot study (documented in the *Phase II Remedial Investigation Report*); and
- BIOSCREEN modeling (documented in the *Preliminary Screening of Remedial Alternatives Technical Memorandum for the Bee-Jay Scales Site* [SECOR, November 2005])

In addition to the previous investigations, quarterly groundwater monitoring is conducted. The following subsections summarize the key findings of each investigation and evaluation.

1.4.1 Phase I RI

The Phase I RI activities were conducted in July 2003 and consisted of soil and groundwater investigations.

SECOR collected soil samples from borings installed to depths of up to 11 feet below ground surface (bgs) in each of the six identified areas at the Site. Eight soil borings were installed in Area 1, seven soil borings in Area 2, two soil borings in Area 3, six soil borings in Area 4, five shallow soil borings in Area 5, and seven soil borings were installed in Area 6 (two of which were shallow). Results indicated a TPH-Gx value exceeded Method C CULs at a depth of 7.5 feet bgs at A3-SB-002. Also, nitrogen and sulfate compounds were present throughout the unsaturated zone soil samples at high concentrations in potential surface source areas.

Three, two-inch diameter shallow wells were installed at the Site as part of the Phase I groundwater investigation to supplement information provided by three existing wells (MW-1, MW-3, and MW-4). The fourth previously installed monitoring well (MW-2) could not be located. Two of the new wells (MW-5 and MW-6) were installed in Area 2, and one well (MW-7) was installed in Area 5. The constituents requiring further evaluation based on the Phase I RI results were: 1,2-dichloropropane, arsenic, total nitrates and nitrites, sulfate and iron.

Groundwater at the Site was encountered at depths ranging from approximately 7.4 to 11.9 feet bgs during the Phase I RI, and the groundwater flow direction was determined to be south-easterly. The estimated hydraulic conductivity of the water-bearing zone beneath the Site, based on slug tests conducted on all six monitoring wells during Phase I activities, ranged from 8.44E-06 feet per second (ft/s) to 2.67E-03 ft/s (2.57E-04 cm/s to 8.12E-02 cm/s), and the estimated average hydraulic conductivity was 5.23E-04 ft/s (1.59E-02 cm/s).

Consideration of the soil leaching to groundwater pathway was concentrated around the constituents identified above MTCA Method C CULs or secondary MCLs in the groundwater investigation. A brief summary of the findings is provided below:

- 1,2-Dichloropropane was not detected in soil at the Site, indicating Site soils are not the source of its detection in groundwater at MW-4;
- Arsenic concentrations in soil were less than or just above the background concentration. Arsenic was further evaluated in the Phase II groundwater investigation;
- The soil data suggested an aboveground source of stored fertilizer that had leached nitrogen compounds (nitrates, nitrites, and ammonia) to the soil. The major nitrogen source area appears to be directly east of the Dry Fertilizer Manufacturing Building in Area 2, and two source areas appear to be located adjacent to the lagoon;
- The potential source areas for sulfate were consistent with identified nitrogen source areas, indicating sulfate may be a component in the fertilizer blends released at the Site; and
- Iron was present in the surface soils at levels below the natural background concentration. These concentrations may be contributing to the presence of iron in groundwater.

1.4.2 Phase II RI

The Phase II activities at the Site included a soil investigation, groundwater investigation, surface water/sediment investigation, and pump testing for hydraulic conductivity.

SECOR conducted the Phase II soil investigation in May 2004. Soil samples were collected from borings installed in Areas 3 and analyzed for TPH-Gx. Soil samples were also collected from borings installed in Area 5 and analyzed for ammonia, iron, nitrates, nitrites, phosphate, and sulfate. Ten of the soil samples from Area 5 were selected for synthetic precipitate leaching procedure (SPLP) analysis following nitrogen compound analysis to more accurately evaluate the soil leaching to groundwater pathway.

The Phase II groundwater investigation consisted of the installation of vertical profile borings and permanent monitoring wells. A total of eighteen temporary monitoring wells were installed in vertical profile boreholes for groundwater sample collection at depths of 10 and 20 feet bgs. The vertical profile borings were installed in Area 1, Area 5, and Area 6. Groundwater samples from the vertical profile borings were analyzed for the following constituents: arsenic, alkalinity, chloride, dissolved oxygen (DO), nitrates, nitrites, ammonia, phosphate, sulfate, iron, herbicides, pH, and oxidation-reduction potential (ORP).

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A total of five permanent monitoring wells were installed during various stages of the Phase II investigation. Monitoring well MW-8 was installed in Area 1 in May 2004. Four additional permanent monitoring wells, one off-property (MW-9) and three on-property (MW-10 through MW-12), were installed in October 2004. Groundwater samples were collected from the five permanent monitoring wells and analyzed for arsenic, alkalinity, chloride, DO, nitrogen compounds, phosphate, sulfate, iron, herbicides, pH, and ORP. Samples from MW-10 and MW-11 were also analyzed for VOCs, TPH-Gx, and TPH-Dx.

The surface water/sediment investigation of the lagoon located in the southeastern portion of Area 1 was completed in June 2004. One sample of the lagoon surface water and one sample of the lagoon sediment, along with duplicate samples, were collected to evaluate the nitrogen concentrations.

Single well pump tests were performed at monitoring wells MW-1 and MW-3 through MW-8 to estimate the horizontal hydraulic conductivity of the aquifer. The hydraulic conductivities (K) were calculated to range from 2.74E-05 to 4.12E-04 cm/s, with an average hydraulic conductivity of 1.45E-04 cm/s. This hydraulic conductivity is characteristic of fine sands, organic and inorganic silts, and mixtures of sand, silt, and clay.

The following findings and conclusions were reached from the Phase II RI activities:

Area 3 Soils

- Detected concentrations of TPH-Gx in Area 3 at a depth of 7.5 feet bgs were above MTCA Method B and C CULs.

Area 5 Soils

- Detected concentrations of constituents of concern in subsurface soil in Area 5 did not exceed MTCA Method B and C CULs or other screening criteria.

Area 5 SPLP

- Comparing the detected results of the Area 5 SPLP analysis against MTCA Method B and C groundwater criteria or secondary MCLs, nitrite-N and sulfate did not exceed groundwater standards. Nitrate-N and iron did exceed MTCA Method B and C criteria and secondary MCLs, respectively.

Lagoon Water and Sediment Samples

- Concentrations of ammonia-N were detected in the lagoon surface water and sediment samples. No detections of nitrate-N or nitrite-N were observed.

Groundwater

- Nitrate-N was detected in all newly installed monitoring wells at concentrations above the MTCA Method B criteria. The high concentrations observed in MW-8 and MW-12 are contained within the main nitrate-N source areas as defined in the Phase I RI. High

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concentrations of nitrate-N were also detected in MW-9, which is located off-property in a southeasterly direction. The nitrate-N concentrations detected at MW-10 and MW-11 are slightly over the MCTA Method B criteria and likely approach background concentrations.

- Concentration isopleths of nitrate-N developed from the vertical profile sampling show source areas are primarily located in the southeastern portion of the property (Area 1 and the southern section of Area 6).
- Ammonia-N was also detected at MW-8 and MW-12, within the source areas identified during the Phase I RI. Ammonia-N was not detected in MW-9, which suggests that the ammonia is being naturally attenuated and is not migrating off-property.
- 2,4-D (also known as 2,4-dichlorophenoxyacetic acid) was detected in MW-12 at concentrations slightly in excess of the MTCA Method B criteria.
- Arsenic concentrations in all five newly installed monitoring wells exceeded the MTCA Method A, B, and C criteria. However, the range of arsenic concentrations observed are fairly consistent across the property and appear to be within normal background concentrations for arsenic.
- Exceedances of the MTCA Method B and C groundwater criteria were observed in the vertical profile borings at both the 10-foot and 20-foot depths for ammonia-N, arsenic, nitrate-N, and nitrite-N, and at the 20-foot depth for 2,4-D and dinoseb.
- Detected concentrations of benzene in MW-10 exceeded MTCA Method A, B, and C groundwater criteria.

1.4.3 Phase II Treatability Investigation

A treatability investigation, including both a bench-scale study and field pilot study, was conducted as part of the Phase II RI to guide future nitrate and herbicide remediation activities. The field pilot study consisted in-situ injection of sodium acetate into four injection wells installed around well MW-4. Results are summarized below:

- The treatability study determined that the most effective treatment was denitrification using acetate as an electron donor.
- The pilot study demonstrated that the injection of acetate was successful in lowering nitrate-N, nitrite-N, and dinoseb concentrations to below detectable limits in the groundwater at MW-4 within a ten-foot diameter for the duration of the monitoring period, and that it also reduced the concentrations of those constituents in saturated soils.
- Groundwater samples collected from borings installed at locations 10 and 15 feet west of the pilot study area were used to determine the range of influence of the pilot study treatment. Nitrate-N detections at levels above the MTCA Method B and C groundwater criteria were observed (maximum of 388 mg/l at SB-PS-003), indicating these boring locations were outside the main zone of influence.
- Elevated concentrations of nitrate and ammonia appear to be toxic to the bacteria that convert ammonia to nitrates.
- Subsurface aeration was not effective in removing ammonia-N concentrations from the groundwater. Although pH adjustment was able to de-ionize the ammonium ions to form ammonia gas, the ammonia gas was absorbed by the overlying soil column before reaching ground surface.

1.4.4 BIOSCREEN Modeling

To assess the transport of nitrate off-property, two methods were utilized. The first was a weight-of-evidence approach, and the second was the use of the BIOSCREEN Natural Attenuation Decision Support System Version 1.4 (BIOSCREEN).

A weight-of-evidence approach for estimating the transport of nitrate was developed for the Site. An average linear velocity of groundwater of approximately 1.2 feet/year was determined using site-specific parameters. This groundwater velocity was assumed to be representative of the aquifer conditions down-gradient of the property.

A groundwater fate and transport model was also used to estimate how far nitrate would travel from the property over various periods of time. Groundwater concentrations for nitrate were modeled with BIOSCREEN. The model was calibrated using site-specific parameters, then used to predict time of travel for nitrate transport toward a down-gradient municipal water supply well. The following predictions were made from the BIOSCREEN modeling:

- The center of the nitrate plume is moving at a rate of approximately 1 to 2 feet per year. Due to dispersion, the front of the plume is shown to move at a rate of approximately 2 to 3 feet per year.
- Dispersion is causing the maximum concentration of the plume to decay exponentially. Thus, the maximum concentration of the plume would decrease at least one order of magnitude by the time it travels 900 feet.
- The plume will require a travel distance of more than one mile (travel time of more than 2000 years) before the maximum concentration of nitrate will decrease by dissolution to less than the Federal Drinking Water MCL of 10 mg/l, and significantly longer to reach the MTCA Method B CUL of 1.6 mg/l.

1.4.5 Quarterly Groundwater Sampling

Quarterly groundwater sampling has been conducted at the Site since July 2003. The monitoring well network has expanded during each investigation, and currently, groundwater samples are collected from twelve monitoring wells: MW-1, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, and newly installed MW-13. Monitoring well locations are shown on Figure 1-2.

Depth to groundwater and total well depth are measured each quarter. Based on the hydrogeologic data collected during the most recent groundwater monitoring event (2Q07), depth to groundwater ranged from 6.50 feet in MW-11 to 11.68 feet in MW-1. The groundwater elevation ranged from 732.21 feet above mean sea level (AMSL) at off-property well MW-13 to 735.60 feet AMSL in the southwestern portion of the Site at MW-11. The groundwater flow direction is generally to the northeast in the northern portion of the Site (near MW-1 and MW-7) and in southeasterly direction in the southern portion of the Site and off-site, with a groundwater flow divide observed at the southern edge of Area 5.

Concentrations of detected constituents exceeding MTCA Method B CULs or secondary MCLs are shown at each well location for the last four quarterly events (3Q06 through 2Q07) on Figure 1-3.

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2.0 PHASE III RI ACTIVITIES

The Phase III RI consisted of the installation and sampling of 12 vertical profile borings and one permanent groundwater monitoring well. Investigation details are included below. A discussion of the results is presented in Section 3.

2.1 Vertical Profile Borings

A total of 12 vertical profile borings were installed in two mobilizations to delineate the boundaries of the off-property nitrate plume in groundwater. During the first mobilization, conducted in March 2007, ten vertical profile borings were installed (OP-VP-001 through OP-VP-010), and eight of these were sampled. During the second mobilization, conducted in May 2007, one of the previous borings was sampled (OP-VP-010) and three additional vertical profile borings were installed and sampled (OP-VP-011 through OP-VP-013). Figure 2-1 shows the vertical profile boring locations.

The vertical profile borings were cleared to a depth of 8 feet bgs by air knife, and then advanced to the desired sampling depths by GeoProbe. Soil from each boring was visually inspected by the field personnel. Soil lithology was logged using the United Soil Classification System (USCS). Lithologic descriptions (including soil type(s), color, grain size/texture, degree of consolidation, and moisture content) and observations were recorded on the boring logs (included in Appendix A). Soil from each boring was screened using a photo-ionization detector (PID). Soil samples from the vertical profile borings collected from depths of 18 to 23 feet bgs were submitted to SECOR's treatability testing laboratory. Treatability testing procedures and results are discussed in Section 4.

Groundwater samples were collected from these temporary wells at depths of approximately 10 and 20 feet bgs by a GeoProbe Screen Point 15 Groundwater Sampler. The assembled Screen Point 15 Groundwater Sampler was threaded onto the leading end of a GeoProbe rod and driven into the subsurface until the first desired sampling interval of 8 to 13 feet bgs was reached. After the first sample was collected, the sampler was cleaned and reset with a new expendable point, then driven to the next desired interval of 17.5 to 22.5 feet bgs where sampling was conducted in the same manner. The groundwater samples were field screened for nitrate concentrations using colorimetric test strips, and the results from the nitrate field screen were used to make field decisions about where to place subsequent borings.

In addition to the nitrate field screening tests, groundwater samples were collected from each vertical profile boring at depths of 10 and 20 feet bgs using low-flow sampling procedures. Water levels, indicator field parameters, and other information were recorded on the Groundwater Sampling Field Data Sheets in Appendix B. The groundwater samples were submitted for off-site analyses of arsenic, alkalinity, chloride, nitrate, nitrite, ammonia, phosphate, sulfate, iron, herbicides, manganese, pH, and VOCs by Lancaster Laboratories in Lancaster, Pennsylvania.

After the groundwater samples were collected, all PVC and sampling equipment were pulled. The borings were decommissioned by sealing the borehole with hydrated bentonite chips and gravel or concrete, consistent with Washington Administrative Code (WAC) 173-160.

OP-VP-007 was cleared to 8 feet bgs by air knife, but was not completed due to time constraints. Delineation on either side of the boring, however, made sampling unnecessary at this location. At several borings (OP-VP-002, OP-VP-003, OP-VP-004, OP-VP-005, and OP-VP-013), water was not sufficient for sampling at 10 feet bgs.

2.2 Monitoring Wells

One 2-inch diameter monitoring well (MW-13) was installed in May 2007 to better define the groundwater flow regime and nitrate concentrations south of the Site. The well location is shown on Figure 2-1.

The well was installed in an 8-inch diameter boring drilled by hollow-stem auger method, and set with ten-foot slotted (0.010-inch) PVC screen from 5 to 20 feet bgs. The well installation was completed with sand filter pack and hydrated bentonite seals along with a flush-mounted well box. Well construction details were recorded on the boring log, included in Appendix A.

The well was included in the June 2007 quarterly groundwater monitoring and was sampled for arsenic, alkalinity, chloride, nitrate, nitrite, ammonia, phosphate, sulfate, iron, herbicides, manganese, pH, and VOCs.

2.3 Quality Assurance/Quality Control Procedures

The following quality assurance/quality control (QA/QC) samples were collected during the Phase III RI: duplicates and equipment blanks. In addition, trip blanks were implemented as a QA/QC measure.

Duplicate samples were collected at a frequency of ten percent (two total duplicates) to evaluate the laboratory's performance by comparing the analytical results of two samples collected at the same location. Four equipment blanks were collected to evaluate for cross-contamination due to inadequate decontamination of sampling equipment. As volatiles were part of the analytical program, trip blanks were required and were analyzed for VOCs only.

QA/QC results are discussed in Section 3.3.

2.4 Investigatory Derived Waste Handling and Disposal

Soil cuttings and purge water from the installation of the vertical profile borings and monitoring well were collected in 55-gallon Department of Transportation-approved drums with proper labeling. The drums were stored on-site pending disposal. All drums were removed from the property by an approved hauler, in accordance with State of Washington and federal regulations. Purge water was solidified with the soil prior to disposal. Copies of disposal documentation are included in Appendix C.

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3.0 PHASE III RI RESULTS

Analytical laboratory reports and chains of custody are included in Appendix D. Table 3-1 summarizes all detected concentrations in each groundwater sample. For screening purposes, the data were compared to the MTCA Method B Standard Formula Values in the Cleanup Levels and Risk Calculations (CLARC) Table Version 3.1. The final cleanup levels for the Site will be described in the feasibility study required under the Agreed Order. No MTCA Method B CULs are available for chloride, iron, and sulfate; therefore, secondary MCLs are used for comparison.

3.1 Vertical Profile Boring Results

Nitrate concentrations determined by test strip and laboratory analysis are shown at each vertical profile boring location on Figure 3-1. Results from the 2Q07 sampling event are also shown to help define the nitrate plume. A nitrate isoconcentration map (developed using the Phase III data off-site and 2Q07 groundwater monitoring data on-site) is included as Figure 3-2. An ammonia isoconcentration map was also created, and is included as Figure 3-3.

The following is a summary of detected constituents that exceeded MTCA Method B CULs or secondary MCLs in groundwater samples collected from the vertical profile borings during the Phase III RI.

- Nitrate concentrations (maximum of 324 mg/l in boring OP-VP-001 at a depth of 20 feet) were detected above the MTCA Method B CUL of 1.6 mg/l in all but one sample;
- Nitrite concentrations of 6.5 mg/l and 3.1 mg/l were detected above the MTCA Method B CUL of 1.6 mg/l in samples collected from boring OP-VP-011 at depths of 10 and 20 feet, respectively;
- 1,2-Dichloropropane concentrations ranging from 0.008 mg/l to 0.11 mg/l were detected above the MTCA Method B CUL of 6.43E-04 mg/l in borings OP-VP-001, OP-VP-003, OP-VP-004, and OP-VP-011;
- A 1,2,3-Trichloropropane concentration of 0.016 mg/l was detected above the MTCA Method B CUL of 6.25E-06 mg/l in boring OP-VP-004 at a depth of 20 feet;
- A dinoseb concentration of 0.02 mg/l was detected above the MTCA Method B CUL of 0.016 mg/l in boring OP-VP-011 at a depth of 10 feet;
- Benzene concentrations of 0.2 mg/l and 0.17 mg/l were detected above the MTCA Method B CUL of 7.95E-04 mg/l in boring OP-VP-011 at depths of 10 and 20 feet, respectively;
- 1,2-Dichloroethane concentrations of 0.25 mg/l and 0.29 mg/l were detected above the MTCA Method B CUL of 4.81E-04 mg/l in boring OP-VP-011 at depths of 10 and 20 feet, respectively;
- A TPH-Gx concentration of 1.2 mg/l was detected above the MTCA Method B CUL of 0.653 mg/l in boring OP-VP-009 at a depth of 10 feet;
- A 2-methylnaphthalene concentration of 0.18 mg/l was detected above the MTCA Method B CUL of 0.16 mg/l in boring OP-VP-009 at a depth of 20 feet;
- Arsenic concentrations ranging from 0.0219 mg/l to 0.795 mg/l were detected in borings OP-VP-003, OP-VP-009, and OP-VP-011 above the MTCA Method B CUL of 5.83E-05 mg/l;

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- Sulfate concentrations ranging from 269 mg/l to 1,470 mg/l were detected in borings OP-VP-001, OP-VP-003, OP-VP-006, OP-VP-011 and OP-VP-013 above the secondary MCL of 250 mg/l.
- Chloride concentrations ranging from 470 mg/l to 565 mg/l were detected in borings OP-VP-009 and OP-VP-011 above the secondary MCL of 250 mg/l.
- Iron concentrations (maximum concentration of 35 mg/l at boring OP-VP-009 at a depth of 20 feet) were detected above the secondary MCL of 0.3 mg/l.
- Manganese concentrations of 4.4 mg/l and 3.27 mg/l were detected above the MTCA Method B CUL of 2.24 mg/l in borings OP-VP-003 and OP-VP-006, respectively; and
- A methylene chloride concentration of 0.018 mg/l was detected above the MTCA Method B CUL of 5.83E-03 mg/l in boring OP-VP-012 at a depth of 10 feet.

The following constituents were detected in at least one of the groundwater samples, but were below MTCA Method B CULs or secondary MCLs: 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene, 2,4,5-T; 2,4-D; 2-butanone, 2-methylnaphthalene, chloride, chlorobenzene; dicamba, dinoseb, isopropylbenzene, m,p-xylene, manganese, naphthalene, nitrate, nitrite, n-propylbenzene, o-xylene, and sulfate.

No MTCA Method B CULs or secondary MCLs are available for ammonia. Ammonia was detected in borings OP-VP-001, OP-VP-003, OP-VP-006, OP-VP-009, OP-VP-010, and OP-VP-011 at concentrations ranging from 0.17 mg/l (at boring OP-VP-003) to 1,050 mg/l (at boring OP-VP-011).

Alkalinity and pH do not have cleanup criteria and were analyzed for remedial design purposes. Alkalinity (to pH 4.5) ranged from 178 mg/l as $CaCO_3$ (at boring OP-VP-010) to 1,360 mg/l as $CaCO_3$ (at boring OP-VP-011), and pH ranged from 7.3 (at boring OP-VP-006) to 8.7 (at boring OP-VP-011).

3.2 Monitoring Well Results

Monitoring well MW-13 was sampled as part of the 2Q07 quarterly monitoring event and results are discussed in the *Second Quarter 2007 Groundwater Monitoring and Sampling Report*, dated August 23, 2007.

3.3 QA/QC Results

Duplicate samples (OP-VP-003, 20'-1 and OP-VP-011, 20'-1) were collected from vertical profile borings OP-VP-003 and OP-VP-011, respectively. The relative percent difference (RPD) was evaluated using Equation 1 and results are summarized in Table 3-2.

Equation 1 $$RPD = \left[\frac{|S - D|}{(S + D) \div 2}\right] \times 100$$

Where: RPD = Relative Percent Difference
S = First Sample Value (original)
D = Second Sample Value (duplicate)

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The average RPD was 11.32%, indicating acceptable precision by the analytical laboratory for each given method and analytical batch.

Thirteen trip blanks and four equipment blanks were submitted for analysis. Chloride, iron, manganese, nitrate, and sulfate were detected at low concentrations in the equipment blank collected after boring OP-VP-008, indicating additional attention may need to the paid to decontamination procedures in future events.

No constituents were detected in the trip blanks, indicating proper sampling handling.

3.4 Receptor Evaluation

Due to the Phase III RI results, the well survey conducted in 2003 was re-visited to determine if receptors have been protected. A review of reported domestic and municipal water supply wells within a 1-mile radius of the Site was completed as part of the Phase I RI. The search revealed three community wells and eight domestic wells. Two municipal wells (City of Sunnyside Well No. 5 and Well No. 8) were reported as situated within a 0.25-mile radius of the Site. Well No. 5 is screened between 388 feet and 450 feet bgs. Well No. 8 is screened between 305 feet and 375 feet bgs.

One other municipal well (Well No. 4A) was located at a distance between 0.25- and 0.5-miles from the Site. This well was drilled in 1998 after two municipal wells (Well No. 3 and Well No. 4) were abandoned due to aquifer contamination in 1998. Well No. 4A (also known as Well No. 10) is screened between 1359 feet and 1676 feet bgs.

Results of nitrate testing of Well No. 5, Well No. 8, and Well No. 4A from the Washington Department of Health are summarized in the following table.

Nitrate Data for Municipal Wells		
Well	**Date**	**Nitrate (mg/l)**
Well No. 5	2002	2.0
	2001	1.8
	2000	1.4
Well No. 8	2006	1.7
	2005	1.6
	2004	2.0
Well No. 4A (Well No. 10)	2001	<0.5
	2000	<0.5
	1998	<0.5

According to Kirk Weets with the City of Sunnyside, the nearest supply well (Well No. 5) has not operated for a few years, except maybe once or twice for emergencies. Well No. 8 pumps around 700 gallons per minute and runs year round. Well No. 4A is an emergency source only. Based on this information, it is unlikely that the plume has affected Well No. 5, or that the down-

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gradient well has significantly affected the plume migration, due to the deep screened interval and ceased operation.

3.5 BIOSCREEN Model Evaluation

As detailed in Section 1.4.4, a BIOSCREEN model was previously used to delineate the leading edge of the nitrate plume in order to determine potential locations for a sentinel well. Data from on-site wells, collected as part of the Phase II RI, were used to calibrate the model.

Results of the Phase III RI activities indicate nitrate concentrations in groundwater have migrated farther than predicted by the BIOSCREEN modeling. An analysis of the methods and input values used in the original BIOSCREEN model was conducted to assess the variation in the plume.

First, the hydraulic conductivity and its effect on plume migration was evaluated. Hydraulic conductivity values used in the original BIOSCREEN model were estimated from single well pump tests performed on select on-site wells. Hydraulic conductivities off-site could vary by an order of magnitude due to variability in the subsurface. Assuming that the off-site hydraulic conductivity is actually closer to 0.001 cm/s than 0.0001 cm/s, BIOSCREEN would predict the mass of nitrate migrating approximately 630 feet down-gradient from the source area within 50 years. Further analysis of aquifer properties would be required to determine the accuracy of hydraulic conductivity values used for BIOSCREEN modeling.

The apparent change in the flow direction of the nitrate plume from a southeasterly direction on-site to a more southerly direction off-site was also evaluated. Initial evaluation indicated the following:

- The aquifer unit that is the focus of the investigation is very shallow. Drainage patterns of stormwater and subsequent infiltration of stormwater can have very localized effects on static water level measurements in shallow groundwater monitoring wells. This has been shown to be particularly true at sites that are developed or semi-developed.
- The shallow aquifer unit may be perched. Groundwater flow directions in perched aquifers are more dependent on slopes of the underlying confining layers than hydraulic head pressures. Also, if wells penetrated through different lenses of clays, this could result in various hydraulic heads that are affected by overlying perched water.
- The lagoon (prior to closure) could have been affecting groundwater elevations in the immediate vicinity, which may result in flow directions that are localized.

Evaluation of additional data from the new groundwater monitoring well installed down-gradient of the Site (MW-13) and groundwater flow following lagoon closure will provide additional information on groundwater gradient and flow direction at and in the vicinity of the Site and additional data for further calibration/validation of the BIOSCREEN model, if deemed necessary.

The original BIOSCREEN model was rerun to validate the input parameters using the newly acquired off-site groundwater concentration data. Input parameters were adjusted to increase the groundwater flow velocity. The specifics of the BIOSCREEN model efforts are outlined in Appendix E. The validated BIOSCREEN model can be used to support the following conclusions:

- The effective groundwater flow velocity is approximately 8 to 9 feet per year, and nitrate in groundwater moves approximately 15 to 16 feet per year with dispersion;
- The leading edge of the nitrate plume is approximately 550 to 600 feet away from the on-site source location; and
- The high concentrations of nitrate observed 600 to 800 feet down-gradient of the Site likely result from a second source.

The assumption that the high concentrations of nitrate observed 600 to 800 feet down-gradient of the Site are from a second source is supported by data and several observations. Most important is the ammonia concentrations observed in groundwater (see Figure 3-3). Ammonia transport in groundwater is retarded due to cation exchange effects in the soil, so it travels less distance than nitrate. This effect is apparent for the Site data where the dissolved ammonia plume appears to have migrated no further than 200 feet. However, the ammonia concentration at sampling location OP-VP-011 (more than 700 feet from the Site) contains ammonia at concentrations that exceed 1,000 mg/l. This sudden and dramatic increase in ammonia concentration can only be attributed to a second source.

Another indicator of a second source is the significant difference in groundwater chemistry at sampling location OP-VP-011. The groundwater contains an abundance of pesticide residuals, salts, high alkalinity, and elevated arsenic that is inconsistent with the groundwater properties observed immediately up-gradient. The arsenic concentrations at OP-VP-011 are well above typical background concentrations and arsenic concentrations observed at the Site. Arsenic concentrations at the Site typically are in the range of 0.02 to 0.06 mg/l but the concentration of arsenic at OP-VP-011 is more than an order of magnitude higher (0.795 mg/l). The elevated arsenic at this location may be an organic arsenate (commonly used in the past as an herbicide) or it may be the result of strong reducing conditions created by the abundance of organic materials identified in groundwater at this location. In either case, it not representative of conditions observed at the Site or immediately down-gradient of the Site.

Finally, the nitrate plume itself suggests that a second source exists. Nitrate concentrations decrease with distance from the Site but then suddenly increase at OP-VP-011. This is strongly suggestive of a second source of nitrate and ammonia south of the Site.

The property adjacent to OP-VP-011 to the west (shown on Figure 3-2) is owned by the J.R. Simplot Company (per the Yakima County Department of Assessments website), a food and agribusiness corporation whose primary activities involve food, fertilizer, turf and horticultural, cattle feeding, and other enterprises related to agribusiness. The property located to the north of OP-VP-011 is owned by Valley Processing, Inc., a fruit juice and concentrate processor.

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4.0 PHASE III TREATABILITY STUDY

The Phase III treatability study was performed to evaluate nitrate attenuation in soils obtained from boring locations down-gradient of the Site. The results of the testing provide information that can be used to better model natural attenuation and retardation of nitrate at the Site. The bench-scale testing activities and procedures are discussed below.

4.1 Test Objectives and Rationale

The objectives of the treatability testing were to define and evaluate the following:

- Potential for attenuation of nitrates in the soil by anion exchange; and
- Site-specific soil/water partitioning coefficient for nitrate.

4.2 Experimental Design and Procedures

The bench-scale testing work plan originally called for the use of columns for evaluating the anion exchange capacity of the down-gradient soils. However, due to notably different soil characteristics in the samples collected from different locations, the work scope was modified to evaluate the anion exchange capacity (AEC) individually for each soil sample. This reduced the amount of soil sample available for each test, so the AEC testing was performed using a batch extraction procedure rather than a column extraction technique.

The capacity of soil to retain negatively charged ions (anions) is referred to as the soil AEC. The quantity of anions that a soil can accommodate is typically expressed in terms of milliequivalents per 100 grams of soil (meq/100g). Some anions sorb more strongly to soils than others and therefore replace anions already sorbed to the soil. For example, nitrate (NO_3^-) may be replaced by a divalent anion such as sulfate (SO_4^{-2}). A strong base like sodium hydroxide (NaOH) can be used to create elevated concentrations of hydroxide (OH^-) to remove all anions from the soil.

Testing was also conducted to determine the site-specific soil-water partitioning coefficient (Kd) for nitrates in the soil. The Kd is the equilibrium ratio of how the nitrate partitions itself between the sorbed and dissolved phase in a mixed soil and groundwater system. The Kd value can be calculated using the equation below:

Kd (L/kg) = sorbed concentration (mg/kg) / dissolved concentration (mg/L)

The procedures for testing of soil collected down-gradient of the Site are summarized in the following sections.

4.2.1 Anion Exchange Capacity

It was noted during previous column testing of Site soils that the soils contained significantly high concentrations of nitrate when compared to water samples collected from the same locations. This prior testing also showed that approximately 20 pore volume flushes were

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needed to remove nitrates from the soil columns. These data suggested an evaluation should be conducted to determine if nitrate attenuation should be accounted for during attenuation modeling. Nitrate is typically assumed to have a Kd of zero during modeling. However, testing by others (Clay, et al., 2004; McVay, et al., 2004) has shown that retardation of nitrates does occur on soil as a result of the soil's AEC. To further evaluate nitrate attenuation in the soil, bench-scale testing was performed using a Mehlich-like extraction with modified salt solutions to target the anionic species of interest (*A Textbook of Soil Chemical Analysis*; Hesse, 1971) according to the following procedure.

- Seven soil samples collected down-gradient of the Site were air dried over a period of 48 hours;
- Once the samples were dry, they were sieved through a Tyler 9 Mesh sieve to ensure that no gravel or debris was present in the test samples;
- 20 grams of soil from each sample were weighed and placed into 1-L glass sample jars;
- 600 ml of 1M sodium nitrate was added to each sample jar;
- The jars were placed in a tumbler at a rotational speed of 18 rpm;
- The samples were removed from the tumbler after 24 hours and filtered using a Buchner funnel and Fann filter paper;
- The filtrate from the Buchner funnel was placed in a 500-ml plastic sample jar and sent to an off-site laboratory for nitrate analysis;
- The remaining solids on the filter paper were washed three times using 20 ml of distilled water to flush any residual nitrates from pore water surrounding the soil particles;
- The washed solids were removed from the filter paper and placed into a clean 1-L glass sample jar;
- 600 ml of 1M sodium sulfate solution was added to the solids in the sample jar;
- The sample jars were placed in a tumbler rotating at 18 rpm to displace sorbed nitrate with sulfate at AEC sites;
- After 24 hours the samples were removed from the tumbler and filtered using a Buchner funnel and Fann filter paper;
- The filtrate from the Buchner funnel was placed in a 500-ml plastic sample jar and sent to an off-site laboratory for nitrate analysis; and
- The AEC for nitrate on the soils was calculated by determining how many equivalents of nitrate were desorbed from 20 grams of soil in the second extraction test, and multiplying that value by 5 to achieve the results in terms of meq/100g.

The anion exchange mechanism evaluated by this procedure is shown in Figure 4-1.

4.2.2 Soil/Water Partitioning Coefficient

The soil/water partitioning mechanism evaluated by this procedure is illustrated in Figure 4-2. This procedure was performed on two composite samples of soil collected down-gradient of the Site. A batch extraction method was also used for this test. The procedures for testing (Hesse, 1971) are described below.

- 100 grams of sieved soil were removed from each of the seven soil samples;
- The samples were combined and mixed to form a uniform composite sample;

- Two 1-L glass sample jars were each filled with 300 grams of the composite soil;
- 600 ml of 1% sodium hydroxide were added to each jar and the jars were sealed;
- The samples were placed in a tumbler at a speed of 18 rpm for 24 hours of contact mixing;
- The samples were removed from the tumbler and filtered to separate the sodium hydroxide solution from the soils;
- The remaining soil samples were flushed three times with 600 ml of de-ionized water to remove residual hydroxide from the soils;
- The flushed soil was placed into a 1-liter glass sample jar with 600 ml of a 9.2 mg/l nitrate solution and tumbled for 24 hours;
- The decant was separated from the soils and sent to an off-site laboratory for nitrate analysis; and
- The Kd value was calculated by dividing the concentration of nitrate that was transferred to the soil by the concentration of nitrate in the water-phase at the end of testing.

4.2.3 Equipment and Materials

The following lists summarize the equipment, materials, and reagents used to conduct the testing:

Equipment and Materials
Laboratory balance
70-mm aluminum weigh boats
Stainless steel spatula
800-ml Pyrex beaker
1-L glass jars
4-inch diameter Buchner funnel
Fann filter paper
Barnat Vacuum pressure pump
1/3 HP Dayton DC motor tumbler

Reagents
De-ionized water
1M sodium nitrate solution
1M sodium sulfate solution
1% sodium hydroxide solution
9.2 mg/l nitrate solution

4.3 Results and Discussion

The results of the AEC testing and determination of the site-specific soil-water partitioning coefficient are summarized below.

4.3.1 Anion Exchange Capacity Results

The results of the AEC testing are summarized in the table below.

Sample ID	Nitrate Concentration in Extract (mg/l)	Nitrate Desorbed From 20g of Soil (mg)	AEC (meq/100g)
1	0.800	0.480	0.039
2	1.100	0.660	0.053
3	1.600	0.960	0.077
4	0.100	0.060	0.005
5	0.100	0.060	0.005
6	0.100	0.060	0.005
7	0.800	0.480	0.039
Average	**0.657**	**0.394**	**0.032**

Samples with concentrations below the detection limit of 0.2 mg/l are represented at half of the detection limit. The amount of nitrate removed by the sulfate anions in the 20g soil samples ranged from less than 0.06 to 0.96 mg, with an average of 0.39 mg. The average amount of nitrate sorbed to 1 kg of soil was calculated to be 19.5 mg. Because nitrate has a minus one charge, 1 meq is equal to 62 mg of nitrate, so the average nitrate loading was (19.5/62) 0.31 meq per kg of soil. This is equal to an average AEC of 0.03 meq/100g of soil. The AECs of the samples ranged from less than 0.005 to 0.077 meq/100g.

4.3.2 Soil/Water Partitioning Coefficient Results

The results of testing from the off-site laboratory indicated concentrations of 7.5 mg/l and 6.3 mg/l remained in solution in the first and second samples, respectively. The average concentration remaining in the two samples was 6.9 mg/l. This indicated that 2.3 mg/l of nitrate from the 9.2 mg/l solution was transferred to the soil, or 1.38 milligrams of nitrate total (2.3 mg/l x 0.6 L). Dividing this mass by the actual mass of the soil in the test (0.3 kg), 4.6 mg of nitrate were sorbed per kg of soil (1.38 mg/0.3 kg). Using the formula in Section 2.2, the calculated average Kd for nitrate was 0.67 L/kg (4.6 mg/kg / 6.9 mg/l).

4.3.3 Treatability Study Recommendations

The test results showed that there is a great degree of variability in the AEC for individual soil samples across the Site. Although the average AEC was 0.03 meg/100g of soil, the actual values ranged from 0.005 to 0.077 meq/100g. These values are consistent with typical AEC values for soil. The calculated Kd for nitrate was 0.67 L/kg but this value is also likely to be quite variable across the Site as soil conditions vary. Since these values are similar to AEC values observed in literature for soil, and due to the variability in the data, the recommendation from the treatability testing is to continue modeling without the addition of special adjustments to compensate for nitrate retardation in soils.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

The following findings and conclusions can be drawn from the Phase III RI, BIOSCREEN model evaluation, and Phase III treatability study results discussed in the preceding sections of this report:

Phase III RI

- As shown by the nitrate results on Figure 3-1 and the nitrate isoconcentrations illustrated on Figure 3-2, the nitrate plume extends off-property. However, the boundaries to the east and west have been delineated to below the Federal MCL for nitrate of 10 mg/l. The nitrate plume was not fully delineated to the south because a potential second source of nitrate and ammonia was encountered off-site.
- Off-site nitrate concentrations (maximum of 324 mg/l in boring OP-VP-001 at a depth of 20 feet) were detected above the MTCA Method B CUL of 1.6 mg/l in 17 out of 19 samples;
- The Phase III RI results suggest an additional source south of the Site contributing to the nitrate plume, most likely located near OP-VP-011. As indicated in Figure 3-1, the concentrations determined at a depth of 10 feet bgs from the nitrate test strips jumped from 50 mg/l to 400 mg/l between locations OP-VP-010 and OP-VP-011, and the corresponding concentrations determined by the analytical laboratory jumped from 6.6 mg/l to 133 mg/l.
- Ammonia concentrations (which are indicative of fertilizer impacts) also indicate a potential second source. As shown in Figure 3-3, the ammonia concentration in the on-site source area is currently 952 mg/l (in the Second Quarter 2007 at MW-4). The ammonia concentration down-gradient of the on-site source area is 186 mg/l (at OP-VP-001), and ammonia was not detected at OP-VP-004. However, the ammonia concentration increases to 1,050 mg/l at location OP-VP-011, which is more than 700 feet from the on-site source.
- The possibility for an additional source down-gradient of the Site is also confirmed by the significant change in groundwater chemistry observed at OP-VP-011 for constituents that include pesticide residuals, alkalinity, salts, and most importantly the elevated arsenic concentrations.
- In addition to nitrate, several constituents (including nitrite, dinoseb, benzene, and 1,2-dichloroethane) were detected above their respective MTBA Method B CULs at only one location: OP-VP-011. This is the location most likely associated with the possible additional source.
- The property adjacent to OP-VP-011 to the west (shown on Figure 3-2) is owned by the J.R. Simplot Company (per the Yakima County Department of Assessments website), a food and agribusiness corporation whose primary activities involve food, fertilizer, turf and horticultural, cattle feeding, and other enterprises related to agribusiness. The property located to the north of OP-VP-011 is owned by Valley Processing, Inc., a fruit juice and concentrate processor.
- A TPH-Gx concentration of 1.2 mg/l was detected above the MTCA Method B CUL of 0.653 mg/l in boring OP-VP-009 at a depth of 10 feet, and a 2-methylnaphthalene

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concentration of 0.18 mg/l was detected above the MTCA Method B CUL of 0.16 mg/l in boring OP-VP-009 at a depth of 20 feet. This indicates there may have been a source of petroleum hydrocarbons in the vicinity of OP-VP-009.

BIOSCREEN Model Evaluation

- The effective groundwater flow velocity is approximately 8 to 9 feet per year, and nitrate in groundwater moves approximately 15 to 16 feet per year with dispersion;
- The leading edge of the nitrate plume is approximately 550 to 600 feet away from the on-site source location; and
- The high concentrations of nitrate observed 600 to 800 feet down-gradient of the Site likely result from a second source.

Treatability Study

Through testing it was determined that the nitrate AECs ranged from less than 0.005 to 0.077 meq/100g, with an average value of 0.03 meq/100g. This range shows that the properties of the soil differ with location, but in general the site-specific AEC is low. The average AEC value of 0.03 meq/100g and the calculated site-specific average Kd value of 0.67 L/kg compare well with other literature values and indicate that the soil does provide some retardation and attenuation for nitrate, but that this value can likely be neglected in modeling in accordance with traditional practice.

5.2 Evaluation of Objectives

The objectives of the Phase III RI were to:

- Delineate the horizontal and vertical extent of the off-property nitrate impacts down-gradient of the Bee-Jay Scales property;
- If necessary, install one or more monitoring wells at the down-gradient edge of the nitrate plume for performance monitoring; and
- Define a site-specific soil/water partitioning coefficient for nitrate to provide more accurate fate and transport modeling results.

Overall, most objectives of the Phase III RI were met. The horizontal extent of the off-property nitrate impacts has been defined, but the complete vertical extent has not due to a potential second source. One monitoring well was installed down-gradient of the Site to aid in determining groundwater flow and gradient, but it will not be able to serve as a sentinel well. A site-specific soil/water partitioning coefficient for nitrate was determined, but the values were determined to be highly variable and largely similar to typical soil values so effects from soil retardation were not included in the model calibration.

5.3 Recommendations

It is recommended based on the Phase III RI results that a revised sensitive receptor survey be conducted to ensure any additional receptors in the vicinity of the Site are identified and protected.

In addition, to fully evaluate the nitrate plume, installation of an additional vertical profile boring is proposed at an off-site location up-gradient of the potential second source. The preferred location of the boring is shown in Figure 3-2; however, the field location will be dependent upon access.

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6.0 LIMITATIONS

The conclusions and recommendations contained in this report are based upon professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following limitations:

1. The data and findings presented in this report are valid as of the dates when the investigations were performed. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.

2. The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Work. The Scope of Work was defined by the request of the client, the time and budgetary constraints imposed by the client, and availability of access to the Site.

3. Because of the limitations stated above, the findings, observations, and conclusions expressed by SECOR in this report are not, and should not be, considered an opinion concerning the compliance of any past or present owner or operator of the Site with any federal, state, or local law or regulation.

4. No warranty or guarantee, whether expressed or implied, is made with respect to the data or the reported findings, observations, and conclusions, which are based solely upon Site conditions in existence at the time of the investigations.

5. SECOR reports present professional opinions and findings of a scientific and technical nature. While attempts were made to relate the data and findings to applicable environmental laws and regulations, the report shall not be constructed to offer legal opinion or representations as to the requirements of, nor the compliance with, environmental laws, rules, regulations, or policies of federal, state, or local governmental agencies. Any use of this report constitutes acceptance of the limits of SECOR's liability. SECOR's liability extends only to its client and not to any other parties who may obtain the report. Appropriate legal counsel should review issues raised by the report.

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TABLES

Table 3-1
Comparison of Phase III RI Detected Groundwater Concentrations to MTCA Method B Cleanup Levels
Bee-Jay Scales Site, Sunnyside, Washington

Location ID	Sample ID	Date	Analyte	Analytical Results	Units	MDL	Qualifier	MTCA Method B CUL
OP-VP-001	**OP-VP-001,10-0**	**3/27/2007**	**1,2-Dichloropropane**	**0.009**	**mg/l**	**0.001**		**0.000643382**
OP-VP-001	OP-VP-001,10-0	3/27/2007	2,4-D	0.015	mg/l	0.0016		0.16
OP-VP-001	OP-VP-001,10-0	3/27/2007	Alkalinity to pH 4.5	843	mg/l as CaCO3	0.46		0
OP-VP-001	OP-VP-001,10-0	3/27/2007	Ammonia-Nitrogen	40.1	mg/l	0.3		0
OP-VP-001	OP-VP-001,10-0	3/27/2007	Chloride	74.7	mg/l	10		250
OP-VP-001	**OP-VP-001,10-0**	**3/27/2007**	**Iron**	**4.38**	**mg/l**	**0.0522**		**0.3**
OP-VP-001	OP-VP-001,10-0	3/27/2007	Manganese	0.202	mg/l	0.00036		2.24
OP-VP-001	**OP-VP-001,10-0**	**3/27/2007**	**Nitrate Nitrogen**	**27**	**mg/l**	**0.4**		**1.6**
OP-VP-001	OP-VP-001,10-0	3/27/2007	pH	7.6	Std. Units	0.01		0
OP-VP-001	OP-VP-001,10-0	3/27/2007	Sulfate (turbidimetric)	112	mg/l	25		250
OP-VP-001	**OP-VP-001,20-0**	**3/27/2007**	**1,2-Dichloropropane**	**0.027**	**mg/l**	**0.001**		**0.000643382**
OP-VP-001	OP-VP-001,20-0	3/27/2007	2,4-D	0.00079	mg/l	0.00016		0.16
OP-VP-001	OP-VP-001,20-0	3/27/2007	Alkalinity to pH 4.5	342	mg/l as CaCO3	0.46		0
OP-VP-001	OP-VP-001,20-0	3/27/2007	Ammonia-Nitrogen	186	mg/l	0.6		0
OP-VP-001	OP-VP-001,20-0	3/27/2007	Chloride	113	mg/l	10		250
OP-VP-001	OP-VP-001,20-0	3/27/2007	Dinoseb	0.007	mg/l	0.00099		0.016
OP-VP-001	**OP-VP-001,20-0**	**3/27/2007**	**Iron**	**11.1**	**mg/l**	**0.0522**		**0.3**
OP-VP-001	OP-VP-001,20-0	3/27/2007	Manganese	0.546	mg/l	0.00036		2.24
OP-VP-001	**OP-VP-001,20-0**	**3/27/2007**	**Nitrate Nitrogen**	**324**	**mg/l**	**4**		**1.6**
OP-VP-001	OP-VP-001,20-0	3/27/2007	pH	7.5	Std. Units	0.01		0
OP-VP-001	**OP-VP-001,20-0**	**3/27/2007**	**Sulfate (turbidimetric)**	**336**	**mg/l**	**50**		**250**
OP-VP-002	OP-VP-002,20'-0	3/27/2007	Alkalinity to pH 4.5	215	mg/l as CaCO3	0.46		0
OP-VP-002	OP-VP-002,20'-0	3/27/2007	Chloride	11.6	mg/l	1		250
OP-VP-002	**OP-VP-002,20'-0**	**3/27/2007**	**Iron**	**7**	**mg/l**	**0.0522**		**0.3**
OP-VP-002	OP-VP-002,20'-0	3/27/2007	Manganese	0.332	mg/l	0.00036		2.24
OP-VP-002	**OP-VP-002,20'-0**	**3/27/2007**	**Nitrate Nitrogen**	**3.6**	**mg/l**	**0.04**		**1.6**
OP-VP-002	OP-VP-002,20'-0	3/27/2007	pH	8	Std. Units	0.01		0
OP-VP-003	**OP-VP-003,20'-0**	**3/28/2007**	**1,2-Dichloropropane**	**0.008**	**mg/l**	**0.001**		**0.000643382**
OP-VP-003	OP-VP-003,20'-0	3/28/2007	2-Butanone	0.069	mg/l	0.003		4.8
OP-VP-003	OP-VP-003,20'-0	3/28/2007	Alkalinity to pH 4.5	1140	mg/l as CaCO3	0.46		0
OP-VP-003	OP-VP-003,20'-0	3/28/2007	Ammonia-Nitrogen	0.17	mg/l	0.03		0
OP-VP-003	**OP-VP-003,20'-0**	**3/28/2007**	**Arsenic**	**0.0219**	**mg/l**	**0.01**		**5.83333E-05**
OP-VP-003	OP-VP-003,20'-0	3/28/2007	Chloride	100	mg/l	10		250
OP-VP-003	**OP-VP-003,20'-0**	**3/28/2007**	**Iron**	**11.9**	**mg/l**	**0.0522**		**0.3**
OP-VP-003	**OP-VP-003,20'-0**	**3/28/2007**	**Manganese**	**4.4**	**mg/l**	**0.00036**		**2.24**
OP-VP-003	**OP-VP-003,20'-0**	**3/28/2007**	**Nitrate Nitrogen**	**223**	**mg/l**	**4**		**1.6**
OP-VP-003	OP-VP-003,20'-0	3/28/2007	pH	7.5	Std. Units	0.01		0
OP-VP-003	**OP-VP-003,20'-0**	**3/28/2007**	**Sulfate (turbidimetric)**	**1470**	**mg/l**	**500**		**250**
OP-VP-004	**OP-VP-004,20'-0**	**3/28/2007**	**1,2,3-Trichloropropane**	**0.016**	**mg/l**	**0.001**		**0.00000625**
OP-VP-004	**OP-VP-004,20'-0**	**3/28/2007**	**1,2-Dichloropropane**	**0.11**	**mg/l**	**0.001**		**0.000643382**
OP-VP-004	OP-VP-004,20'-0	3/28/2007	Alkalinity to pH 4.5	214	mg/l as CaCO3	0.46		0
OP-VP-004	OP-VP-004,20'-0	3/28/2007	Chloride	49.8	mg/l	4		250
OP-VP-004	OP-VP-004,20'-0	3/28/2007	Dinoseb	0.0011	mg/l	0.0001		0.016
OP-VP-004	**OP-VP-004,20'-0**	**3/28/2007**	**Iron**	**13.1**	**mg/l**	**0.0522**		**0.3**
OP-VP-004	OP-VP-004,20'-0	3/28/2007	Manganese	0.517	mg/l	0.00036		2.24
OP-VP-004	**OP-VP-004,20'-0**	**3/28/2007**	**Nitrate Nitrogen**	**111**	**mg/l**	**4**		**1.6**
OP-VP-004	OP-VP-004,20'-0	3/28/2007	Nitrite Nitrogen	0.5	mg/l	0.015		1.6
OP-VP-004	OP-VP-004,20'-0	3/28/2007	pH	7.7	Std. Units	0.01		0
OP-VP-004	OP-VP-004,20'-0	3/28/2007	Sulfate (turbidimetric)	111	mg/l	25		250
OP-VP-005	OP-VP-005,20'-0	3/28/2007	Alkalinity to pH 4.5	226	mg/l as CaCO3	0.46		0
OP-VP-005	OP-VP-005,20'-0	3/28/2007	Chloride	11	mg/l	1		250
OP-VP-005	**OP-VP-005,20'-0**	**3/28/2007**	**Iron**	**10.8**	**mg/l**	**0.0522**		**0.3**
OP-VP-005	OP-VP-005,20'-0	3/28/2007	Manganese	1.45	mg/l	0.00036		2.24
OP-VP-005	**OP-VP-005,20'-0**	**3/28/2007**	**Nitrate Nitrogen**	**3.1**	**mg/l**	**0.04**		**1.6**
OP-VP-005	OP-VP-005,20'-0	3/28/2007	pH	7.4	Std. Units	0.01		0

Table 3-1
Comparison of Phase III RI Detected Groundwater Concentrations to MTCA Method B Cleanup Levels
Bee-Jay Scales Site, Sunnyside, Washington

Location ID	Sample ID	Date	Analyte	Analytical Results	Units	MDL	Qualifier	MTCA Method B CUL
OP-VP-006	OP-VP-006,10'-0	3/28/2007	Alkalinity to pH 4.5	515	mg/l as CaCO3	0.46		0
OP-VP-006	OP-VP-006,10'-0	3/28/2007	Chloride	62.3	mg/l	10		250
OP-VP-006	**OP-VP-006,10'-0**	**3/28/2007**	**Iron**	**15.5**	**mg/l**	**0.0522**		**0.3**
OP-VP-006	**OP-VP-006,10'-0**	**3/28/2007**	**Manganese**	**3.27**	**mg/l**	**0.00036**		**2.24**
OP-VP-006	**OP-VP-006,10'-0**	**3/28/2007**	**Nitrate Nitrogen**	**233**	**mg/l**	**4**		**1.6**
OP-VP-006	OP-VP-006,10'-0	3/28/2007	pH	7.4	Std. Units	0.01		0
OP-VP-006	**OP-VP-006,10'-0**	**3/28/2007**	**Sulfate (turbidimetric)**	**269**	**mg/l**	**25**		**250**
OP-VP-006	OP-VP-006,20'-0	3/28/2007	Alkalinity to pH 4.5	463	mg/l as CaCO3	0.46		0
OP-VP-006	OP-VP-006,20'-0	3/28/2007	Ammonia-Nitrogen	121	mg/l	0.6		0
OP-VP-006	OP-VP-006,20'-0	3/28/2007	Chloride	70.6	mg/l	4		250
OP-VP-006	**OP-VP-006,20'-0**	**3/28/2007**	**Iron**	**7.64**	**mg/l**	**0.0522**		**0.3**
OP-VP-006	OP-VP-006,20'-0	3/28/2007	Manganese	1.25	mg/l	0.00036		2.24
OP-VP-006	**OP-VP-006,20'-0**	**3/28/2007**	**Nitrate Nitrogen**	**2.9**	**mg/l**	**0.04**		**1.6**
OP-VP-006	OP-VP-006,20'-0	3/28/2007	Nitrite Nitrogen	0.63	mg/l	0.015		1.6
OP-VP-006	OP-VP-006,20'-0	3/28/2007	pH	7.3	Std. Units	0.01		0
OP-VP-006	**OP-VP-006,20'-0**	**3/28/2007**	**Sulfate (turbidimetric)**	**474**	**mg/l**	**50**		**250**
OP-VP-008	OP-VP-008,10'-0	3/29/2007	Alkalinity to pH 4.5	691	mg/l as CaCO3	0.46		0
OP-VP-008	OP-VP-008,10'-0	3/29/2007	Chloride	26.5	mg/l	4		250
OP-VP-008	**OP-VP-008,10'-0**	**3/29/2007**	**Iron**	**4.16**	**mg/l**	**0.0522**		**0.3**
OP-VP-008	OP-VP-008,10'-0	3/29/2007	Manganese	0.38	mg/l	0.00036		2.24
OP-VP-008	**OP-VP-008,10'-0**	**3/29/2007**	**Nitrate Nitrogen**	**5.2**	**mg/l**	**0.08**		**1.6**
OP-VP-008	OP-VP-008,10'-0	3/29/2007	pH	7.5	Std. Units	0.01		0
OP-VP-008	OP-VP-008,10'-0	3/29/2007	Sulfate (turbidimetric)	43.5	mg/l	5		250
OP-VP-008	OP-VP-008,20'-0	3/29/2007	Alkalinity to pH 4.5	626	mg/l as CaCO3	0.46		0
OP-VP-008	OP-VP-008,20'-0	3/29/2007	Chloride	22.3	mg/l	4		250
OP-VP-008	**OP-VP-008,20'-0**	**3/29/2007**	**Iron**	**7.71**	**mg/l**	**0.0522**		**0.3**
OP-VP-008	OP-VP-008,20'-0	3/29/2007	Manganese	0.386	mg/l	0.00036		2.24
OP-VP-008	OP-VP-008,20'-0	3/29/2007	Nitrate Nitrogen	0.83	mg/l	0.04		1.6
OP-VP-008	OP-VP-008,20'-0	3/29/2007	pH	7.5	Std. Units	0.01		0
OP-VP-009	OP-VP-009,10'-0	3/29/2007	1,2,4-Trimethylbenzene	0.069	mg/l	0.001		0.4
OP-VP-009	OP-VP-009,10'-0	3/29/2007	1,3,5-Trimethylbenzene	0.013	mg/l	0.001		0.4
OP-VP-009	OP-VP-009,10'-0	3/29/2007	2-Methylnaphthalene	0.12	mg/l	0.002		0.16
OP-VP-009	OP-VP-009,10'-0	3/29/2007	m+p-Xylene	0.006	mg/l	0.0008		16
OP-VP-009	OP-VP-009,10'-0	3/29/2007	Naphthalene	0.012	mg/l	0.001		0.16
OP-VP-009	OP-VP-009,10'-0	3/29/2007	o-Xylene	0.016	mg/l	0.0008		16
OP-VP-009	**OP-VP-009,10'-0**	**3/29/2007**	**TPH by NWTPH-Gx waters**	**1.2**	**mg/l**	**0.05**		**0.653**
OP-VP-009	OP-VP-009,20'-0	3/29/2007	1,2,4-Trimethylbenzene	0.089	mg/l	0.001		0.4
OP-VP-009	**OP-VP-009,20'-0**	**3/29/2007**	**2-Methylnaphthalene**	**0.18**	**mg/l**	**0.002**		**0.16**
OP-VP-009	OP-VP-009,20'-0	3/29/2007	Alkalinity to pH 4.5	382	mg/l as CaCO3	0.46		0
OP-VP-009	OP-VP-009,20'-0	3/29/2007	Ammonia-Nitrogen	0.18	mg/l	0.03		0
OP-VP-009	**OP-VP-009,20'-0**	**3/29/2007**	**Arsenic**	**0.137**	**mg/l**	**0.01**		**5.83333E-05**
OP-VP-009	**OP-VP-009,20'-0**	**3/29/2007**	**Chloride**	**565**	**mg/l**	**40**		**250**
OP-VP-009	**OP-VP-009,20'-0**	**3/29/2007**	**Iron**	**35**	**mg/l**	**0.0522**		**0.3**
OP-VP-009	OP-VP-009,20'-0	3/29/2007	Isopropylbenzene	0.005	mg/l	0.001		1.6
OP-VP-009	OP-VP-009,20'-0	3/29/2007	m+p-Xylene	0.007	mg/l	0.0008		16
OP-VP-009	OP-VP-009,20'-0	3/29/2007	Manganese	2.14	mg/l	0.00036		2.24
OP-VP-009	OP-VP-009,20'-0	3/29/2007	Naphthalene	0.016	mg/l	0.001		0.16
OP-VP-009	**OP-VP-009,20'-0**	**3/29/2007**	**Nitrate Nitrogen**	**1.8**	**mg/l**	**0.04**		**1.6**
OP-VP-009	OP-VP-009,20'-0	3/29/2007	n-Propylbenzene	0.006	mg/l	0.001		0
OP-VP-009	OP-VP-009,20'-0	3/29/2007	o-Xylene	0.02	mg/l	0.0008		16
OP-VP-009	OP-VP-009,20'-0	3/29/2007	pH	7.4	Std. Units	0.01		0
OP-VP-010	OP-VP-010,10-0	5/22/2007	Alkalinity to pH 4.5	512	mg/l as CaCO3	0.46		0
OP-VP-010	OP-VP-010,10-0	5/22/2007	Chloride	92.9	mg/l	20		250
OP-VP-010	OP-VP-010,10-0	5/22/2007	Manganese	0.142	mg/l	0.00084		2.24
OP-VP-010	**OP-VP-010,10-0**	**5/22/2007**	**Nitrate Nitrogen**	**6.6**	**mg/l**	**0.2**		**1.6**
OP-VP-010	OP-VP-010,10-0	5/22/2007	Nitrite Nitrogen	0.13	mg/l	0.015		1.6
OP-VP-010	OP-VP-010,10-0	5/22/2007	pH	7.6	Std. Units	0.01		0
OP-VP-010	OP-VP-010,10-0	5/22/2007	Sulfate (turbidimetric)	202	mg/l	25		250

Table 3-1
Comparison of Phase III RI Detected Groundwater Concentrations to MTCA Method B Cleanup Levels
Bee-Jay Scales Site, Sunnyside, Washington

Location ID	Sample ID	Date	Analyte	Analytical Results	Units	MDL	Qualifier	MTCA Method B CUL
OP-VP-010	OP-VP-010,20-0	5/22/2007	Alkalinity to pH 4.5	178	mg/l as CaCO3	0.46		0
OP-VP-010	OP-VP-010,20-0	5/22/2007	Ammonia-Nitrogen	20.6	mg/l	0.06		0
OP-VP-010	OP-VP-010,20-0	5/22/2007	Chloride	206	mg/l	20		250
OP-VP-010	**OP-VP-010,20-0**	**5/22/2007**	**Iron**	**2.02**	**mg/l**	**0.0522**		**0.3**
OP-VP-010	OP-VP-010,20-0	5/22/2007	Manganese	0.285	mg/l	0.00084		2.24
OP-VP-010	**OP-VP-010,20-0**	**5/22/2007**	**Nitrate Nitrogen**	**2.7**	**mg/l**	**0.04**		**1.6**
OP-VP-010	OP-VP-010,20-0	5/22/2007	pH	7.9	Std. Units	0.01		0
OP-VP-010	OP-VP-010,20-0	5/22/2007	Sulfate (turbidimetric)	95.9	mg/l	25		250
OP-VP-011	OP-VP-011,10-0	5/23/2007	1,2,4-Trimethylbenzene	0.025	mg/l	0.001		0.4
OP-VP-011	**OP-VP-011,10-0**	**5/23/2007**	**1,2-Dichloroethane**	**0.25**	**mg/l**	**0.001**		**0.000480769**
OP-VP-011	**OP-VP-011,10-0**	**5/23/2007**	**1,2-Dichloropropane**	**0.013**	**mg/l**	**0.001**		**0.000643382**
OP-VP-011	OP-VP-011,10-0	5/23/2007	1,3,5-Trimethylbenzene	0.009	mg/l	0.001		0.4
OP-VP-011	OP-VP-011,10-0	5/23/2007	2,4,5-T	0.00089	mg/l	0.00013		160
OP-VP-011	OP-VP-011,10-0	5/23/2007	2,4-D	0.04	mg/l	0.0016		0.16
OP-VP-011	OP-VP-011,10-0	5/23/2007	Alkalinity to pH 4.5	1360	mg/l as CaCO3	0.46		0
OP-VP-011	OP-VP-011,10-0	5/23/2007	Alkalinity to pH 8.3	56.4	mg/l as CaCO3	0.46		0
OP-VP-011	OP-VP-011,10-0	5/23/2007	Ammonia-Nitrogen	1050	mg/l	30		0
OP-VP-011	**OP-VP-011,10-0**	**5/23/2007**	**Arsenic**	**0.795**	**mg/l**	**0.01**		**5.83333E-05**
OP-VP-011	**OP-VP-011,10-0**	**5/23/2007**	**Benzene**	**0.2**	**mg/l**	**0.0005**		**0.000795455**
OP-VP-011	**OP-VP-011,10-0**	**5/23/2007**	**Chloride**	**470**	**mg/l**	**20**		**250**
OP-VP-011	OP-VP-011,10-0	5/23/2007	Chlorobenzene	0.016	mg/l	0.0008		0.16
OP-VP-011	OP-VP-011,10-0	5/23/2007	Dicamba	0.0083	mg/l	0.0006		0.48
OP-VP-011	**OP-VP-011,10-0**	**5/23/2007**	**Dinoseb**	**0.02**	**mg/l**	**0.001**		**0.016**
OP-VP-011	**OP-VP-011,10-0**	**5/23/2007**	**Iron**	**2.6**	**mg/l**	**0.0522**		**0.3**
OP-VP-011	OP-VP-011,10-0	5/23/2007	m+p-Xylene	0.065	mg/l	0.0008		16
OP-VP-011	OP-VP-011,10-0	5/23/2007	Manganese	0.156	mg/l	0.00084		2.24
OP-VP-011	OP-VP-011,10-0	5/23/2007	Naphthalene	0.014	mg/l	0.001		0.16
OP-VP-011	**OP-VP-011,10-0**	**5/23/2007**	**Nitrate Nitrogen**	**133**	**mg/l**	**2**		**1.6**
OP-VP-011	**OP-VP-011,10-0**	**5/23/2007**	**Nitrite Nitrogen**	**6.5**	**mg/l**	**0.15**		**1.6**
OP-VP-011	OP-VP-011,10-0	5/23/2007	o-Xylene	0.03	mg/l	0.0008		16
OP-VP-011	OP-VP-011,10-0	5/23/2007	pH	8.7	Std. Units	0.01		0
OP-VP-011	**OP-VP-011,10-0**	**5/23/2007**	**Sulfate (turbidimetric)**	**1370**	**mg/l**	**125**		**250**
OP-VP-011	**OP-VP-011,20-0**	**5/23/2007**	**1,2-Dichloroethane**	**0.29**	**mg/l**	**0.001**		**0.000480769**
OP-VP-011	**OP-VP-011,20-0**	**5/23/2007**	**1,2-Dichloropropane**	**0.012**	**mg/l**	**0.001**		**0.000643382**
OP-VP-011	OP-VP-011,20-0	5/23/2007	2,4,5-T	0.00075	mg/l	0.00015		160
OP-VP-011	OP-VP-011,20-0	5/23/2007	2,4-D	0.051	mg/l	0.0016		0.16
OP-VP-011	OP-VP-011,20-0	5/23/2007	Alkalinity to pH 4.5	753	mg/l as CaCO3	0.46		0
OP-VP-011	OP-VP-011,20-0	5/23/2007	Ammonia-Nitrogen	302	mg/l	0.6		0
OP-VP-011	**OP-VP-011,20-0**	**5/23/2007**	**Benzene**	**0.17**	**mg/l**	**0.0005**		**0.000795455**
OP-VP-011	**OP-VP-011,20-0**	**5/23/2007**	**Chloride**	**559**	**mg/l**	**20**		**250**
OP-VP-011	OP-VP-011,20-0	5/23/2007	Dicamba	0.015	mg/l	0.0015		0.48
OP-VP-011	OP-VP-011,20-0	5/23/2007	Dinoseb	0.0066	mg/l	0.00098		0.016
OP-VP-011	**OP-VP-011,20-0**	**5/23/2007**	**Iron**	**2.07**	**mg/l**	**0.0522**		**0.3**
OP-VP-011	OP-VP-011,20-0	5/23/2007	Manganese	0.163	mg/l	0.00084		2.24
OP-VP-011	**OP-VP-011,20-0**	**5/23/2007**	**Nitrate Nitrogen**	**69.2**	**mg/l**	**2**		**1.6**
OP-VP-011	**OP-VP-011,20-0**	**5/23/2007**	**Nitrite Nitrogen**	**3.1**	**mg/l**	**0.15**		**1.6**
OP-VP-011	OP-VP-011,20-0	5/23/2007	pH	8.3	Std. Units	0.01		0
OP-VP-011	**OP-VP-011,20-0**	**5/23/2007**	**Sulfate (turbidimetric)**	**1100**	**mg/l**	**125**		**250**
OP-VP-012	OP-VP-012,10-0	5/23/2007	Alkalinity to pH 4.5	502	mg/l as CaCO3	0.46		0
OP-VP-012	OP-VP-012,10-0	5/23/2007	Chloride	174	mg/l	10		250
OP-VP-012	**OP-VP-012,10-0**	**5/23/2007**	**Iron**	**10.2**	**mg/l**	**0.0522**		**0.3**
OP-VP-012	OP-VP-012,10-0	5/23/2007	Manganese	2.08	mg/l	0.00084		2.24
OP-VP-012	**OP-VP-012,10-0**	**5/23/2007**	**Methylene Chloride**	**0.018**	**mg/l**	**0.002**		**0.005833333**
OP-VP-012	**OP-VP-012,10-0**	**5/23/2007**	**Nitrate Nitrogen**	**49**	**mg/l**	**2**		**1.6**
OP-VP-012	OP-VP-012,10-0	5/23/2007	Nitrite Nitrogen	0.13	mg/l	0.015		1.6
OP-VP-012	OP-VP-012,10-0	5/23/2007	pH	7.3	Std. Units	0.01		0

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Bee-Jay Scales Site, Sunnyside, Washington

Location ID	Sample ID	Date	Analyte	Analytical Results	Units	MDL	Qualifier	MTCA Method B CUL
OP-VP-012	OP-VP-012,20-0	5/23/2007	Alkalinity to pH 4.5	422	mg/l as CaCO3	0.46		0
OP-VP-012	OP-VP-012,20-0	5/23/2007	Chloride	150	mg/l	10		250
OP-VP-012	**OP-VP-012,20-0**	**5/23/2007**	**Iron**	**8.12**	**mg/l**	**0.0522**		**0.3**
OP-VP-012	OP-VP-012,20-0	5/23/2007	Manganese	0.573	mg/l	0.00084		2.24
OP-VP-012	**OP-VP-012,20-0**	**5/23/2007**	**Nitrate Nitrogen**	**6.3**	**mg/l**	**0.08**		**1.6**
OP-VP-012	OP-VP-012,20-0	5/23/2007	pH	7.8	Std. Units	0.01		0
OP-VP-012	OP-VP-012,20-0	5/23/2007	Sulfate (turbidimetric)	234	mg/l	50		250
OP-VP-013	OP-VP-013,20-0	5/23/2007	Alkalinity to pH 4.5	840	mg/l as CaCO3	0.46		0
OP-VP-013	OP-VP-013,20-0	5/23/2007	Chloride	206	mg/l	10		250
OP-VP-013	OP-VP-013,20-0	5/23/2007	Dicamba	0.0098	mg/l	0.0012		0.48
OP-VP-013	**OP-VP-013,20-0**	**5/23/2007**	**Iron**	**9.59**	**mg/l**	**0.0522**		**0.3**
OP-VP-013	OP-VP-013,20-0	5/23/2007	Manganese	1.07	mg/l	0.00084		2.24
OP-VP-013	**OP-VP-013,20-0**	**5/23/2007**	**Nitrate Nitrogen**	**27.4**	**mg/l**	**2**		**1.6**
OP-VP-013	OP-VP-013,20-0	5/23/2007	Nitrite Nitrogen	0.063	mg/l	0.015		1.6
OP-VP-013	OP-VP-013,20-0	5/23/2007	pH	7.4	Std. Units	0.01		0
OP-VP-013	**OP-VP-013,20-0**	**5/23/2007**	**Sulfate (turbidimetric)**	**606**	**mg/l**	**125**		**250**

*Exceedances of the Model Toxics Control Act (MTCA) Method B Cleanup Levels (CULs) are in **bold**.

Table 3-2
Summary of Phase III RI Duplicate Relative Percent Difference
Bee-Jay Scales Site, Sunnyside, Washington

Sample ID	Analyte	Less than MDL	Analytical Results	Units	RPD
OP-VP-003,20'-0	1,1,1,2-Tetrachloroethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,1,1,2-Tetrachloroethane	<	0.005	mg/l	
OP-VP-011,20-0	1,1,1,2-Tetrachloroethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,1,1,2-Tetrachloroethane	<	0.005	mg/l	
OP-VP-003,20'-0	1,1,1-Trichloroethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,1,1-Trichloroethane	<	0.005	mg/l	
OP-VP-011,20-0	1,1,1-Trichloroethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,1,1-Trichloroethane	<	0.005	mg/l	
OP-VP-003,20'-0	1,1,2,2-Tetrachloroethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,1,2,2-Tetrachloroethane	<	0.005	mg/l	
OP-VP-011,20-0	1,1,2,2-Tetrachloroethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,1,2,2-Tetrachloroethane	<	0.005	mg/l	
OP-VP-003,20'-0	1,1,2-Trichloroethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,1,2-Trichloroethane	<	0.005	mg/l	
OP-VP-011,20-0	1,1,2-Trichloroethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,1,2-Trichloroethane	<	0.005	mg/l	
OP-VP-003,20'-0	1,1-Dichloroethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,1-Dichloroethane	<	0.005	mg/l	
OP-VP-011,20-0	1,1-Dichloroethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,1-Dichloroethane	<	0.005	mg/l	
OP-VP-003,20'-0	1,1-Dichloroethene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,1-Dichloroethene	<	0.005	mg/l	
OP-VP-011,20-0	1,1-Dichloroethene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,1-Dichloroethene	<	0.005	mg/l	
OP-VP-003,20'-0	1,2,3-Trichlorobenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,2,3-Trichlorobenzene	<	0.005	mg/l	
OP-VP-011,20-0	1,2,3-Trichlorobenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,2,3-Trichlorobenzene	<	0.005	mg/l	
OP-VP-003,20'-0	1,2,3-Trichloropropane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,2,3-Trichloropropane	<	0.005	mg/l	
OP-VP-011,20-0	1,2,3-Trichloropropane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,2,3-Trichloropropane	<	0.005	mg/l	
OP-VP-003,20'-0	1,2,4-Trichlorobenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,2,4-Trichlorobenzene	<	0.005	mg/l	
OP-VP-011,20-0	1,2,4-Trichlorobenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,2,4-Trichlorobenzene	<	0.005	mg/l	
OP-VP-003,20'-0	1,2,4-Trimethylbenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,2,4-Trimethylbenzene	<	0.005	mg/l	
OP-VP-011,20-0	1,2,4-Trimethylbenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,2,4-Trimethylbenzene	<	0.005	mg/l	
OP-VP-003,20'-0	1,2-Dibromo-3-chloropropane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,2-Dibromo-3-chloropropane	<	0.005	mg/l	
OP-VP-011,20-0	1,2-Dibromo-3-chloropropane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,2-Dibromo-3-chloropropane	<	0.005	mg/l	
OP-VP-003,20'-0	1,2-Dibromoethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,2-Dibromoethane	<	0.005	mg/l	
OP-VP-011,20-0	1,2-Dibromoethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,2-Dibromoethane	<	0.005	mg/l	
OP-VP-003,20'-0	1,2-Dichlorobenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,2-Dichlorobenzene	<	0.005	mg/l	
OP-VP-011,20-0	1,2-Dichlorobenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,2-Dichlorobenzene	<	0.005	mg/l	

Table 3-2
Summary of Phase III RI Duplicate Relative Percent Difference
Bee-Jay Scales Site, Sunnyside, Washington

Sample ID	Analyte	Less than MDL	Analytical Results	Units	RPD
OP-VP-003,20'-0	1,2-Dichloroethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,2-Dichloroethane	<	0.005	mg/l	
OP-VP-011,20-0	1,2-Dichloroethane		0.29	mg/l	3.51%
OP-VP-011,20-1	1,2-Dichloroethane		0.28	mg/l	
OP-VP-003,20'-0	1,2-Dichloropropane		0.008	mg/l	13.33%
OP-VP-003,20'-1	1,2-Dichloropropane		0.007	mg/l	
OP-VP-011,20-0	1,2-Dichloropropane		0.012	mg/l	0.00%
OP-VP-011,20-1	1,2-Dichloropropane		0.012	mg/l	
OP-VP-003,20'-0	1,3,5-Trimethylbenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,3,5-Trimethylbenzene	<	0.005	mg/l	
OP-VP-011,20-0	1,3,5-Trimethylbenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,3,5-Trimethylbenzene	<	0.005	mg/l	
OP-VP-003,20'-0	1,3-Dichlorobenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,3-Dichlorobenzene	<	0.005	mg/l	
OP-VP-011,20-0	1,3-Dichlorobenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,3-Dichlorobenzene	<	0.005	mg/l	
OP-VP-003,20'-0	1,4-Dichlorobenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	1,4-Dichlorobenzene	<	0.005	mg/l	
OP-VP-011,20-0	1,4-Dichlorobenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	1,4-Dichlorobenzene	<	0.005	mg/l	
OP-VP-003,20'-0	2,4,5-T	<	0.000053	mg/l	3.85%
OP-VP-003,20'-1	2,4,5-T	<	0.000051	mg/l	
OP-VP-011,20-0	2,4,5-T		0.00075	mg/l	47.93%
OP-VP-011,20-1	2,4,5-T		0.00046	mg/l	
OP-VP-003,20'-0	2,4,5-TP	<	0.000053	mg/l	3.85%
OP-VP-003,20'-1	2,4,5-TP	<	0.000051	mg/l	
OP-VP-011,20-0	2,4,5-TP	<	0.00049	mg/l	164.31%
OP-VP-011,20-1	2,4,5-TP	<	0.000048	mg/l	
OP-VP-003,20'-0	2,4-D	<	0.00053	mg/l	3.85%
OP-VP-003,20'-1	2,4-D	<	0.00051	mg/l	
OP-VP-011,20-0	2,4-D		0.051	mg/l	16.22%
OP-VP-011,20-1	2,4-D		0.06	mg/l	
OP-VP-003,20'-0	2,4-DB	<	0.0011	mg/l	9.52%
OP-VP-003,20'-1	2,4-DB	<	0.001	mg/l	
OP-VP-011,20-0	2,4-DB	<	0.0098	mg/l	132.20%
OP-VP-011,20-1	2,4-DB		0.002	mg/l	
OP-VP-003,20'-0	2,4-DP (Dichlorprop)	<	0.00053	mg/l	3.85%
OP-VP-003,20'-1	2,4-DP (Dichlorprop)	<	0.00051	mg/l	
OP-VP-011,20-0	2,4-DP (Dichlorprop)	<	0.0049	mg/l	164.31%
OP-VP-011,20-1	2,4-DP (Dichlorprop)	<	0.00048	mg/l	
OP-VP-003,20'-0	2-Butanone		0.069	mg/l	78.79%
OP-VP-003,20'-1	2-Butanone		0.03	mg/l	
OP-VP-011,20-0	2-Butanone	<	0.01	mg/l	0.00%
OP-VP-011,20-1	2-Butanone	<	0.01	mg/l	
OP-VP-003,20'-0	2-Hexanone	<	0.01	mg/l	0.00%
OP-VP-003,20'-1	2-Hexanone	<	0.01	mg/l	
OP-VP-011,20-0	2-Hexanone	<	0.01	mg/l	0.00%
OP-VP-011,20-1	2-Hexanone	<	0.01	mg/l	
OP-VP-003,20'-0	2-Methylnaphthalene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	2-Methylnaphthalene	<	0.005	mg/l	
OP-VP-011,20-0	2-Methylnaphthalene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	2-Methylnaphthalene	<	0.005	mg/l	

Table 3-2
Summary of Phase III RI Duplicate Relative Percent Difference
Bee-Jay Scales Site, Sunnyside, Washington

Sample ID	Analyte	Less than MDL	Analytical Results	Units	RPD
OP-VP-003,20'-0	4-Methyl-2-pentanone	<	0.01	mg/l	0.00%
OP-VP-003,20'-1	4-Methyl-2-pentanone	<	0.01	mg/l	
OP-VP-011,20-0	4-Methyl-2-pentanone	<	0.01	mg/l	0.00%
OP-VP-011,20-1	4-Methyl-2-pentanone	<	0.01	mg/l	
OP-VP-003,20'-0	Acetone	<	0.02	mg/l	0.00%
OP-VP-003,20'-1	Acetone	<	0.02	mg/l	
OP-VP-011,20-0	Acetone	<	0.02	mg/l	0.00%
OP-VP-011,20-1	Acetone	<	0.02	mg/l	
OP-VP-003,20'-0	Acrylonitrile	<	0.02	mg/l	0.00%
OP-VP-003,20'-1	Acrylonitrile	<	0.02	mg/l	
OP-VP-011,20-0	Acrylonitrile	<	0.02	mg/l	0.00%
OP-VP-011,20-1	Acrylonitrile	<	0.02	mg/l	
OP-VP-003,20'-0	Alkalinity to pH 4.5		1140	mg/l as CaCO3	85.54%
OP-VP-003,20'-1	Alkalinity to pH 4.5		457	mg/l as CaCO3	
OP-VP-011,20-0	Alkalinity to pH 4.5		753	mg/l as CaCO3	3.10%
OP-VP-011,20-1	Alkalinity to pH 4.5		730	mg/l as CaCO3	
OP-VP-003,20'-0	Alkalinity to pH 8.3	<	2	mg/l as CaCO3	0.00%
OP-VP-003,20'-1	Alkalinity to pH 8.3	<	2	mg/l as CaCO3	
OP-VP-011,20-0	Alkalinity to pH 8.3	<	2	mg/l as CaCO3	0.00%
OP-VP-011,20-1	Alkalinity to pH 8.3	<	2	mg/l as CaCO3	
OP-VP-003,20'-0	Ammonia-Nitrogen		0.17	mg/l	30.00%
OP-VP-003,20'-1	Ammonia-Nitrogen		0.23	mg/l	
OP-VP-011,20-0	Ammonia-Nitrogen		302	mg/l	18.89%
OP-VP-011,20-1	Ammonia-Nitrogen		365	mg/l	
OP-VP-003,20'-0	Arsenic		0.0219	mg/l	35.34%
OP-VP-003,20'-1	Arsenic		0.0313	mg/l	
OP-VP-011,20-0	Arsenic	<	0.02	mg/l	0.00%
OP-VP-011,20-1	Arsenic	<	0.02	mg/l	
OP-VP-003,20'-0	Benzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Benzene	<	0.005	mg/l	
OP-VP-011,20-0	Benzene		0.17	mg/l	0.00%
OP-VP-011,20-1	Benzene		0.17	mg/l	
OP-VP-003,20'-0	Bromobenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Bromobenzene	<	0.005	mg/l	
OP-VP-011,20-0	Bromobenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Bromobenzene	<	0.005	mg/l	
OP-VP-003,20'-0	Bromochloromethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Bromochloromethane	<	0.005	mg/l	
OP-VP-011,20-0	Bromochloromethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Bromochloromethane	<	0.005	mg/l	
OP-VP-003,20'-0	Bromodichloromethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Bromodichloromethane	<	0.005	mg/l	
OP-VP-011,20-0	Bromodichloromethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Bromodichloromethane	<	0.005	mg/l	
OP-VP-003,20'-0	Bromoform	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Bromoform	<	0.005	mg/l	
OP-VP-011,20-0	Bromoform	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Bromoform	<	0.005	mg/l	
OP-VP-003,20'-0	Bromomethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Bromomethane	<	0.005	mg/l	
OP-VP-011,20-0	Bromomethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Bromomethane	<	0.005	mg/l	

Table 3-2
Summary of Phase III RI Duplicate Relative Percent Difference
Bee-Jay Scales Site, Sunnyside, Washington

Sample ID	Analyte	Less than MDL	Analytical Results	Units	RPD
OP-VP-003,20'-0	Carbon Disulfide	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Carbon Disulfide	<	0.005	mg/l	
OP-VP-011,20-0	Carbon Disulfide	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Carbon Disulfide	<	0.005	mg/l	
OP-VP-003,20'-0	Carbon Tetrachloride	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Carbon Tetrachloride	<	0.005	mg/l	
OP-VP-011,20-0	Carbon Tetrachloride	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Carbon Tetrachloride	<	0.005	mg/l	
OP-VP-003,20'-0	Chloride		100	mg/l	3.46%
OP-VP-003,20'-1	Chloride		96.6	mg/l	
OP-VP-011,20-0	Chloride		559	mg/l	10.94%
OP-VP-011,20-1	Chloride		501	mg/l	
OP-VP-003,20'-0	Chlorobenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Chlorobenzene	<	0.005	mg/l	
OP-VP-011,20-0	Chlorobenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Chlorobenzene	<	0.005	mg/l	
OP-VP-003,20'-0	Chloroethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Chloroethane	<	0.005	mg/l	
OP-VP-011,20-0	Chloroethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Chloroethane	<	0.005	mg/l	
OP-VP-003,20'-0	Chloroform	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Chloroform	<	0.005	mg/l	
OP-VP-011,20-0	Chloroform	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Chloroform	<	0.005	mg/l	
OP-VP-003,20'-0	Chloromethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Chloromethane	<	0.005	mg/l	
OP-VP-011,20-0	Chloromethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Chloromethane	<	0.005	mg/l	
OP-VP-003,20'-0	cis-1,2-Dichloroethene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	cis-1,2-Dichloroethene	<	0.005	mg/l	
OP-VP-011,20-0	cis-1,2-Dichloroethene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	cis-1,2-Dichloroethene	<	0.005	mg/l	
OP-VP-003,20'-0	cis-1,3-Dichloropropene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	cis-1,3-Dichloropropene	<	0.005	mg/l	
OP-VP-011,20-0	cis-1,3-Dichloropropene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	cis-1,3-Dichloropropene	<	0.005	mg/l	
OP-VP-003,20'-0	Dalapon	<	0.0013	mg/l	0.00%
OP-VP-003,20'-1	Dalapon	<	0.0013	mg/l	
OP-VP-011,20-0	Dalapon	<	0.012	mg/l	163.64%
OP-VP-011,20-1	Dalapon	<	0.0012	mg/l	
OP-VP-003,20'-0	Dibromochloromethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Dibromochloromethane	<	0.005	mg/l	
OP-VP-011,20-0	Dibromochloromethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Dibromochloromethane	<	0.005	mg/l	
OP-VP-003,20'-0	Dibromomethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Dibromomethane	<	0.005	mg/l	
OP-VP-011,20-0	Dibromomethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Dibromomethane	<	0.005	mg/l	
OP-VP-003,20'-0	Dicamba	<	0.00032	mg/l	3.17%
OP-VP-003,20'-1	Dicamba	<	0.00031	mg/l	
OP-VP-011,20-0	Dicamba		0.015	mg/l	18.18%
OP-VP-011,20-1	Dicamba		0.018	mg/l	

Table 3-2
Summary of Phase III RI Duplicate Relative Percent Difference
Bee-Jay Scales Site, Sunnyside, Washington

Sample ID	Analyte	Less than MDL	Analytical Results	Units	RPD
OP-VP-003,20'-0	Dichlorodifluoromethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Dichlorodifluoromethane	<	0.005	mg/l	
OP-VP-011,20-0	Dichlorodifluoromethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Dichlorodifluoromethane	<	0.005	mg/l	
OP-VP-003,20'-0	Dinoseb	<	0.00053	mg/l	3.85%
OP-VP-003,20'-1	Dinoseb	<	0.00051	mg/l	
OP-VP-011,20-0	Dinoseb		0.0066	mg/l	46.73%
OP-VP-011,20-1	Dinoseb		0.0041	mg/l	
OP-VP-003,20'-0	Ethyl ether	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Ethyl ether	<	0.005	mg/l	
OP-VP-011,20-0	Ethyl ether	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Ethyl ether	<	0.005	mg/l	
OP-VP-003,20'-0	Ethylbenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Ethylbenzene	<	0.005	mg/l	
OP-VP-011,20-0	Ethylbenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Ethylbenzene	<	0.005	mg/l	
OP-VP-003,20'-0	Iron		11.9	mg/l	81.66%
OP-VP-003,20'-1	Iron		5	mg/l	
OP-VP-011,20-0	Iron		2.07	mg/l	35.39%
OP-VP-011,20-1	Iron		2.96	mg/l	
OP-VP-003,20'-0	Isopropylbenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Isopropylbenzene	<	0.005	mg/l	
OP-VP-011,20-0	Isopropylbenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Isopropylbenzene	<	0.005	mg/l	
OP-VP-003,20'-0	m+p-Xylene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	m+p-Xylene	<	0.005	mg/l	
OP-VP-011,20-0	m+p-Xylene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	m+p-Xylene	<	0.005	mg/l	
OP-VP-003,20'-0	Manganese		4.4	mg/l	28.57%
OP-VP-003,20'-1	Manganese		3.3	mg/l	
OP-VP-011,20-0	Manganese		0.163	mg/l	16.61%
OP-VP-011,20-1	Manganese		0.138	mg/l	
OP-VP-003,20'-0	MCPA	<	1.1	mg/l	9.52%
OP-VP-003,20'-1	MCPA	<	1	mg/l	
OP-VP-011,20-0	MCPA	<	9.8	mg/l	164.31%
OP-VP-011,20-1	MCPA	<	0.96	mg/l	
OP-VP-003,20'-0	MCPP	<	0.21	mg/l	4.88%
OP-VP-003,20'-1	MCPP	<	0.2	mg/l	
OP-VP-011,20-0	MCPP	<	2	mg/l	165.30%
OP-VP-011,20-1	MCPP	<	0.19	mg/l	
OP-VP-003,20'-0	Methyl Iodide	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Methyl Iodide	<	0.005	mg/l	
OP-VP-011,20-0	Methyl Iodide	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Methyl Iodide	<	0.005	mg/l	
OP-VP-003,20'-0	Methyl Tertiary Butyl Ether	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Methyl Tertiary Butyl Ether	<	0.005	mg/l	
OP-VP-011,20-0	Methyl Tertiary Butyl Ether	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Methyl Tertiary Butyl Ether	<	0.005	mg/l	
OP-VP-003,20'-0	Methylene Chloride	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Methylene Chloride	<	0.005	mg/l	
OP-VP-011,20-0	Methylene Chloride	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Methylene Chloride	<	0.005	mg/l	

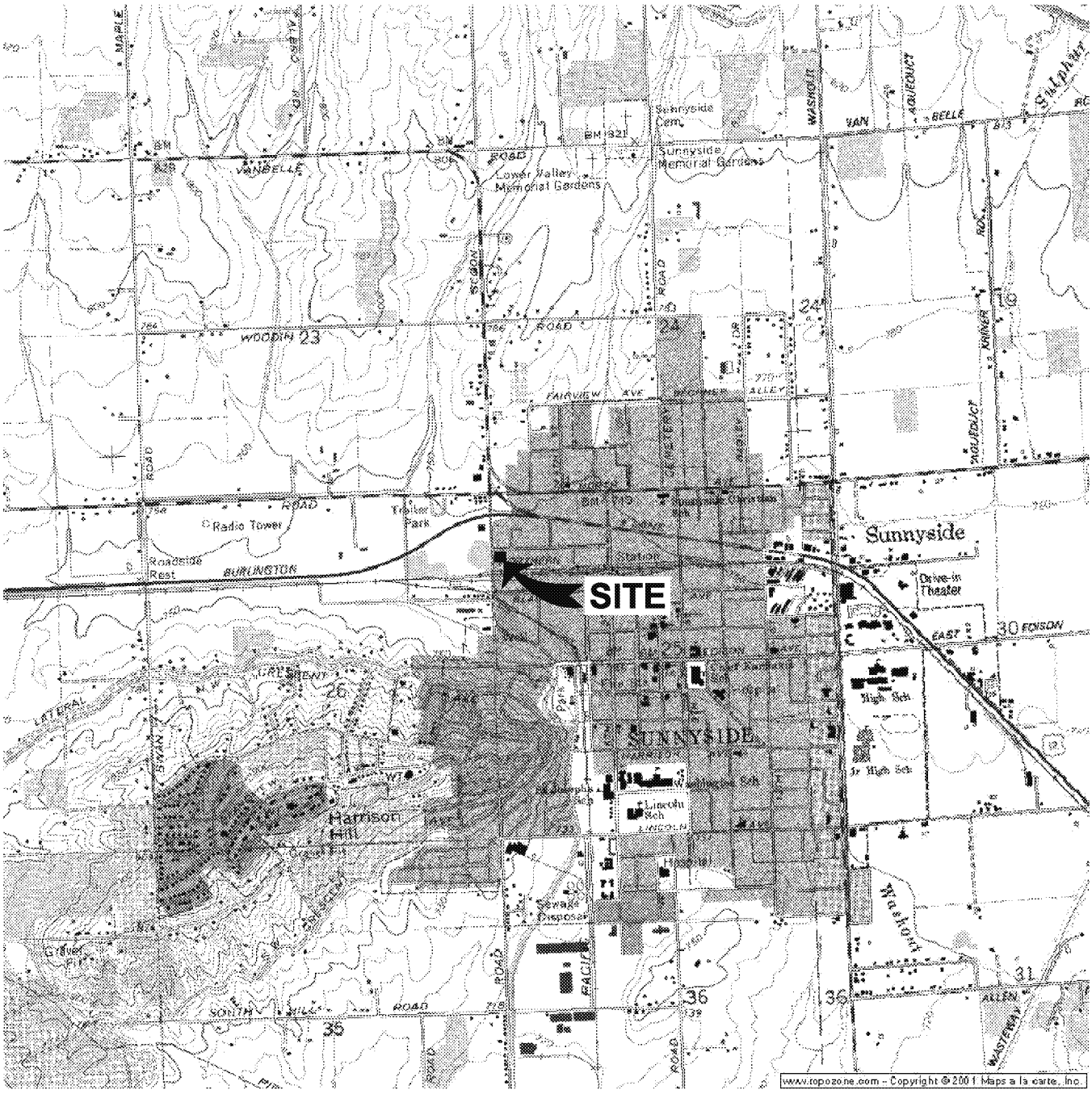
Table 3-2
Summary of Phase III RI Duplicate Relative Percent Difference
Bee-Jay Scales Site, Sunnyside, Washington

Sample ID	Analyte	Less than MDL	Analytical Results	Units	RPD
OP-VP-003,20'-0	Naphthalene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Naphthalene	<	0.005	mg/l	
OP-VP-011,20-0	Naphthalene	<	0.005	mg/l	18.18%
OP-VP-011,20-1	Naphthalene		0.006	mg/l	
OP-VP-003,20'-0	n-Butylbenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	n-Butylbenzene	<	0.005	mg/l	
OP-VP-011,20-0	n-Butylbenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	n-Butylbenzene	<	0.005	mg/l	
OP-VP-003,20'-0	Nitrate Nitrogen		223	mg/l	2.27%
OP-VP-003,20'-1	Nitrate Nitrogen		218	mg/l	
OP-VP-011,20-0	Nitrate Nitrogen		69.2	mg/l	4.66%
OP-VP-011,20-1	Nitrate Nitrogen		72.5	mg/l	
OP-VP-003,20'-0	Nitrite Nitrogen	<	0.05	mg/l	0.00%
OP-VP-003,20'-1	Nitrite Nitrogen	<	0.05	mg/l	
OP-VP-011,20-0	Nitrite Nitrogen		3.1	mg/l	6.67%
OP-VP-011,20-1	Nitrite Nitrogen		2.9	mg/l	
OP-VP-003,20'-0	n-Propylbenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	n-Propylbenzene	<	0.005	mg/l	
OP-VP-011,20-0	n-Propylbenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	n-Propylbenzene	<	0.005	mg/l	
OP-VP-003,20'-0	o-Xylene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	o-Xylene	<	0.005	mg/l	
OP-VP-011,20-0	o-Xylene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	o-Xylene	<	0.005	mg/l	
OP-VP-003,20'-0	Pentachlorophenol	<	0.000053	mg/l	3.85%
OP-VP-003,20'-1	Pentachlorophenol	<	0.000051	mg/l	
OP-VP-011,20-0	Pentachlorophenol	<	0.00049	mg/l	164.31%
OP-VP-011,20-1	Pentachlorophenol	<	0.000048	mg/l	
OP-VP-003,20'-0	pH		7.5	Std. Units	0.00%
OP-VP-003,20'-1	pH		7.5	Std. Units	
OP-VP-011,20-0	pH		8.3	Std. Units	0.00%
OP-VP-011,20-1	pH		8.3	Std. Units	
OP-VP-003,20'-0	p-Isopropyltoluene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	p-Isopropyltoluene	<	0.005	mg/l	
OP-VP-011,20-0	p-Isopropyltoluene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	p-Isopropyltoluene	<	0.005	mg/l	
OP-VP-003,20'-0	sec-Butylbenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	sec-Butylbenzene	<	0.005	mg/l	
OP-VP-011,20-0	sec-Butylbenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	sec-Butylbenzene	<	0.005	mg/l	
OP-VP-003,20'-0	Styrene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Styrene	<	0.005	mg/l	
OP-VP-011,20-0	Styrene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Styrene	<	0.005	mg/l	
OP-VP-003,20'-0	Sulfate (turbidimetric)		1470	mg/l	98.48%
OP-VP-003,20'-1	Sulfate (turbidimetric)	<	500	mg/l	
OP-VP-011,20-0	Sulfate (turbidimetric)		1100	mg/l	0.90%
OP-VP-011,20-1	Sulfate (turbidimetric)		1110	mg/l	
OP-VP-003,20'-0	tert-Butylbenzene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	tert-Butylbenzene	<	0.005	mg/l	
OP-VP-011,20-0	tert-Butylbenzene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	tert-Butylbenzene	<	0.005	mg/l	

Table 3-2
Summary of Phase III RI Duplicate Relative Percent Difference
Bee-Jay Scales Site, Sunnyside, Washington

Sample ID	Analyte	Less than MDL	Analytical Results	Units	RPD
OP-VP-003,20'-0	Tetrachloroethene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Tetrachloroethene	<	0.005	mg/l	
OP-VP-011,20-0	Tetrachloroethene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Tetrachloroethene	<	0.005	mg/l	
OP-VP-003,20'-0	Tetrahydrofuran	<	0.01	mg/l	0.00%
OP-VP-003,20'-1	Tetrahydrofuran	<	0.01	mg/l	
OP-VP-011,20-0	Tetrahydrofuran	<	0.01	mg/l	0.00%
OP-VP-011,20-1	Tetrahydrofuran	<	0.01	mg/l	
OP-VP-003,20'-0	Toluene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Toluene	<	0.005	mg/l	
OP-VP-011,20-0	Toluene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Toluene	<	0.005	mg/l	
OP-VP-003,20'-0	Total Phosphorus as PO4 water		6.9	mg/l	76.79%
OP-VP-003,20'-1	Total Phosphorus as PO4 water		15.5	mg/l	
OP-VP-011,20-0	Total Phosphorus as PO4 water		3.5	mg/l	41.38%
OP-VP-011,20-1	Total Phosphorus as PO4 water		2.3	mg/l	
OP-VP-003,20'-0	trans-1,2-Dichloroethene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	trans-1,2-Dichloroethene	<	0.005	mg/l	
OP-VP-011,20-0	trans-1,2-Dichloroethene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	trans-1,2-Dichloroethene	<	0.005	mg/l	
OP-VP-003,20'-0	trans-1,3-Dichloropropene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	trans-1,3-Dichloropropene	<	0.005	mg/l	
OP-VP-011,20-0	trans-1,3-Dichloropropene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	trans-1,3-Dichloropropene	<	0.005	mg/l	
OP-VP-003,20'-0	trans-1,4-Dichloro-2-butene	<	0.05	mg/l	0.00%
OP-VP-003,20'-1	trans-1,4-Dichloro-2-butene	<	0.05	mg/l	
OP-VP-011,20-0	trans-1,4-Dichloro-2-butene	<	0.05	mg/l	0.00%
OP-VP-011,20-1	trans-1,4-Dichloro-2-butene	<	0.05	mg/l	
OP-VP-003,20'-0	Trichloroethene	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Trichloroethene	<	0.005	mg/l	
OP-VP-011,20-0	Trichloroethene	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Trichloroethene	<	0.005	mg/l	
OP-VP-003,20'-0	Trichlorofluoromethane	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Trichlorofluoromethane	<	0.005	mg/l	
OP-VP-011,20-0	Trichlorofluoromethane	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Trichlorofluoromethane	<	0.005	mg/l	
OP-VP-003,20'-0	Vinyl Chloride	<	0.005	mg/l	0.00%
OP-VP-003,20'-1	Vinyl Chloride	<	0.005	mg/l	
OP-VP-011,20-0	Vinyl Chloride	<	0.005	mg/l	0.00%
OP-VP-011,20-1	Vinyl Chloride	<	0.005	mg/l	
AVERAGE					**11.32%**

FIGURES



QUADRANGLE LOCATION

N

0 1/4 1/2 1

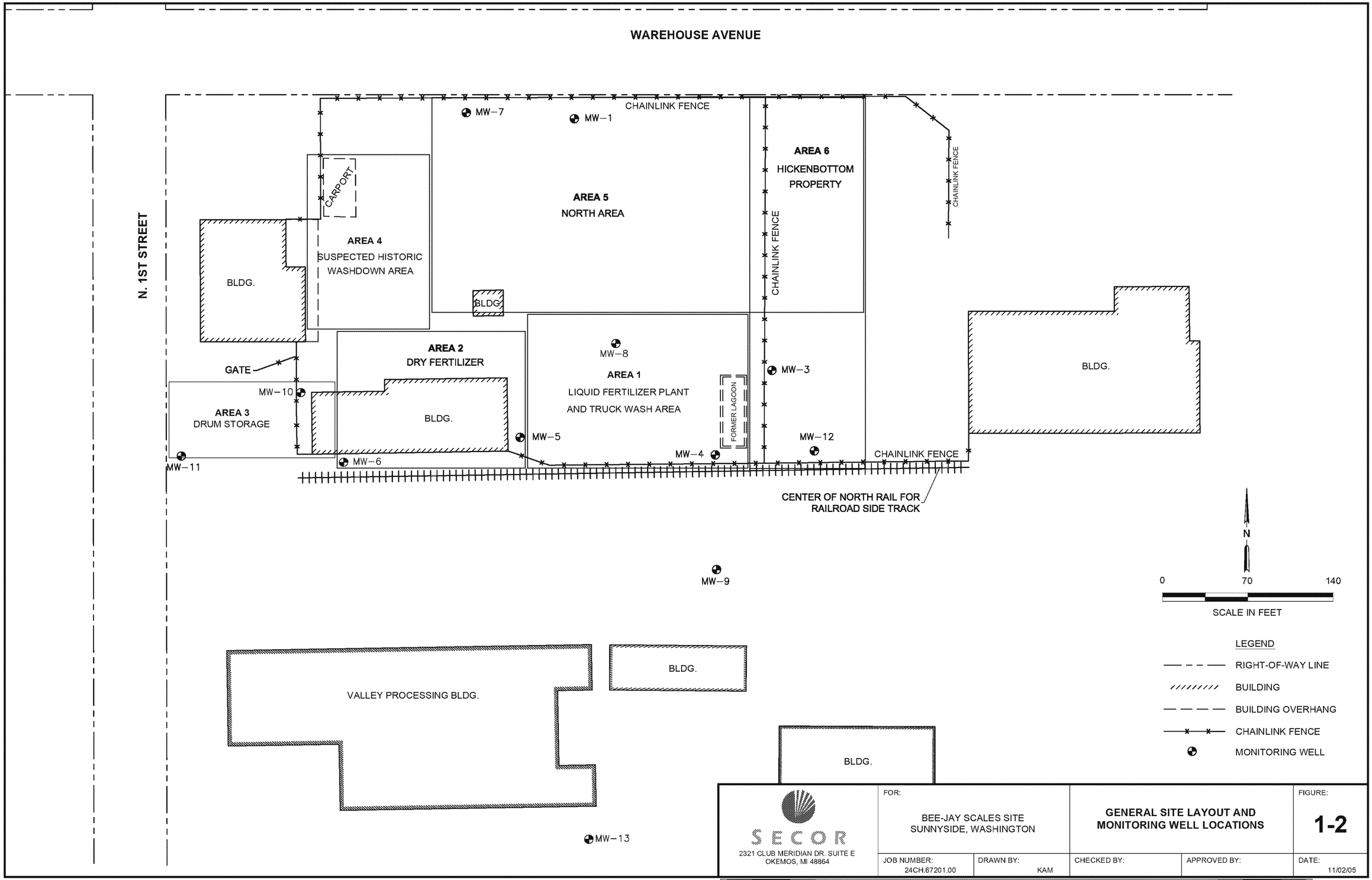
SCALE IN MILE

0 1000 2000

1 INCH = 2000 FEET

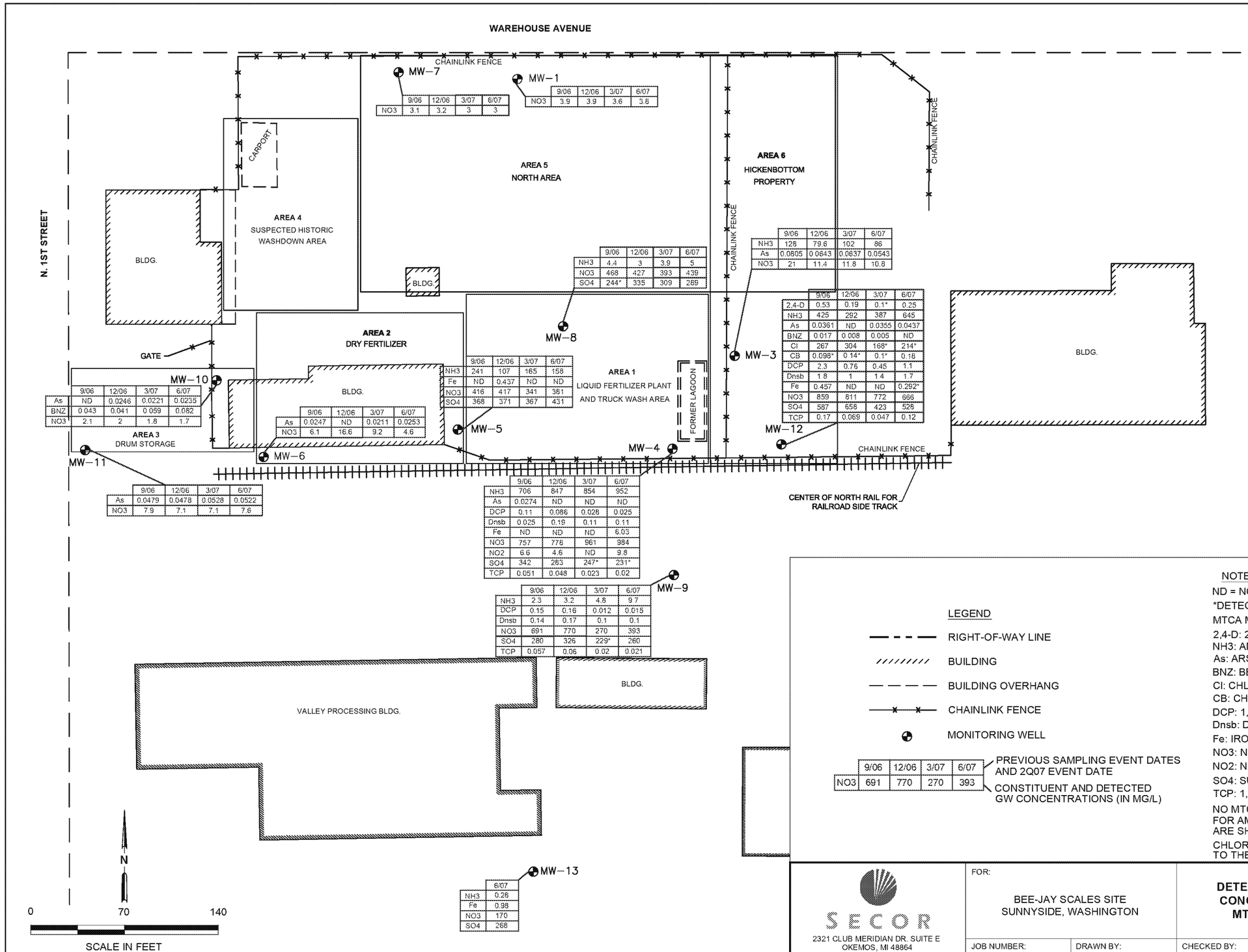
SOURCE: USGS 7.5 MINUTE QUADRANGLE; SUNNYSIDE, WASHINGTON; 1975

SECOR 2321 CLUB MERIDIAN DR. SUITE E OKEMOS, MI 48864	FOR: BEE-JAY SCALES SITE SUNNYSIDE, WASHINGTON		**SITE LOCATION MAP**		FIGURE: **1-1**
	JOB NUMBER: 24CH.67201.00	DRAWN BY: KAM	CHECKED BY:	APPROVED BY:	DATE: 11/02/05



SECOR
2321 CLUB MERIDIAN DR. SUITE E
OKEMOS, MI 48864

FOR:			FIGURE:
BEE-JAY SCALES SITE SUNNYSIDE, WASHINGTON		GENERAL SITE LAYOUT AND MONITORING WELL LOCATIONS	1-2
JOB NUMBER: 24CH.67201.00	DRAWN BY: KAM	CHECKED BY: / APPROVED BY:	DATE: 11/02/05



	9/06	12/06	3/07	6/07
NO3	3.1	3.2	3	3

	9/06	12/06	3/07	6/07
NO3	3.9	3.9	3.6	3.8

	9/06	12/06	3/07	6/07
NH3	4.4	3	3.9	5
NO3	468	427	393	439
SO4	244*	335	309	289

	9/06	12/06	3/07	6/07
NH3	126	79.6	102	86
As	0.0505	0.0643	0.0637	0.0543
NO3	21	11.4	11.8	10.8

	9/06	12/06	3/07	6/07
2,4-D	0.53	0.19	0.1*	0.25
NH3	425	292	387	645
As	0.0361	ND	0.0355	0.0437
BNZ	0.017	0.008	0.005	ND
Cl	267	304	168*	214*
CB	0.098*	0.14*	0.1*	0.18
DCP	2.3	0.76	0.45	1.1
Dnsb	1.8	1	1.4	1.7
Fe	0.457	ND	ND	0.292*
NO3	859	811	772	666
SO4	587	658	423	528
TCP	0.17	0.069	0.047	0.12

	9/06	12/06	3/07	6/07
As	ND	0.0246	0.0221	0.0235
BNZ	0.043	0.041	0.059	0.082
NO3	2.1	2	1.8	1.7

	9/06	12/06	3/07	6/07
NH3	241	107	165	158
Fe	ND	0.437	ND	ND
NO3	416	417	341	381
SO4	368	371	367	431

	9/06	12/06	3/07	6/07
As	0.0247	ND	0.0211	0.0253
NO3	6.1	16.6	9.2	4.6

	9/06	12/06	3/07	6/07
As	0.0479	0.0478	0.0528	0.0522
NO3	7.9	7.1	7.1	7.6

	9/06	12/06	3/07	6/07
NH3	706	847	854	952
As	0.0274	ND	ND	ND
DCP	0.11	0.086	0.026	0.025
Dnsb	0.025	0.19	0.11	0.11
Fe	ND	ND	ND	6.03
NO3	757	778	961	984
NO2	6.6	4.6	ND	9.8
SO4	342	283	247*	231*
TCP	0.051	0.048	0.023	0.02

	9/06	12/06	3/07	6/07
NH3	2.3	3.2	4.8	9.7
DCP	0.15	0.16	0.012	0.015
Dnsb	0.14	0.17	0.1	0.1
NO3	691	770	270	393
SO4	280	326	229*	260
TCP	0.057	0.06	0.02	0.021

	6/07
NH3	0.28
Fe	0.98
NO3	170
SO4	268

LEGEND

- RIGHT-OF-WAY LINE
- BUILDING
- BUILDING OVERHANG
- CHAINLINK FENCE
- MONITORING WELL

	9/06	12/06	3/07	6/07
NO3	691	770	270	393

PREVIOUS SAMPLING EVENT DATES AND 2Q07 EVENT DATE

CONSTITUENT AND DETECTED GW CONCENTRATIONS (IN MG/L)

NOTES

ND = NOT DETECTED

*DETECTED, BUT BELOW MTCA METHOD B CUL

MTCA METHOD B CRITERIA IN PARENTHESES BELOW:

2,4-D: 2,4-D (0.16 MG/L)
NH3: AMMONIA-N (NONE)
As: ARSENIC (5.83E-05 MG/L)
BNZ: BENZENE (7.95E-04 MG/L)
Cl: CHLORIDE (250 MG/L)
CB: CHLOROBENZENE (0.16 MG/L)
DCP: 1,2-DICHLOROPROPANE (6.43E-04 MG/L)
Dnsb: DINOSEB (0.016 MG/L)
Fe: IRON (0.3 MG/L)
NO3: NITRATE-N (1.6 MG/L)
NO2: NITRITE-N (1.6 MG/L)
SO4: SULFATE (250 MG/L)
TCP: 1,2,3-TRICHLOROPROPANE (6.25E-06 MG/L)

NO MTCA CRITERIA HAVE BEEN DEVELOPED FOR AMMONIA-N. ALL DETECTED CONCENTRATIONS ARE SHOWN.

CHLORIDE, IRON, AND SULFATE ARE COMPARED TO THEIR SECONDARY MCLs.

SECOR
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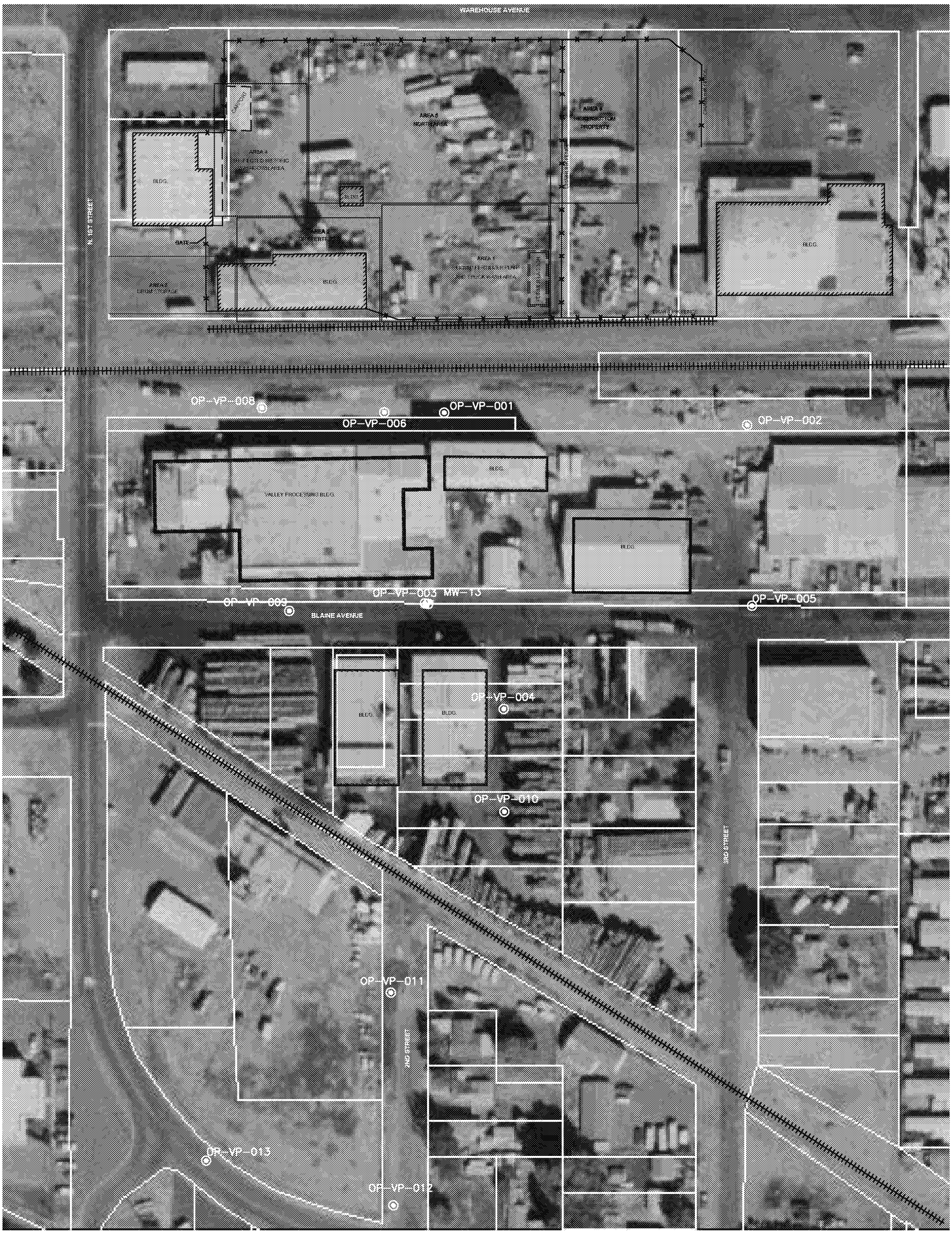
OKEMOS, MI 48864

FOR:
BEE-JAY SCALES SITE
SUNNYSIDE, WASHINGTON

DETECTED GROUNDWATER CONCENTRATIONS ABOVE MTCA METHOD B CULs

FIGURE: **1-3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
24CH.67201.00	MRP	TM	AM	7/24/07



LEGEND

- RIGHT-OF-WAY LINE
- BUILDING
- BUILDING OVERHANG
- CHAINLINK FENCE
- RAILROAD TRACKS
- MONITORING WELL
- VERTICAL PROFILE BORING

0 100 200

SCALE IN FEET

N

SECOR

2321 CLUB MERIDIAN DR. SUITE E
OKEMOS, MI 48864

FOR:			FIGURE:
BEE-JAY SCALES SITE SUNNYSIDE, WASHINGTON		PHASE III BORING LOCATIONS	2-1
JOB NUMBER: 24CH.67201.00	DRAWN BY: EK	CHECKED BY: MP	APPROVED BY: / DATE: 5/9/07

LEGEND

- RIGHT-OF-WAY LINE
- BUILDING
- BUILDING OVERHANG
- CHAINLINK FENCE
- RAILROAD TRACKS
- MONITORING WELL
- VERTICAL PROFILE BORING

NOTES

CONCENTRATIONS IN MG/L

NO3 = NITRATE - N

2QO7 NITRATE CONCENTRATIONS ARE SHOWN AT WELLS MW-1 THROUGH MW-13 FOR ILLUSTRATION PURPOSES

0 100 200

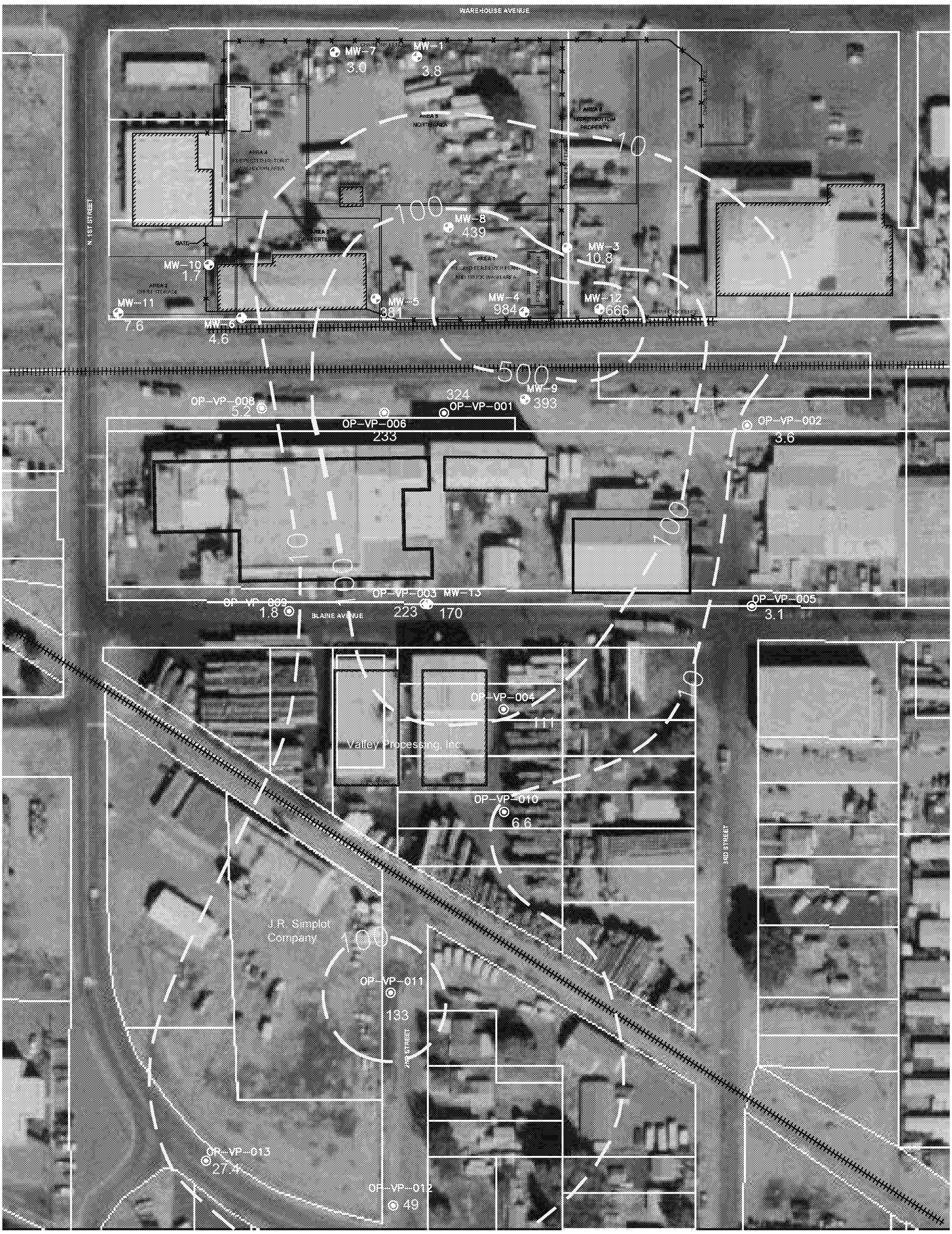
SCALE IN FEET

N

SECOR

2321 CLUB MERIDIAN DR. SUITE E
OKEMOS, MI 48864

FOR:			FIGURE:
BEE-JAY SCALES SITE SUNNYSIDE, WASHINGTON		PHASE III NITRATE CONCENTRATIONS	3-1
JOB NUMBER: 24CH.67201.00	DRAWN BY: EK	CHECKED BY: MP	APPROVED BY: / DATE: 5/9/07



LEGEND

- RIGHT-OF-WAY LINE
- BUILDING
- BUILDING OVERHANG
- CHAINLINK FENCE
- RAILROAD TRACKS
- MONITORING WELL
- VERTICAL PROFILE BORING
- PROPOSED BORING LOCATION
- NITRATE CONTOURS (INFERRED)
- OFF-SITE PROPERTY BOUNDARIES

NOTES

CONCENTRATIONS IN MG/L

2Q07 NITRATE CONCENTRATIONS ARE USED TO GENERATE CONTOURS FOR WELLS MW-1 THROUGH MW-13

THE MAXIMUM CONCENTRATIONS FROM THE VERTICAL PROFILE BORINGS WERE USED TO GENERATE THE ISOCONCENTRATIONS

0 100 200

SCALE IN FEET

N

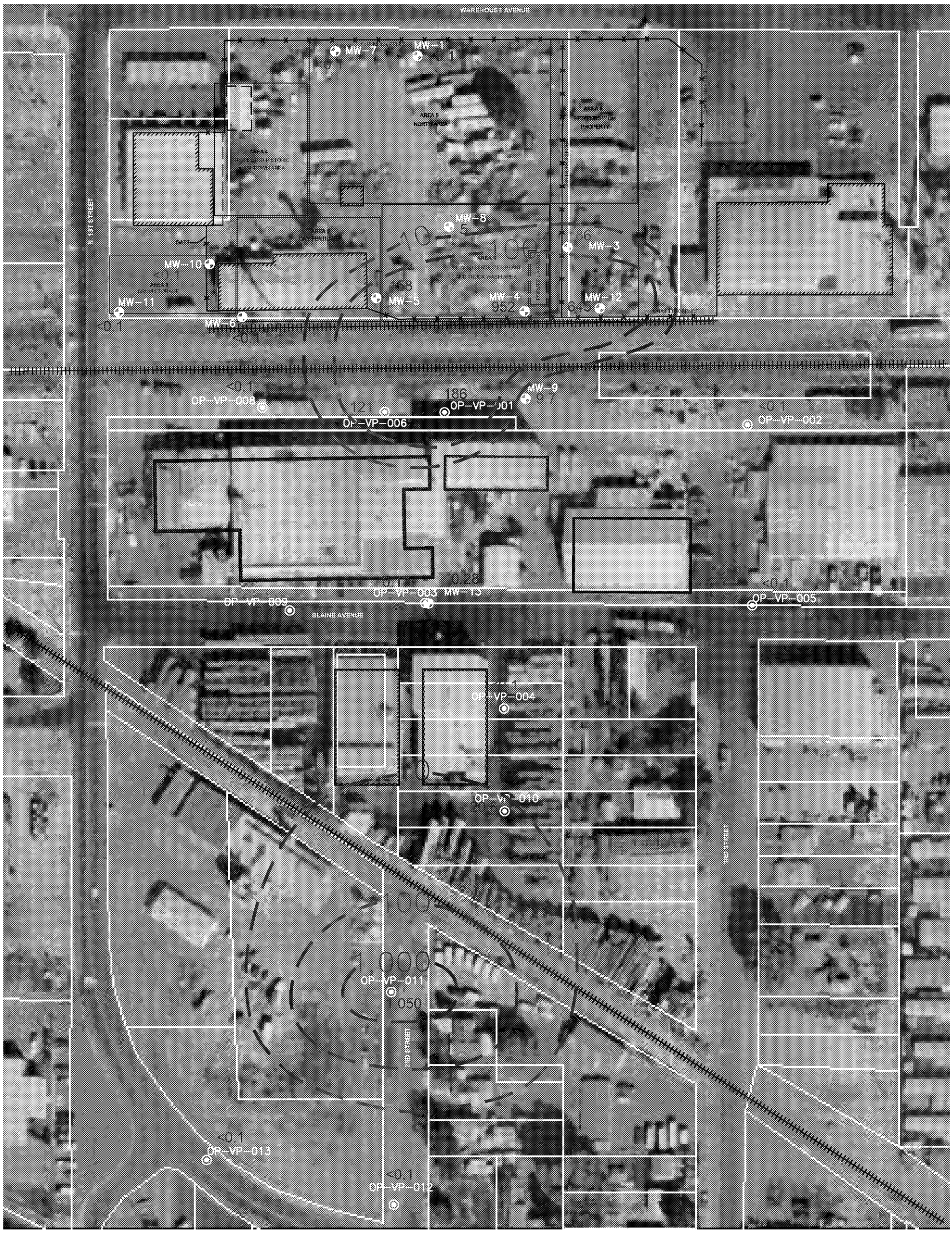
SECOR
2321 CLUB MERIDIAN DR. SUITE E
OKEMOS, MI 48864

FOR: BEE-JAY SCALES SITE
SUNNYSIDE, WASHINGTON

PHASE III NITRATE ISOCONCENTRATION MAP

FIGURE: **3-2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
24CH.67201.00	BAL	MP	TM	5/9/07



LEGEND

- RIGHT-OF-WAY LINE
- BUILDING
- BUILDING OVERHANG
- CHAINLINK FENCE
- RAILROAD TRACKS
- MONITORING WELL
- VERTICAL PROFILE BORING
- AMMONIA CONTOURS (INFERRED)

NOTES

CONCENTRATIONS IN MG/L

2Q07 AMMONIA CONCENTRATIONS ARE USED TO GENERATE CONTOURS FOR WELLS MW-1 THROUGH MW-13

THE MAXIMUM CONCENTRATIONS FROM THE VERTICAL PROFILE BORINGS WERE USED TO GENERATE THE ISOCONCENTRATIONS

0 100 200

SCALE IN FEET

N

SECOR
2321 CLUB MERIDIAN DR. SUITE E
OKEMOS, MI 48864

FOR:			FIGURE:
BEE-JAY SCALES SITE SUNNYSIDE, WASHINGTON		PHASE III AMMONIA ISOCONCENTRATION MAP	3-3
JOB NUMBER: 24CH.67201.00	DRAWN BY: BAL	CHECKED BY: MP	APPROVED BY: TM	DATE: 5/9/07

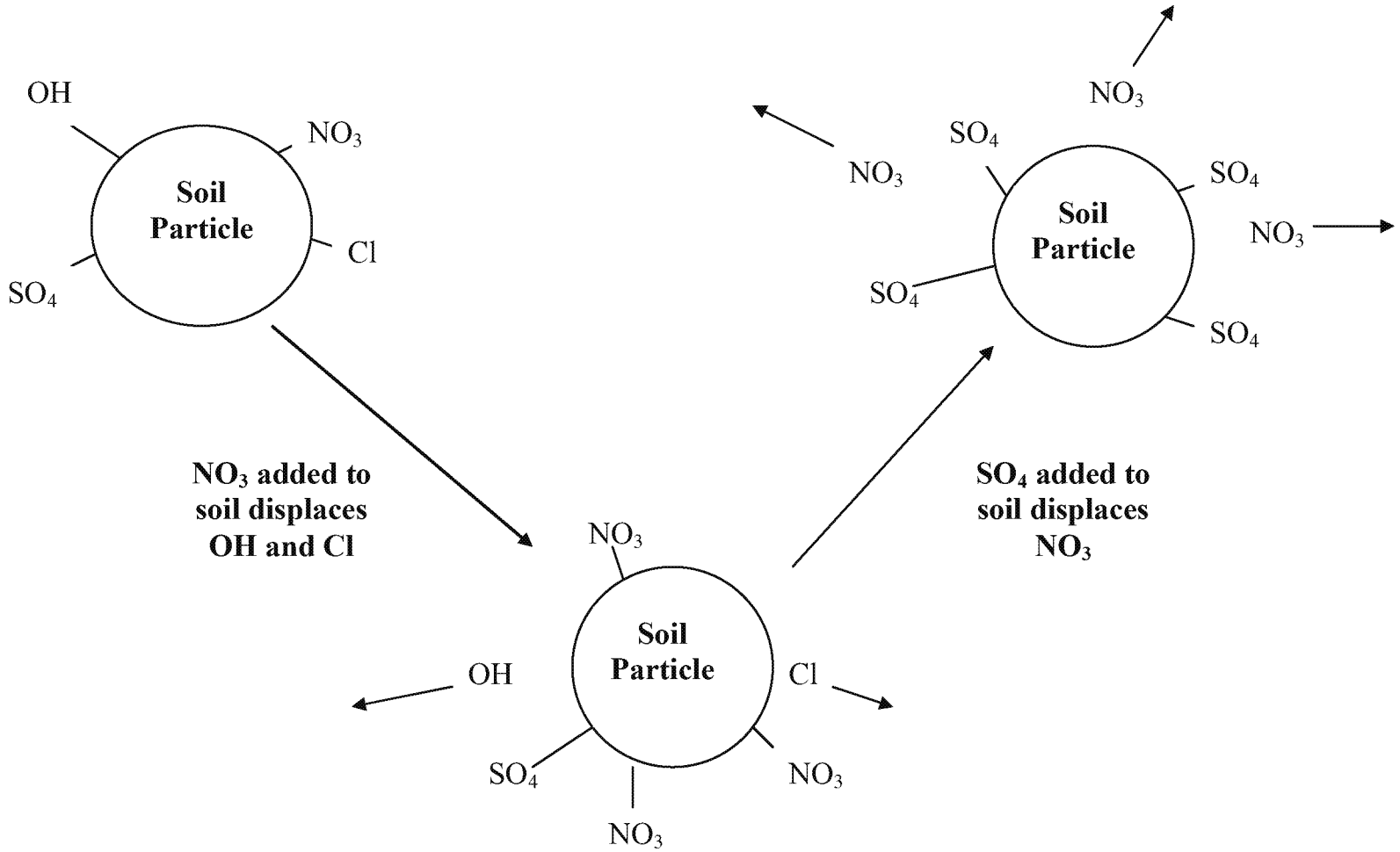


Figure 4-1: Anion Exchange Mechanism

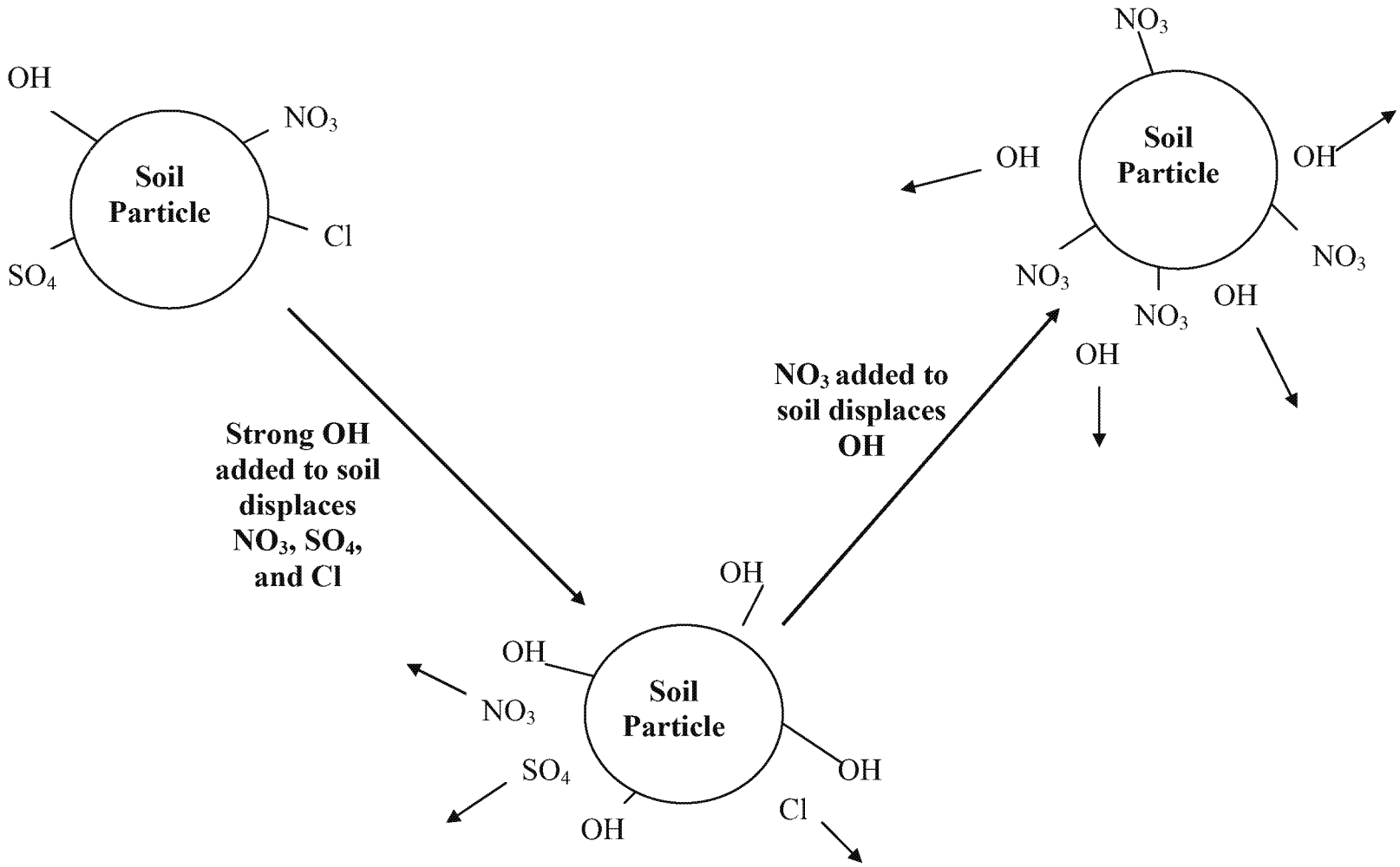


Figure 4-2: Soil/Water Partitioning Mechanism

APPENDIX A
PHASE III BORING LOGS

Phase III Remedial Investigation Report
Chevron Environmental Management Company
& BP America, Inc.

24CH.67201.00
October 26, 2007

PROJECT: Bee Jay Scales 67201
LOCATION: S Donyside, WA
PROJECT NUMBER: 24CH.67201.00
DRILLING STARTED: 5/27/07 COMPLETED:
INSTALLATION STARTED: COMPLETED:
DRILLING COMPANY: Cascade
DRILLING EQUIPMENT: Vac truck + Coxpropo
DRILLING METHOD:
SAMPLING EQUIPMENT:

WELL / PROBEHOLE / BOREHOLD NO: VP-1
PAGE: 1 OF 1
NORTHING (ft): EASTING (ft):
LATITUDE: LONGITUDE:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): 8.5" BOREHOLE DEPTH (ft):
STATIC DTW (ft): WELL DEPTH (ft):
WELL CASING DIAMETER (in): BOREHOLE DIAMETER (in):
LOGGED BY: JD CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
1000 0			Fill: Gravel and sand							0
1										1
1005 2		ML	Silt (ML) Dark yellowish brown (10YR 4/6) low plasticity; medium stiff; ~~trace~~ Fine sand 30-40%; Dry; no HCO; no staining			1/1		0	2'	2
3										3
4										4
5										5
		SM	Sand (SM) Yellowish brown (10YR 5/4) Fine grained; loose; 20-30% fines; Damp-wet; no HCO.			1/1		0	6'	6
1035 8 9	▽	SM	Sand (SP) dark brown (10YR 3/3) Fine sand; very soft; wet-sat; trace fines 5%; no HCO no staining			1/1		0	8	8
10										10
1250 12		SM	SAA Saturated			4/4	[illegible]	0	1' 12	
15										15
1300	18	SM	Sand (SM) Very dark grayish brown (10YR 3/2) Fine sand; loose; saturated trace fines < 5%; no HCO; no stain		1300 OP-VP-001-	18' 4/4		0	18	
20			TD = 20' bgs							20
			Static Water 8.32 @ 1408							
25										25

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PROJECT: Bee Jay Scales
LOCATION: Sunnyside, WA
PROJECT NUMBER:
DRILLING STARTED: 03-27-07 COMPLETED: 03-27-07
INSTALLATION STARTED: COMPLETED:
DRILLING COMPANY: Cascade Drilling Inc (CDI)
DRILLING EQUIPMENT: Vac Truck & Direct Push GeoProbe
DRILLING METHOD:
SAMPLING EQUIPMENT:

WELL / PROBEHOLE / BOREHOLD NO: VP-2
PAGE: 1 OF 1
NORTHING (ft): EASTING (ft):
LATITUDE: LONGITUDE:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): BOREHOLE DEPTH (ft):
STATIC DTW (ft): WELL DEPTH (ft):
WELL CASING DIAMETER (in): BOREHOLE DIAMETER (in):
LOGGED BY: CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
0			~~asphalt~~ gravel 0-2'	HAND CLEARED						
1241		ML	clayey silt, ML, brown, med-dense, low to med plasticity, moist, no odor, no staining							
1245		ML	SAA							
5										
1250		ML	SAA, brown-light brown, low plasticity							
1252		ML	silt, ML, brown, loose to med dense, low plasticity, moist, no odor, no staining							
10	▼		silty sand, fine grained sand, med-dense, low plasticity, saturated, no odor, no staining, brown-lt brown → btwn 8.75 & 11.5							
			14 05 no gw came in thru the screen							
			14 33 moved on to 20'							
			11.5 - 12.5 silt, brown, med dense, no odor, no staining, low plasticity, moist							
15			@12.5 to 13.5 SAA but dark brown-black							
			@13.5 - SAA but brown & saturated to 18.5							
20			~~16.5 to 18 dark brown, saturated sandy silt no odor no staining, low plasticity, fine sand~~							
			18.5 to 18.75 - sandy silt med grained sand dark brown							
			18.75 to 20 silt, brown, dense moist to wet not saturated no odor, no staining, low plasticity							
25										

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PROJECT: BeeJay Scales	WELL / PROBEHOLE / BOREHOLE NO: VP-3
LOCATION: Sunnyside, WA	PAGE: 1 OF 1
PROJECT NUMBER: 24 CH. 67201.00.0024	NORTHING (ft): EASTING (ft):
DRILLING STARTED: 3/28/07 COMPLETED:	LATITUDE: LONGITUDE:
INSTALLATION STARTED: COMPLETED:	GROUND ELEV (ft): TOC ELEV (ft):
DRILLING COMPANY: Cascade	INITIAL DTW (ft): 11' BOREHOLE DEPTH (ft):
DRILLING EQUIPMENT: GeoProbe / Vac Truck	STATIC DTW (ft): 10.80' WELL DEPTH (ft):
DRILLING METHOD:	WELL CASING DIAMETER (in): BOREHOLE DIAMETER (in):
SAMPLING EQUIPMENT:	LOGGED BY: ACZ + JD CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
0			0-2 asphalt and gravel	Thand cleared			N/A Geo-Probe		0	
10:36		ML	fine sandy silt, ML, fine grained sand, med dense to loose, damp, no odor, no staining light brown to light reddish brown no plas					0		
10:40										
5									5	
10:42										
			SAA but slight plasticity							
10:46								0		
1100 10		SM	Sand (SM) Very dark brown (10YR 2/2) Fine grained; loose; wet; silt 30%; no HCO; no staining.			4/4		0	10	
11	▽									
1102 12		SM	Sand (SM) Black (10YR 2/1) Fine sand poorly graded; loose; wet-saturated no trace fines 5%; no HCO			4/4		7.6	12	
14									14	
15		SM	Sand (SM) Dark yellowish brown (10YR 4/4) Fine grained; loose; wet-saturated; silt 20%; no HCO no staining			4/4		0	15	
16										
18		ML	Silt (ML) Dark yellowish brown (10YR 4/6) Soft; wet; fine sand 20%; no HCO no staining.		1130 OR-VP-003 14-0	4/4		0	18	
20			TD = 20' bgs						20	
			GW Sample at 1200							
			GW Duplicate at 1230							
25									25	

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PROJECT: Bee-Jay Scales
LOCATION: Sunnyside, WA
PROJECT NUMBER: 24CH.67201.00.0024
DRILLING STARTED: 3/28/07 COMPLETED:
INSTALLATION STARTED: COMPLETED:
DRILLING COMPANY: Cascade
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD:
SAMPLING EQUIPMENT:

WELL / PROBEHOLE / BOREHOLD NO: VP-4
PAGE: 1 OF 1
NORTHING (ft): EASTING (ft):
LATITUDE: LONGITUDE:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): BOREHOLE DEPTH (ft):
STATIC DTW (ft): WELL DEPTH (ft):
WELL CASING DIAMETER (in): BOREHOLE DIAMETER (in):
LOGGED BY: CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
0			Asphalt 6" thick							0
1			Fill: Cobbles and gravel							1
1241 2		ML	Silt (ML) Dark yellowish brown (10YR 4/6) Soft; low plasticity; damp; trace fine sand; no HCO no staining					0		2
3										3
1244 4								0		4
5										5
1248 6		ML	Silt (ML) Dark yellowish brown (10YR 3/4) Soft; low plastic; Sand fine 20%-30%; saturated no HCO; no staining.					0		6
1251 8								0		8
10		ML	~~Silt~~ sandy silt, dark brown (10YR 2/2), soft; low plast.; fine grained sand; no odor, no staining. wet					0		10
1630 12			SAA, wet to saturated					0		12
14		ML	Silt (ML) Dark yellowish brown (10YR 4/4) very soft; low plasticity; Saturated; no HCO; no staining					0		14
15										15
1634										
18		ML	Silt (ML) Dark yellowish brown (10YR 4/6) medium stiff; ~~damp~~ wet; low plastic; no HCO no staining		1639 OP-VP-004-18-0 3/28/07			0		18
1639 20			TD = 20'					0		20
			OP-VP-004-20'-0 @ 1700							
			OP-VP-004-20'-2 @ 1800							
25										25

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PROJECT: BeeJay Scales	WELL / PROBEHOLE / BOREHOLD NO: HP-5
LOCATION: Sunnyside, WA	PAGE: ____ OF ____
PROJECT NUMBER: 24CH.67201.00.0024	NORTHING (ft): ____ EASTING (ft): ____
DRILLING STARTED: 3/28/07 COMPLETED: ____	LATITUDE: ____ LONGITUDE: ____
INSTALLATION STARTED: ____ COMPLETED: ____	GROUND ELEV (ft): ____ TOC ELEV (ft): ____
DRILLING COMPANY: Cascade	INITIAL DTW (ft): 9.0 BOREHOLE DEPTH (ft): ____
DRILLING EQUIPMENT: Geoprobe	STATIC DTW (ft): ____ WELL DEPTH (ft): ____
DRILLING METHOD: ____	WELL CASING DIAMETER (in): ____ BOREHOLE DIAMETER (in): ____
SAMPLING EQUIPMENT: ____	LOGGED BY: ____ CHECKED BY: ____

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
0										
1147			ML silt, med-dense, low plasticity, moist, no odor, no staining, brown							
1149		ML								
5										
1152			ML Sandy silt, loose to med-dense, low plas, no odor, no staining, moist brown							
3/28/07 815		SM	Sand (SM) Dark yellowish brown (10YR 4/2) Fine grained; medium loose; damp; silt 20-30%; no HCO; no staining			4/4		9.2	8'	
817 10		SM	SAA wet @ 9'			4/4		0.4	10'	
819 12			SAA			4/4		0	12'	
820 14		ML	silt (ML) Dark yellowish brown (10YR 4/4) soft; low plasticity; wet; Fine sand 20-30%; no HCO no staining.			4/4		0	14	
15										
822 16								1.6	16	
824 18		ML	silt (ML) Brown (10YR 4/3) medium stiff; low plasticity; wet; trace Fine sand 5%; no HCO; no staining		OP-UP005-15-0 830	4/4		0	18	
828 20										
25										

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PROJECT: Bee Jay 67201	WELL / PROBEHOLE / BOREHOLD NO: OP-UP-006
LOCATION: Sunnyside, WA	PAGE: 1 OF 1
PROJECT NUMBER: 24CN.67201.00.0022	NORTHING (ft): EASTING (ft):
DRILLING STARTED: 3/27/07 COMPLETED: 3/ /07	LATITUDE: LONGITUDE:
INSTALLATION STARTED: COMPLETED:	GROUND ELEV (ft): TOC ELEV (ft):
DRILLING COMPANY: Cascade	INITIAL DTW (ft): 11' BOREHOLE DEPTH (ft):
DRILLING EQUIPMENT: Geoprobe	STATIC DTW (ft): WELL DEPTH (ft):
DRILLING METHOD: Direct Push	WELL CASING DIAMETER (in): BOREHOLE DIAMETER (in):
SAMPLING EQUIPMENT: Hand Auger + sleeve	LOGGED BY: JB CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
1600 0			Fill: Sand & gravel							0
1										1
1610 2		ML	Silt (ML) Dark yellowish brown (10YR 4/6) medium stiff; low plasticity; dry; trace fine sand; no HCO; no staining			1/1		0	2	2
3										3
1615 4		ML	Silt (ML) Dark Yellowish brown (10YR 3/4) Soft; low plasticity; wet; Fine sand 20-30%; no HCO; no Staining			1/1		0	4	4
5										5
1620 6		SM	Sand (SM) Brown (10YR 4/3) Soft fine grained; loose; damp; Silt 30-40% no HCO no staining.			1/1		0	6	6
1625 7										7
1630 8		SM	Sand (SM) Dark brown (10YR 3/3) Fine sand; medium loose; wet; trace fines <5%; no HCO no staining			1/1		0	8	8
3/28/07 10										10
11	▽									
1320 12		SM	Sand (SM) Very dark grayish brown (10YR 3/2) Fine sand; loose; wet; Silt 20-30%; no HCO no stain			4/4		0	12	
1323 14		SM	Sand (SM) Dark yellowish brown (10YR 4/4) Fine; medium loose; sat trace fines 5%; no HCO; no stain			4/4		0	14	
15										15
1325 16						4/4		0	16	
1330 18		SM	Sand (SM) Dark yellowish brown (10YR 3/4) Fine grained; loose; saturated; Silt 20-30%; no HCO; no stain		3-28-07 OP-UP-006-18.0 1330	4/4		0	18	
20										20
			TD = 20' bgs							
			OP-UP-006-20-0 @ 1540							
25										25

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PROJECT: Bee-Jay Scales	WELL / PROBEHOLE / BOREHOLD NO: UP-VP-007
LOCATION: Sunnyside, WA	PAGE: ____ OF ____
PROJECT NUMBER: 24CH.67201.00.0024	NORTHING (ft): ____ EASTING (ft): ____
DRILLING STARTED: 3/28/07 COMPLETED: ____	LATITUDE: ____ LONGITUDE: ____
INSTALLATION STARTED: ____ COMPLETED: ____	GROUND ELEV (ft): ____ TOC ELEV (ft): ____
DRILLING COMPANY: Cascade	INITIAL DTW (ft): ____ BOREHOLE DEPTH (ft): ____
DRILLING EQUIPMENT: Geoprobe	STATIC DTW (ft): ____ WELL DEPTH (ft): ____
DRILLING METHOD: ____	WELL CASING DIAMETER (in): ____ BOREHOLE DIAMETER (in): ____
SAMPLING EQUIPMENT: ____	LOGGED BY: ____ CHECKED BY: ____

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
1600			FILL: Gravel + Sand							
0									0	
1									1	
1606 2									2	
3		ML	Silt (ML) Dark grayish brown (10YR 4/2) soft; low plasticity; dry; trace fine sand <5%; no HCO; no staining.						3	
1608 4									4	
5		ML	Silt (ML) Dark yellowish brown (10YR 4/4) medium soft; low plastic; wet; no HCO						5	
			Did not complete due to time constraints and higher priority borings.							
10									10	
15									15	
20									20	
25									25	

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PROJECT: Bee-Jay Scales	WELL / PROBEHOLE / BOREHOLD NO: VP-8
LOCATION: Sunnyside WA	PAGE: 1 OF 1
PROJECT NUMBER: 24CH.67201.00.0024	NORTHING (ft): EASTING (ft):
DRILLING STARTED: 3/29/07 COMPLETED:	LATITUDE: LONGITUDE:
INSTALLATION STARTED: COMPLETED:	GROUND ELEV (ft): TOC ELEV (ft):
DRILLING COMPANY: Cascade	INITIAL DTW (ft): 8' BOREHOLE DEPTH (ft):
DRILLING EQUIPMENT: Geoprobe	STATIC DTW (ft): WELL DEPTH (ft):
DRILLING METHOD:	WELL CASING DIAMETER (in): BOREHOLE DIAMETER (in):
SAMPLING EQUIPMENT:	LOGGED BY: JD CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
730 0			Fill: Gravel & Sand							0
1										1
736 2		ML	Silt (ML) Dark yellowish brown (10YR 3/6) Soft; damp; low plasticity; no HCO no staining					0		2
3										3
738 4								0		4
5										5
740 6		ML	Silt (ML) Very dark brown (10YR 2/2) Very soft; low plasticity; wet; fine sand 30-40%; no HCO; no staining.							6
742 8								0		
										8
750 10		SM	Sand (SM) Very dark brown (10YR 2/2) fine; loose; saturated; Silt 40-50% no HCO; no stain					0		10
752 12								0		12
754 14		ML	Silt (ML) Dark yellowish brown (10YR 4/6) soft; low plastic; saturated; trace fine sand no HCO or stain.					0		14
15										15
900 16								0		16
902 18		ML	Silt (ML) Brown (10YR 4/3) soft; low plasticity; wet; fine sand 5-10% no HCO; no staining	X	3/29/07 VP-08-008 18-0 920			0		18
905 20								0		20
			TD = 20' bgs OP-VP-008, 10-0 @ 830 OP-VP-008, 20-0 @ 1000 OP-VP-008, 20'-1 @ 1010							
25										25

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PROJECT: Bee-Jay Sales	WELL / PROBEHOLE / BOREHOLD NO: VP-01
LOCATION: Sunnyside, WA	PAGE: 1 OF 1
PROJECT NUMBER: 24CH.07201.00.0024	NORTHING (ft): EASTING (ft):
DRILLING STARTED: 3/29/07 COMPLETED:	LATITUDE: LONGITUDE:
INSTALLATION STARTED: COMPLETED:	GROUND ELEV (ft): TOC ELEV (ft):
DRILLING COMPANY: Cascade	INITIAL DTW (ft): 8.5' BOREHOLE DEPTH (ft):
DRILLING EQUIPMENT: Geoprobe	STATIC DTW (ft): WELL DEPTH (ft):
DRILLING METHOD:	WELL CASING DIAMETER (in): BOREHOLE DIAMETER (in):
SAMPLING EQUIPMENT:	LOGGED BY: CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
0			Asphalt 6"							0
1			FILL: Gravel & Sand							1
2										2
3		ML						0		3
4										4
5		ML						1.6		5
6										6
		ML						3.7		
1123 8								7.7		8
		ML								
1125 10		SM	Sand (SM) Black (2.5Y/1) Fine grained; 100%; wet; Silt 30-40%; Strong HCO; Possible product Staining	X	3/29/07 OP-VP-009, 10-0 1135			201		10
1130 12		ML	Silt (ML) Black (2.5Y/1) soft; wet; low plastic; trace fine sand 5%; Strong - mod HCO; possible product staining					155		12
14										14
15								57.4		15
16		ML	Silt (ML) Black (2.5Y/1) soft; wet low plasticity; Fine sand 5-10%; and moderate HCO; Product staining					1.7		16
17										
17.5			(Product Contact @ 17.5')							
18		ML	Silt (ML) Dark grayish brown (2.5Y 4/2) soft; low plastic; wet; Fine sand 20% Slight HCO; no staining		OP-VP-009, 18-0 1210			4.7		18
20								2.2		20
			OP-VP-009, 10'-0 @ 1145 8 VOAS ONLY							
			OP-VP-009, 18-0 @ 1210 Soil							
25			OP-VP-009, 20-0 @ 1300							25

Contact of product staining

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PROJECT: Bee-Jay Scales	WELL / PROBEHOLE / BOREHOLD NO: VP-10
LOCATION: Sunny Side, WA	PAGE: 1 OF 1
PROJECT NUMBER: 24CH.67201.00.0024	NORTHING (ft): EASTING (ft):
DRILLING STARTED: 8/29/07 COMPLETED:	LATITUDE: LONGITUDE:
INSTALLATION STARTED: COMPLETED:	GROUND ELEV (ft): TOC ELEV (ft):
DRILLING COMPANY:	INITIAL DTW (ft): BOREHOLE DEPTH (ft):
DRILLING EQUIPMENT: Vacuum truck	STATIC DTW (ft): WELL DEPTH (ft):
DRILLING METHOD:	WELL CASING DIAMETER (in): BOREHOLE DIAMETER (in):
SAMPLING EQUIPMENT: Hand Auger	LOGGED BY: CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
0			Asphalt (6")						0	
1			Fill Cobbles and Sand						1	
2		ML	Silt (ML) Dark yellowish brown (10YR 4/6) soft; low plastic; damp; trace fine Sand 5% no HCO; no stain					0	2	
3									3	
4									4	
5								0	5	
6		ML	Silt (ML) Dark yellowish brown (10YR 3/4) soft; low plastic; fine Sand 25-30%; ~~Saturated~~ wet; no HCO; no staining					0	6	
8								0	8	
10			TD = 8' bgs Not completed dues to time constraints and higher priority borings.						10	
15									15	
20									20	
25									25	

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PROJECT: Bee Jay Scales
LOCATION: Sunnyside, WA
PROJECT NUMBER: 24CH.67201.00.0024
DRILLING STARTED: 5-22-07 1140 COMPLETED: 5-22-07
INSTALLATION STARTED: COMPLETED:
DRILLING COMPANY: Cascade
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD: Direct Push
SAMPLING EQUIPMENT: Hand Auger + Geoprobe Sampler

WELL / PROBEHOLE / BOREHOLD NO: VP-10
PAGE: 1 OF 1
NORTHING (ft):
EASTING (ft):
LATITUDE:
LONGITUDE:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft): 8'56"
BOREHOLE DEPTH (ft):
STATIC DTW (ft): 8'
WELL DEPTH (ft):
WELL CASING DIAMETER (in):
BOREHOLE DIAMETER (in):
LOGGED BY: JD
CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
1140			Asphalt 7" thick							
1			Gravel, Sand + silt base							
1200 2		ML	Silt (ML) Dark Brown; low plasticity; medium stiff; moist; no HCO; no stain			1/1		0	2	
3										
4										
5										
1210 6		ML	Silt (ML) Very Dark Brown; soft; low plasticity; moist ~~wet~~; trace fine sand 5%; no HCO; no staining.			1/1		0	6	
8	▽									
9										
1235 10 GW-10 @ 1315		SM	Sand (SM) Very dark brown; loose ~~very soft~~; low plasticity; wet; silt 40-45%; no HCO; no stain		1315 OP-VP-10 GW sample	4/4		0	10	
12										
1410 14		ML	Silt (ML) ~~very dark~~ brown; soft; low plasticity; wet; trace fine sand 5% no HCO; no staining.			4/4		0	14	
16										
18		ML	Silt (ML) Brown; very soft; low plastic wet; ~~trace~~ 20% fine sand; no HCO no staining			4/4		0	18	
1415 20										

TD = 20'
OP-VP-10, 10.0 @ 1315
OP-VP-10, 20-0 @ ~~1410~~ 1515

FILEPATH:R:\Office\015\KAMERON\Blank Log Form - KAM.dwg\kananyrath\May 26, 2005 at 17:50\Layout: Model

PROJECT: Bee Jay Scales
LOCATION: Sunnyside, WA
PROJECT NUMBER: 24CH.67201.00.0024
DRILLING STARTED: 5-22-07 - 1230 COMPLETED: 5-23-07
INSTALLATION STARTED: COMPLETED: 1115
DRILLING COMPANY: Cascade
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD: Direct push
SAMPLING EQUIPMENT: Hand Auger and probe Sampler

WELL / PROBEHOLE / BOREHOLD NO: UP-11
PAGE: 1 OF 1
NORTHING (ft):
EASTING (ft):
LATITUDE:
LONGITUDE:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft): 9'6"
BOREHOLE DEPTH (ft):
STATIC DTW (ft):
WELL DEPTH (ft):
WELL CASING DIAMETER (in):
BOREHOLE DIAMETER (in):
LOGGED BY:
CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
1230			4" of gravel base							
1										
1250 2		ML	Silt (ML) Reddish brown; soft; low plasticity damp; no HCO; no staining			1/1		0	2	
3										
4										
5										
1305 6		ML	Same As Above			1/1		0	6'	
1310 8 5-23-07										
740 10	▽	ML	Silt (ML) Brown olive; soft; low plastic; moist; 30% fine sand; no HCO; no staining			4/4		0	10'	
12		ML								
920 14		ML	Silt (ML) Very Dark Brown; soft; low Plasticity; wet; 30% fine sand; no HCO; no staining			4/4		1.7	14'	
16										
18		SM	Sand (SM) Dark brown; loose; wet; fine grained; Silt 40%; no HCO; no staining			4/4		0.8	18	
925 20										

TD=20' bgs
OP-UP-11, 10-0 @ 820
OP-UP-11, 20-0 @ 1020
OP-UP-11, 20-1

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PROJECT: Bee Jay Scales
LOCATION: Sunnyside, WA
PROJECT NUMBER: 24CH.67201.00.0024
DRILLING STARTED: 5-23-07 COMPLETED: 5/23/07
INSTALLATION STARTED: COMPLETED:
DRILLING COMPANY: Cascade
DRILLING EQUIPMENT: Beeprobe
DRILLING METHOD: Direct Push
SAMPLING EQUIPMENT: Hand Auger + Probe Sampler

WELL / PROBEHOLE / BOREHOLD NO: VP-12
PAGE: 1 OF 1
NORTHING (ft):
EASTING (ft):
LATITUDE:
LONGITUDE:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft): 10.02"
BOREHOLE DEPTH (ft):
STATIC DTW (ft):
WELL DEPTH (ft):
WELL CASING DIAMETER (in):
BOREHOLE DIAMETER (in):
LOGGED BY: JD
CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
			Gravel 4" thick							
1										
2										
3		ML	Silt (ML) Brown; soft; damp; no HCO no staining; low plasticity			1/1		0	2'	
4										
5										
6										
7		ML	Silt (ML) Brown; soft; low plasticity; damp; trace fine sand 5%; no HCO; no staining.			1/1		0	6	
8										
9										
1130 10	▽	ML	Silt (ML) Brown olive; low plasticity; soft; wet; no HCO; no staining.			4/4		0	10	
12										
1300 14		ML	Silt (ML) olive brown; low plasticity; soft; wet; 30% fine sand; no HCO; no staining			4/4		0	14	
16										
1310 18		SM	Sand (SM) Dark brown; loose; fine grained; moist; 30% silt; no HCO; no staining			4/4		0	18	
20										

TD = 20' bgs
OP-VP-12, 10-0 @ 1220
OP-VP-12, 20-0 @

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PROJECT: Bee Jay Scales
LOCATION: Sunnyside WA
PROJECT NUMBER: 24CH.67201.00.0024
DRILLING STARTED: 5-23.07 COMPLETED: 5-23.07
INSTALLATION STARTED: COMPLETED:
DRILLING COMPANY: Cascade
DRILLING EQUIPMENT: Geoprobe
DRILLING METHOD: Direct Push
SAMPLING EQUIPMENT: Hand Auger + Geoprobe Macrocore

WELL / PROBEHOLE / BOREHOLD NO: VP-13
PAGE: 1 OF 1
NORTHING (ft): EASTING (ft):
LATITUDE: LONGITUDE:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): 10.29' BOREHOLE DEPTH (ft):
STATIC DTW (ft): WELL DEPTH (ft):
WELL CASING DIAMETER (in): BOREHOLE DIAMETER (in):
LOGGED BY: JD CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
1425			Top Soil							
1										
1430 2		ML	Silt (ML) Brown; soft; low plasticity; damp; Fine-medium sand 5%; no HCO no staining.			1/1		0	2	
3										
4										
5										
1433 6		ML	Silt (ML) Dark brown; soft low plasticity; moist; 10% fine sand; no HCO; no staining.			1/1		0	6	
7										
8										
10	▽	ML	Silt (ML) Brown; soft; low plasticity wet; trace sand fine <5%; no HCO no staining.			2/4		0	10	
1430 12										
14		ML	Silt (ML) Dark brown; soft; low plastic; wet; Fine sand 15-20%; no HCO; no stain			4/4		0	14	
16										
18		SM	Sand (SM) very dark brown; loose; fine grain; wet; silt 25%; no HCO no staining.			4/4		0	18	
1520 20										
			TD = 20' bgs							
			OP-VP-013, 20 @ 1615							

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PROJECT: Bee Jay Scales
LOCATION: Sunnyside, WA
PROJECT NUMBER: 24CH.67201.00
DRILLING STARTED: 5-24-07 COMPLETED:
INSTALLATION STARTED: 5-24-07 COMPLETED:
DRILLING COMPANY: Cascade
DRILLING EQUIPMENT: Limited Access ASA
DRILLING METHOD: Auger
SAMPLING EQUIPMENT: Hand Auger + SPT

WELL / PROBEHOLE / BOREHOLD NO: MW-13
PAGE: 1 OF 1
NORTHING (ft):
EASTING (ft):
LATITUDE:
LONGITUDE:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft):
BOREHOLE DEPTH (ft):
STATIC DTW (ft):
WELL DEPTH (ft):
WELL CASING DIAMETER (in):
BOREHOLE DIAMETER (in):
LOGGED BY: JD
CHECKED BY:

TIME & DEPTH (feet)	Graphic Log	USCS	DESCRIPTION: Example: SAND; SP; olive (2.5Y5/4); trace 5% fines; 20-30% fine-grained sand; fine-to-coarse gravel; medium-dense; medium plasticity; stiff; moist; no petroleum hydrocarbon odor; no staining	Sample	Time Sample ID Method	Measured Recovery (feet)	Blow Counts	Headspace PID (units)	Depth (feet)	Well Construction or Borehole Backfill
1020			Asphalt 2" thick Gravel base 6" thick							
1										
1035 2										
3		ML	Silt (ML) Brown; soft; low plasticity; damp; trace fine sand 5%; no HCO no staining.			1/1		0	2	Bentonite
4										
5										
6										
7		ML	Silt (ML) Olive Brown; soft; low plasticity dry; trace fine sand < 5%; no HCO; no stain			1/1		0.6	6	
8			1104 - cleared to 8' w/ vac truck							
1240 10		ML	Silt (ML)							
12										
14		SM	Sand (SM)							
16										
18		ML	Silt (ML)							
20										

TD = 20' bgs
Well ~~[illegible]~~ installed to 20' bgs
Well screened from 5-20' bgs

* 9.75 dtw on 05-25-07 09:25

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APPENDIX B
PHASE III GROUNDWATER SAMPLING FIELD DATA SHEETS

Phase III Remedial Investigation Report
Chevron Environmental Management Company
& BP America, Inc.

24CH.67201.00
October 26, 2007

SECOR

GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 3/27/07 WELL NO. OP-VP-001

FACILITY NAME: Beejay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD + AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: 8.32 FT. or IN.

B. Thickness of Free Product, if present: _____ Inches — FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 12 FT. or IN.

D. Height of Water Column in casing (h = TD - SWL): 3.68 FT. or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.			
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____	=	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____	=	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____	=	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct. (mS/cm)	SWL	Rate (mL/min)
	11:36	–	1.04	334.8	7.22	10.91	113631		200
	11:40	Med-low	1.48	316.1	7.24	10.86	113621		160
	11:44	low	1.42	309.5	7.25	10.96	118803		160
	11:46	low	1.47	307.2	7.25	11.00	120917		160
	11:52	low	1.47	307.5	7.25	11.02	120718		160

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-001, 10'-0	11:00		

COMMENTS:

High Nitrate 150 | low Nitrate > 50

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:

Original Water Column: _____ x 0.80 = --(_____)

Collect sample when Depth to Water measures **Less than or equal to**:

Signature: [signature]

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SECOR

GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 3/27/07 WELL NO. OP-VP-001

FACILITY NAME: Beejay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD + AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static (approximate) Water Level (SWL) below top of casing/piezometer: 8.32 FT. or IN.

B. Thickness of Free Product, if present: _____ Inches _____ FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20' FT. or IN.

D. Height of Water Column in casing (h = TD - SWL): 11.68 FT. or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.			
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____	=	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____	=	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____	=	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO mg/L	ORP	pH	Temp.	µS/cm Conduct.	SWL	mL/min Rate
	13:14	low	6.40	322.3	7.93	12.91	1549		140
	13:19	low	6.39	322.8	7.92	12.94	1505		140
	13:20	low	6.37	323.0	7.93	12.94	1449		140
	13:23	low	6.36	323.4	7.93	12.89	1441		140

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-001, 20'-0	1330		

COMMENTS:

High Nitrate	low Nitrate
600	>50

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = -- (_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: [signature]

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SECOR

GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 3/27/07 WELL NO. OP-VP-002

FACILITY NAME: BeeJay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: AZ + JD WEATHER: _____

FIELD MEASUREMENTS:

A. Static approximate Water Level (SWL) below top of casing/piezometer: 10 FT. or IN.

B. Thickness of Free Product, if present: _____ Inches _____ FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 FT. or IN.

D. Height of Water Column in casing (h = TD - SWL): 10 FT. or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.		
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____ =	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____ =	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____ =	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct. µS/cm	SWL	mL/min Rate
	1456	low	1.84	256.6	7.47	15.78	3764.9		160
	1505	low	2.04	244.5	7.42	14.65	3417.5		128
	1508	low	1.88	247.6	7.37	14.57	3370.2		128
	1511	low	1.63	245.6	7.40	14.53	3345.8		128

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-002, 20'-0	1530		
OP-VP-002, 20'-2	1650		

COMMENTS:

Pumped dry multiple times High - Nitrate: 25 ppm Nitrite -

Poor recharge Low - Nitrate: 5 ppm Nitrite 0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = --(_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: [signature]

SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 3/28/07 WELL NO. OP-VP-003

FACILITY NAME: Beejay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD + AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: 10.80 FT or IN.

B. Thickness of Free Product, if present: _____ Inches — FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 FT or IN.

D. Height of Water Column in casing (h = TD - SWL): 9.20 FT. or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.			
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water_____	=	_____PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water_____	=	_____PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water_____	=	_____PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL	ml/min Rat.
	11 26	Med	1.41	316.0	7.38	15.68	184156		180
	11 30	Med	0.30	252.3	7.15	16.12	184046		180
	11 34	Med	0.29	229.5	7.14	16.05	176074		180
	11 38	Med	0.37	194.4	7.13	15.83	148908		180
	11 42	Med	0.46	184.9	7.14	15.73	138920		180
	11 46	Med	0.48	182.2	7.14	15.70	135230		180

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-003, 20'-0	1200		
OP-VP-003, 20'-1	1230		

COMMENTS:

High Nitrate: 500 Nitrite: —

low Nitrate: >50 Nitrite: 1.0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = --(_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: _____

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SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CA.67201.00 DATE: 3/28/07 WELL NO. OP-VP-004

FACILITY NAME: Beejay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: AZ + JD WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: _____ FT. or IN.

B. Thickness of Free Product, if present: _____ Inches _____ FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 FT. or IN.

D. Height of Water Column in casing (h = TD - SWL): _____ FT. or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.		
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____ =	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____ =	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____ =	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL	ml/min Rate
	1651	low	1.18	249.1	7.34	16.99	10609		200
	1655	low	0.97	232.8	7.35	17.04	10607.6		200
	1658	low	0.90	233.9	7.35	17.02	10621.3		200
	1700	low	0.90	238.3	7.34	16.98	10599.0		200

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-004, 20'-0	1700		
OP-VP-004, 20'-2	1800		

COMMENTS:

High Nitrate Strip : 250 Nitrite -

Low : >50 Nitrate: 1.0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = _____ (_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: [signature]

ED_002369M_00000162-00070

SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 3/28/07 WELL NO. OP-VP-005

FACILITY NAME: Beejay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD & AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: approximate 9 (FT.) or IN.

B. Thickness of Free Product, if present: _____ Inches — FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 (FT.) or IN.

D. Height of Water Column in casing (h = TD - SWL): 11 (FT.) or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.			
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____	=	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____	=	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____	=	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL	mL/min Rate
	845	—	2.93	250.2	7.14	12.67	311.95		80
	849	—	3.30	267.6	7.21	12.13	308.76		80
	853	—	3.47	281.0	7.20	12.01	307.82		80
	857	—	3.50	281.5	7.20	12.00	306.43		80

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-005, 20'-0	900		

COMMENTS:

High - Nitrate: <10 Nitrite: —

Low - Nitrate: 1.0 Nitrite: 0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = _____ (_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: [signature]

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SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 3/27/07 WELL NO. OP-VP-006

FACILITY NAME: Bee Jay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: approximate 11 (FT.) or IN.

B. Thickness of Free Product, if present: _____ Inches _____ FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 12 (FT.) or IN.

D. Height of Water Column in casing (h = TD - SWL): ? FT. or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.			
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____	=	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____	=	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____	=	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL	mL/min Rate
	1253	-	1.07	281.7	6.98	15.14	182433		120
	1257	-	1.02	287.9	6.95	15.33	184876		
	1301	-	0.87	287.7	6.92	14.88	185461		
	1305	-	0.87	290.9	6.91	15.22	190237		
	1309	-	0.86	283.6	6.90	15.09	189322		
	1313	-	0.82	284.0	6.89	15.24	190646		

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-006, 10'-0	1320		

COMMENTS:

High - Nitrate: 500 Nitrite: -

Low - Nitrate: 50 Nitrite: 0.15

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = --(_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: [signature]

SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 3/27/07 WELL NO. OP-VP-006

FACILITY NAME: BeeJay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: AZ & JD WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: approximate 11 (FT.) or IN.

B. Thickness of Free Product, if present: _____ Inches _____ FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 (FT.) or IN.

D. Height of Water Column in casing (h = TD - SWL): 9 (FT.) or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.			
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water_____	=	_____PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water_____	=	_____PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water_____	=	_____PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL	mL/min Rate
	1443	-	0.48	236.2	7.15	23.93	268834		280
	1447	-	0.15	169.7	7.02	16.88	293232		220
	1451	-	0.10	176.2	6.98	16.60	295805		220
	1455	-	0.09	169.4	6.98	16.61	294302		220
	1459	-	0.09	168.2	6.98	16.60	293201		220

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-006,20'-0	1540		

COMMENTS:

High - Nitrate: 500 Low - Nitrate: >50

Nitrite: - Nitrite: 2.0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:

Original Water Column: _____ x 0.80 = -(_____)

Collect sample when Depth to Water measures **Less than or equal to**:

Signature: [signature]

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SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 3/29/07 WELL NO. OP-VP-008

FACILITY NAME: Bee Jay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: AZ + JD WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: approximate 8 (FT. or IN.)

B. Thickness of Free Product, if present: _____ Inches _____ FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 12 (FT. or IN.)

D. Height of Water Column in casing (h = TD - SWL): 4 (FT. or IN.)

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.		
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water_____ =	_____PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water_____ =	_____PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water_____ =	_____PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL	mL/min Rate
	812	Low-Med	1.23	254.1	7.02	9.09	737.31		200
	817	Low	1.26	242.3	6.99	9.36	739.19		
	821	Low	1.16	239.2	6.99	9.95	736.45		
	825	Low	1.28	247.0	6.99	10.21	735.71		
	829	Low	1.27	254.0	6.99	10.24	734.90		

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-008, 10'-0	0830		

COMMENTS:

High - Nitrate: 25 Low: Nitrate: 3

Nitrite: - Nitrite: 0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:

Original Water Column: _____ x 0.80 = -- (_____)

Collect sample when Depth to Water measures

Less than or equal to:

Signature: _____

SECOR

GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 3/29/07 WELL NO. OP-VP-008

FACILITY NAME: Bee Jay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: AZ & JD WEATHER: _____

FIELD MEASUREMENTS:

A. approximate Static Water Level (SWL) below top of casing/piezometer: 8 FT. or IN.

B. Thickness of Free Product, if present: _____ Inches — FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 FT. or IN.

D. Height of Water Column in casing (h = TD - SWL): 12 FT. or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.			
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____	=	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____	=	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____	=	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL	mL/min Rate
	0930	low	1.96	233.9	7.06	11.42	80820		100
	0933	low	1.50	175.4	7.11	11.49	82170		
	0937	low	1.43	156.0	7.12	11.36	80249		
	0940	low	1.41	148.6	7.11	11.45	784.94		
	0943	low	1.39	142.2	7.11	11.54	773.48		

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-008, 20'-0	1000		
OP-VP-008, 20'-2	1010		

COMMENTS:

High: Nitrate: 50 Low - Nitrate: 3

Nitrite: — Nitrite: 0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:

Original Water Column: _____ x 0.80 = --(_____)

Collect sample when Depth to Water measures

Less than or equal to:

Signature: _____

SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 3/29/07 WELL NO. OP-VP-009

FACILITY NAME: BeeJay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: AZ & JD WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: approximate 8.5 FT. or IN.

B. Thickness of Free Product, if present: _____ Inches _____ FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 FT. or IN.

D. Height of Water Column in casing (h = TD - SWL): _____ FT. or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.			
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____	=	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____	=	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____	=	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL	ml/min Rate
	1219	Med	1.00	14.7	7.33	18.65	156758		130
	1223	low	0.29	19.0	7.17	18.80	158010		↓
	1227	low	0.31	19.9	7.14	18.85	157700		
	1231	low	0.31	19.4	7.13	18.84	158337		
	1235	low	0.32	19.6	7.13	18.81	157935		

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-009, 20'-0	1300		

COMMENTS: High - Nitrate: 10 Low - Nitrate: 2 Possible
Nitrite: - Nitrite: 0.15 product encountered

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = --(_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: [signature]

SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00.0024 DATE: 5-22-07 WELL NO. OP-VP-010

FACILITY NAME: Bee Jay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD/AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: 8 FT. or IN.

B. Thickness of Free Product, if present: _____ Inches — FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 10 FT. or IN.

D. Height of Water Column in casing (h = TD - SWL): 2 FT. or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.		
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____ =	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____ =	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____ =	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL
	1250		5.53	112.5	6.23	20.01	1510	
	1254		4.52	82.8	6.12	19.45	1470	
	1258		4.01	71.2	6.08	19.38	1463	
	1301		3.58	60.2	6.05	19.33	1459	
	1303		3.37	59.8	6.02	19.32	1448	
	1307		3.53	58.6	6.02	19.30	1447	8.50'

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-010, 10'-0	1315	See COC	See COC

COMMENTS:

Nitrate H: 50 Nitrate L: 10

Nitrite H: + Nitrite L: 0.3

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = --(_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: [signature]

SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00.0024 DATE: 5-22-07 WELL NO. OP-VP-010

FACILITY NAME: Bee Jay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD/AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: 18.21 (FT.) or IN.

B. Thickness of Free Product, if present: _____ Inches — FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 (FT.) or IN.

D. Height of Water Column in casing (h = TD - SWL): 1.79 (FT.) or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.		
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water_____ =	_____PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water_____ =	_____PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water_____ =	_____PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL
	1449		6.21	60.9	6.22	25.87	1192	
	1452		7.11	64.4	5.96	22.84	1147	
	1455		6.79	64.2	5.95	21.65	1089	
	1458		6.08	60.4	6.09	23.06	1104	
	1501		5.94	56.5	6.17	23.52	1115	18.21

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-010,20-0	15:15	See COC	See COC
OP-VP-010,20-2	16:05	See COC	See COC

COMMENTS:

Nitrate H: 25 Nitrate L: 3

Nitrite H: - Nitrite L: 0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:

Original Water Column: _____ x 0.80 = -- (_____)

Collect sample when Depth to Water measures **Less than or equal to**:

Signature: [signature]

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SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00.0024 DATE: 5-22-07 WELL NO. OP-VP-011

FACILITY NAME: BeeJay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD/AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: 9.73 FT or IN.

B. Thickness of Free Product, if present: _____ Inches — FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 10 FT or IN.

D. Height of Water Column in casing (h = TD - SWL): 0.27 FT or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.		
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____ =	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____ =	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____ =	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL
	753		4.05	111.1	6.65	14.74	6376	
	757		3.43	111.5	6.70	14.79	6389	
	801		3.30	109.7	6.70	14.62	6348	
	804		3.50	108.4	6.70	14.52	6322	
	808		3.53	109.0	6.69	14.43	6303	9.73

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-011,10-0	820	See COC	See COC

COMMENTS:

Nitrate H: 400 Nitrate L: 50

Nitrite H: + Nitrite L: >3.0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = -- ( )
Collect sample when Depth to Water measures
Less than or equal to:

Signature: [signature]

SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00.0024 DATE: 5/22/07 WELL NO. OP-VP-011

FACILITY NAME: BeeJay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD/AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: 11.7 (FT) or IN.

B. Thickness of Free Product, if present: _____ Inches — FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 (FT) or IN.

D. Height of Water Column in casing (h = TD - SWL): 8.3 (FT) or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.			
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water _____	=	_____ PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water _____	=	_____ PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water _____	=	_____ PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL
	937		1.47	118.1	6.71	16.56	5538	
	941		1.36	119.6	6.70	16.42	5264	
	945		1.07	117.6	6.67	16.12	5147	
	949		.89	118.4	6.68	16.21	5097	
	953		.77	120.7	6.67	16.22	5076	11.70

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-011,20-0	10:20	See COC	See COC
OP-VP-011,20-1	10:20	See COC	See COC

COMMENTS:

Nitrate H: 400 Nitrate L: 50

Nitrite H: + Nitrite L: 73.0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = --(_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: Justin

SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00 DATE: 5/23/07 WELL NO. OP-VP-012

FACILITY NAME: BeeJay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD/AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: 10.95' (FT.) or IN.

B. Thickness of Free Product, if present: _____ Inches _____ FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 10 (FT.) or IN.

D. Height of Water Column in casing (h = TD - SWL): — FT. or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.		
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water_____ =	_____PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water_____ =	_____PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water_____ =	_____PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL
	1143		1.76	85.1	6.19	18.03	24.88	
	1147		1.01	88.7	6.24	17.27	2414	
	1151		0.99	92.7	6.21	17.01	2343	
	1155		2.37	97.0	6.31	17.98	2406	
	1159		3.17	99.1	6.32	18.00	2412	

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-012, 10-0	1220	See COC	See COC

COMMENTS:

Nitrate H: 250 Nitrate H: >50

Nitrate H: — Nitrate L: 0.3

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = --(_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: [signature]

SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH.67201.00.0024 DATE: 5/23/07 WELL NO. OP-VP-012

FACILITY NAME: BreeJay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD/AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: 10.90 (FT.) or IN.

B. Thickness of Free Product, if present: _____ Inches — FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 (FT.) or IN.

D. Height of Water Column in casing (h = TD - SWL): 9.10 (FT.) or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.			
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water_____	=	_____PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water_____	=	_____PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water_____	=	_____PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL
	1321		1.89	96.8	6.83	20.76	1625	
	1325		1.11	89.2	6.82	20.43	1581	
	1329		.83	92.5	6.77	20.27	1573	
	1333		.73	95.4	6.75	20.19	1559	
	1337		.64	99.1	6.69	19.74	1538	
	1341		.58	87.9	6.65	19.38	1516	10.90'

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-012,20-0	1350	See COC	See COC

COMMENTS:

Nitrate High: 30 Nitrate L: 3

Nitrite H: – Nitrite L: 0

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:
Original Water Column: _____ x 0.80 = --(_____)
Collect sample when Depth to Water measures
Less than or equal to:

Signature: _____

SECOR
GROUNDWATER SAMPLING FIELD DATA SHEET

SECOR Project No.: 24CH, 67201.00.0024 DATE: 5-23-07 WELL NO. OP-VP-013

FACILITY NAME: Bee Jay Scales TEMPERATURE: _____ °F or °C

FIELD PERSONNEL: JD/AZ WEATHER: _____

FIELD MEASUREMENTS:

A. Static Water Level (SWL) below top of casing/piezometer: 9.3 (FT.) or IN.

B. Thickness of Free Product, if present: _____ Inches — FT. or IN.

C. Total Depth of well (TD) from top of casing/piezometer: 20 (FT.) or IN.

D. Height of Water Column in casing (h = TD - SWL): 10.7 (FT.) or IN.

E. **Useful approximate Purge Volumes (PV) per foot of water column for common casing sizes:**

	3 Well Vols.	5 Well Vols.		
2" Diameter =	0.5 gals/ft	0.82 gals/ft	x feet of water_____ =	_____PV (Gal)
4" Diameter =	2.0 gals/ft	3.25 gals/ft	x feet of water_____ =	_____PV (Gal)
6" Diameter =	4.4 gals/ft	7.35 gals/ft	x feet of water_____ =	_____PV (Gal)

PURGING METHOD: _____ DURATION: _____

OBSERVATIONS:

Cum. PV (Gal)	Time	Turbidity	DO	ORP	pH	Temp.	Conduct.	SWL
	1526		2.65	128.5	6.88	19.92	2863	
	1530		.99	126.7	6.86	19.60	2829	
	1534		.97	129.3	6.83	19.89	2855	
	1538		1.00	130.0	6.78	19.55	2836	
	1602		1.01	130.1	6.78	19.58	2842	9.3'

TOTAL VOLUME OF WATER PURGED FROM WELL: _____

PURGE WATER STORED/DISPOSED OF WHERE/HOW: _____

SAMPLES COLLECTED: Depth to Water at time of sample collection: _____

Sample Number(s)	Time	Size/Number of Container(s)	Preservative
OP-VP-013,20-0	1615	See COC	See COC

COMMENTS:

Nitrate High: 100 Nitrate Low: 10

Nitrite High: - Nitrite Low: 0.15

Could not collect sample @ 10' due to low recharge and high silt.

Casing Capacities:
2-inch hole.....0.16 gal/lin ft.
4-inch hole.....0.65 gal/lin ft.
6.5-inch hole.....1.70 gal/lin ft.
8-inch hole.....2.60 gal/lin ft.
10-inch hole.....4.10 gal/lin ft.

Recharge Calculation at Time of Sample Collection:

Total Depth of Well:

Original Water Column: _____ x 0.80 = --(_____)

Collect sample when Depth to Water measures **Less than or equal to**:

Signature: [signature]

APPENDIX C
DISPOSAL CERTIFICATION

Phase III Remedial Investigation Report
Chevron Environmental Management Company
& BP America, Inc.

24CH.67201.00
October 26, 2007

WASTE MANAGEMENT

October 4, 2007

Bee Jay Scales
116 North 1st Street
Sunnyside, Washington 98944

CERTIFICATE OF DISPOSAL

Waste Management, Inc. dba Hillsboro Landfill has received NON HAZARDOUS Waste material from Bee Jay Scales.

Dates of Disposal:	9/5/07
Ticket Numbers:	1090862
Profile #:	101458OR
Total Tons:	3.02
Waste Type:	IDW Soil

I certify, on behalf of the above listed facility, that the above-described non hazardous waste was managed in compliance with all applicable laws.

Kristin Castner
Waste Approvals Manager

Hillsboro Landfill, Inc.

3205 SE MINTER BRIDGE ROAD HILLSBORO, OR 97123

PERMIT # 101458OR

Tracking Number 11148

PERMIT TO DISPOSE OF NON-HAZARDOUS MATERIALS

This permit authorizes disposal of Customer's waste materials in accordance with the Industrial Waste & Disposal Services Agreement dated __*9/03*_____.

EXPIRES: 11/24/07

GENERATOR: BEE JAY SCALES

DESCRIPTION:*IDW SOIL*	**TONS:***10*
☐**SPECIAL WASTE** ☒**CS** ☐**C&D** ☐**CLEAN-UP**	
LOCATION: *SUNNYSIDE, WASHINGTON* *116 N. FIRST STREET*	**COUNTY:*** *Benton - not in metro*
CONTACT: *JUSTIN DAUPHINAIS*	**PHONE:** *503-691-2030*
	FAX: *503-692-7074*

BILLING:*Landfill account SECOR INTERNATIONAL*	**PO#:** *N/A*	**JOB#:** *N/A*

We accept business checks, cash, VISA / Mastercard or charge(with prior approval)

SPECIAL HANDLING : ***NONE:***

MK **TyT**

APPROVED: ***KRISTIN CASTNER*** DATE: ***10/04/07 3:46:18 PM***

A COPY OF THIS PERMIT MUST BE SHOWN BY EACH DRIVER

THERE IS A MINIMUM CHARGE OF $50-$60 FOR EACH LOAD OF SPECIAL WASTE

WASTE MANAGEMENT

HAZARDOUS WASTE IS STRICTLY PROHIBITED

APPENDIX D
PHASE III ANALYTICAL LABORATORY REPORTS

Phase III Remedial Investigation Report
Chevron Environmental Management Company
& BP America, Inc.

24CH.67201.00
October 26, 2007

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

REVISED

ANALYTICAL RESULTS

Prepared for:

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

517-349-9499

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1031181. Samples arrived at the laboratory on Wednesday, March 28, 2007. The PO# for this group is 24CH.67201.00.0022 and the release number is BEE-JAY SCALES.

Client Description	Lancaster Labs Number
OP-VP-001,10-0 Grab Water Sample	5015587
OP-VP-001,20-0 Grab Water Sample	5015588
TB-1 Water Sample	5015589

ELECTRONIC COPY TO SECOR International, Inc. Attn: Marisa Patterson

Lancaster Laboratories

Analysis Report

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REVISED

Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,

Robert Heisey

Robert Heisey
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5015587

OP-VP-001,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 11:00 by JD

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	4.38	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.202	0.0050	mg/l	1
00200	pH	n.a.	7.6	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	843.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	27.0	1.0	mg/l	10
00224	Chloride	16887-00-6	74.7	20.0	mg/l	50
00345	Total Phosphorus as PO4 water	14265-44-2	7.5	1.6	mg/l	5
01125	Sulfate (turbidimetric)	14808-79-8	112.	50.0	mg/l	10
06914	Ammonia-Nitrogen	7664-41-7	40.1	1.0	mg/l	10
01856	Herbicides in Water					
01857	2,4-D	94-75-7	15.	5.0	ug/l	10
01858	2,4,5-TP	93-72-1	< 0.050	0.050	ug/l	1
05286	2,4,5-T	93-76-5	< 0.050	0.050	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.50	0.50	ug/l	1
05289	Dicamba	1918-00-9	< 0.30	0.30	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 990.	990.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.50	0.50	ug/l	1
05293	2,4-DB	94-82-6	< 0.99	0.99	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.050	0.050	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5015587

OP-VP-001,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 11:00 by JD

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	9.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5015587

OP-VP-001,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 11:00 by JD

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/05/2007 23:17	John P Hook	1
07035	Arsenic	SW-846 6010B	1	04/05/2007 23:17	John P Hook	1
07058	Manganese	SW-846 6010B	1	04/05/2007 23:17	John P Hook	1
00200	pH	EPA 150.1	1	03/29/2007 21:45	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	03/31/2007 06:31	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	03/31/2007 06:31	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/28/2007 21:15	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	03/29/2007 20:40	Venia B McFadden	10
00224	Chloride	EPA 300.0	1	04/05/2007 04:43	Ashley M Heckman	50
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/12/2007 17:55	Courtney A Shoff	5
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/05/2007 13:25	Susan A Engle	10
06914	Ammonia-Nitrogen	EPA 350.3	1	03/29/2007 11:45	Michele L Graham	10
01856	Herbicides in Water	SW-846 8151A	1	04/03/2007 21:04	Michele D Hamilton	10
01856	Herbicides in Water	SW-846 8151A	1	04/03/2007 21:33	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	03/30/2007 17:36	Daniel H Heller	1

Lancaster Laboratories

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Analysis Report

REVISED

Lancaster Laboratories Sample No. WW 5015587

OP-VP-001,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 11:00 by JD

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP110

08202	EPA SW 846/8260 - Water	SW-846 8260B	1	03/30/2007 17:36	Daniel H Heller	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	03/30/2007 06:00	Joseph S Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/30/2007 17:36	Daniel H Heller	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 07:45	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/12/2007 10:40	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5015588

OP-VP-001, 20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected: 03/27/2007 13:30 by JD

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	11.1	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.546	0.0050	mg/l	1
00200	pH	n.a.	7.5	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	342.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	324.	10.0	mg/l	100
00224	Chloride	16887-00-6	113.	20.0	mg/l	50
00345	Total Phosphorus as PO4 water	14265-44-2	2.5	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	336.	100.	mg/l	20
06914	Ammonia-Nitrogen	7664-41-7	186.	2.0	mg/l	20
01856	Herbicides in Water					
01857	2,4-D	94-75-7	0.79	0.49	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.049	0.049	ug/l	1
05286	2,4,5-T	93-76-5	< 0.049	0.049	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	7.0	4.9	ug/l	10
05289	Dicamba	1918-00-9	< 0.30	0.30	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 990.	990.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.49	0.49	ug/l	1
05293	2,4-DB	94-82-6	< 0.99	0.99	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.049	0.049	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5015588

OP-VP-001, 20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected: 03/27/2007 13:30 by JD

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	27.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5015588

OP-VP-001, 20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected: 03/27/2007 13:30 by JD

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/05/2007 23:22	John P Hook	1
07035	Arsenic	SW-846 6010B	1	04/05/2007 23:22	John P Hook	1
07058	Manganese	SW-846 6010B	1	04/05/2007 23:22	John P Hook	1
00200	pH	EPA 150.1	1	03/29/2007 21:45	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	03/31/2007 06:31	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	03/31/2007 06:31	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/28/2007 21:16	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	03/29/2007 20:05	Venia B McFadden	100
00224	Chloride	EPA 300.0	1	04/05/2007 05:35	Ashley M Heckman	50
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/12/2007 17:56	Courtney A Shoff	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/05/2007 13:25	Susan A Engle	20
06914	Ammonia-Nitrogen	EPA 350.3	1	03/29/2007 11:45	Michele L Graham	20
01856	Herbicides in Water	SW-846 8151A	1	04/03/2007 22:01	Michele D Hamilton	10
01856	Herbicides in Water	SW-846 8151A	1	04/03/2007 22:29	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	03/30/2007 17:58	Daniel H Heller	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5015588

OP-VP-001, 20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected: 03/27/2007 13:30 by JD

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

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Okemos MI 48864

VP120

08202	EPA SW846/8260 - Water	SW-846 8260B	1	03/30/2007 17:58	Daniel H Heller	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	03/30/2007 06:00	Joseph S Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/30/2007 17:58	Daniel H Heller	1
05705	WW TL SW846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 07:45	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/12/2007 10:40	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5015589

TB-1 Water Sample

Bee Jay Scales Site/67201
Collected: 03/27/2007

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP1TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5015589

TB-1 Water Sample

Bee Jay Scales Site/67201
Collected: 03/27/2007

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP1TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5015589

TB-1 Water Sample

Bee Jay Scales Site/67201
Collected: 03/27/2007

Account Number: 11842

Submitted: 03/28/2007 09:15
Reported: 04/25/2007 at 08:28
Discard: 05/26/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP1TB

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	03/30/2007 17:14	Daniel H Heller	1
08202	EPA SW846/8260 - Water	SW-846 8260B	1	03/30/2007 17:14	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/30/2007 17:14	Daniel H Heller	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc.
Reported: 04/25/07 at 08:28 AM

Group Number: 1031181

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07087105103A	Sample number(s): 5015587-5015588							
Nitrite Nitrogen	< 0.050	0.050	mg/l	93		90-110		
Batch number: 070880013A	Sample number(s): 5015587-5015588							
2,4-D	< 0.50	0.50	ug/l	96	88	50-144	9	30
2,4,5-TP	< 0.050	0.050	ug/l	92	84	52-140	9	30
2,4,5-T	< 0.050	0.050	ug/l	104	96	39-143	8	30
Dalapon	< 1.3	1.3	ug/l	56	49	31-113	12	30
Dinoseb	< 0.50	0.50	ug/l	56	53	19-96	4	30
Dicamba	< 0.30	0.30	ug/l	84	72	59-134	15	30
MCPP	< 200.	200.	ug/l	80	72	42-126	11	30
MCPA	< 1,000.	1,000.	ug/l	62	56	16-139	10	30
2,4-DP (Dichlorprop)	< 0.50	0.50	ug/l	112	96	76-127	15	30
2,4-DB	< 1.0	1.0	ug/l	92	92	41-163	0	30
Pentachlorophenol	< 0.050	0.050	ug/l	92	78	61-121	16	30
Batch number: 07088020001A	Sample number(s): 5015587-5015588							
pH				100		99-101		
Batch number: 07088106101A	Sample number(s): 5015588							
Nitrate Nitrogen	< 0.10	0.10	mg/l	96		90-110		
Batch number: 07088106102B	Sample number(s): 5015587							
Nitrate Nitrogen	< 0.10	0.10	mg/l	97		90-110		
Batch number: 07088691402A	Sample number(s): 5015587-5015588							
Ammonia-Nitrogen	< 0.10	0.10	mg/l	101		90-110		
Batch number: 070895705006	Sample number(s): 5015587-5015588							
Iron	< 0.200	0.200	mg/l	100		90-112		
Arsenic	< 0.0200	0.0200	mg/l	107		90-119		
Manganese	< 0.0050	0.0050	mg/l	103		90-110		
Batch number: 07090020201A	Sample number(s): 5015587-5015588							
Alkalinity to pH 4.5				101		98-103		
Batch number: 07094196602A	Sample number(s): 5015587-5015588							
Chloride	< 0.40	0.40	mg/l	106		90-110		
Batch number: 07095112501A	Sample number(s): 5015587-5015588							
Sulfate (turbidimetric)	< 5.0	5.0	mg/l	106		90-110		
Batch number: 07102110101A	Sample number(s): 5015587-5015588							
Total Phosphorus as PO4 water	< 0.31	0.31	mg/l	99		90-110		
Batch number: Y070891AA	Sample number(s): 5015587-5015589							
Methyl Tertiary Butyl Ether	< 5.	5.	ug/l	96	97	73-119	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031181
Reported: 04/25/07 at 08:28 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethyl ether	< 5.	5.	ug/l	97	98	30-148	1	30
Tetrahydrofuran	< 10.	10.	ug/l	96	96	65-130	0	30
Dichlorodifluoromethane	< 5.	5.	ug/l	99	97	26-157	3	30
Chloromethane	< 5.	5.	ug/l	110	109	47-132	0	30
Vinyl Chloride	< 5.	5.	ug/l	103	98	54-123	6	30
Bromomethane	< 5.	5.	ug/l	91	91	47-129	0	30
Chloroethane	< 5.	5.	ug/l	101	101	57-125	0	30
Trichlorofluoromethane	< 5.	5.	ug/l	97	95	57-141	2	30
1,1-Dichloroethene	< 5.	5.	ug/l	102	99	76-122	3	30
Methylene Chloride	< 5.	5.	ug/l	99	100	85-120	1	30
trans-1,2-Dichloroethene	< 5.	5.	ug/l	102	99	83-117	3	30
1,1-Dichloroethane	< 5.	5.	ug/l	107	108	83-127	0	30
cis-1,2-Dichloroethene	< 5.	5.	ug/l	101	99	84-117	2	30
Chloroform	< 5.	5.	ug/l	101	100	86-124	1	30
Bromochloromethane	< 5.	5.	ug/l	98	99	83-121	1	30
1,1,1-Trichloroethane	< 5.	5.	ug/l	101	100	83-127	1	30
Carbon Tetrachloride	< 5.	5.	ug/l	101	98	77-130	4	30
Benzene	< 5.	5.	ug/l	103	102	78-119	1	30
1,2-Dichloroethane	< 5.	5.	ug/l	108	105	77-132	3	30
Trichloroethene	< 5.	5.	ug/l	100	98	87-117	2	30
1,2-Dichloropropane	< 5.	5.	ug/l	110	109	80-117	1	30
Dibromomethane	< 5.	5.	ug/l	101	103	87-117	2	30
Bromodichloromethane	< 5.	5.	ug/l	105	103	83-121	2	30
Toluene	< 5.	5.	ug/l	99	97	85-115	2	30
1,1,2-Trichloroethane	< 5.	5.	ug/l	98	100	86-113	2	30
Tetrachloroethene	< 5.	5.	ug/l	97	94	74-125	2	30
Dibromochloromethane	< 5.	5.	ug/l	102	102	78-119	0	30
1,2-Dibromoethane	< 5.	5.	ug/l	98	99	81-114	1	30
Chlorobenzene	< 5.	5.	ug/l	97	98	85-115	0	30
1,1,1,2-Tetrachloroethane	< 5.	5.	ug/l	95	96	83-114	0	30
Ethylbenzene	< 5.	5.	ug/l	97	96	82-119	1	30
m+p-Xylene	< 5.	5.	ug/l	94	94	83-113	1	30
o-Xylene	< 5.	5.	ug/l	93	95	83-113	1	30
Styrene	< 5.	5.	ug/l	90	91	82-111	2	30
Bromoform	< 5.	5.	ug/l	95	95	69-118	1	30
Isopropylbenzene	< 5.	5.	ug/l	93	92	80-120	2	30
1,1,2,2-Tetrachloroethane	< 5.	5.	ug/l	97	99	72-119	2	30
Bromobenzene	< 5.	5.	ug/l	93	96	82-110	2	30
1,2,3-Trichloropropane	< 5.	5.	ug/l	95	102	78-117	6	30
n-Propylbenzene	< 5.	5.	ug/l	96	97	78-119	1	30
1,3,5-Trimethylbenzene	< 5.	5.	ug/l	91	92	78-116	1	30
tert-Butylbenzene	< 5.	5.	ug/l	92	93	74-114	1	30
1,2,4-Trimethylbenzene	< 5.	5.	ug/l	92	95	78-117	3	30
sec-Butylbenzene	< 5.	5.	ug/l	92	93	72-120	1	30
p-Isopropyltoluene	< 5.	5.	ug/l	92	93	72-118	1	30
1,3-Dichlorobenzene	< 5.	5.	ug/l	92	95	81-114	3	30
1,4-Dichlorobenzene	< 5.	5.	ug/l	92	93	84-116	1	30
n-Butylbenzene	< 5.	5.	ug/l	92	92	75-120	1	30
1,2-Dichlorobenzene	< 5.	5.	ug/l	93	92	81-112	0	30
1,2-Dibromo-3-chloropropane	< 5.	5.	ug/l	91	94	62-128	3	30
1,2,4-Trichlorobenzene	< 5.	5.	ug/l	88	91	65-114	3	30
Naphthalene	< 5.	5.	ug/l	86	89	61-116	4	30
1,2,3-Trichlorobenzene	< 5.	5.	ug/l	87	91	67-114	4	30
Acetone	< 20.	20.	ug/l	156	161	32-200	3	30
Carbon Disulfide	< 5.	5.	ug/l	103	101	69-119	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031181
Reported: 04/25/07 at 08:28 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Butanone	< 10.	10.	ug/l	129	134	52-163	4	30
trans-1,3-Dichloropropene	< 5.	5.	ug/l	97	97	79-114	1	30
cis-1,3-Dichloropropene	< 5.	5.	ug/l	101	102	78-114	1	30
4-Methyl-2-pentanone	< 10.	10.	ug/l	115	114	70-130	1	30
2-Hexanone	< 10.	10.	ug/l	116	119	61-140	2	30
Methyl Iodide	< 5.	5.	ug/l	97	96	70-116	1	30
Acrylonitrile	< 20.	20.	ug/l	102	101	67-128	1	30
trans-1,4-Dichloro-2-butene	< 50.	50.	ug/l	97	101	49-135	5	30
2-Methylnaphthalene	< 5.	5.	ug/l	70	75	25-133	6	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07087105103A	Sample number(s): 5015587-5015588 UNSPK: P015561 BKG: P015561								
Nitrite Nitrogen	92		90-110			< 0.050	< 0.050	0 (1)	20
Batch number: 07088020001A	Sample number(s): 5015587-5015588 BKG: P015558								
pH						8.4	8.4	0	1
Batch number: 07088106101A	Sample number(s): 5015588 UNSPK: P009168 BKG: P009168								
Nitrate Nitrogen	80*		90-110			27.8	27.8	0	2
Batch number: 07088106102B	Sample number(s): 5015587 UNSPK: P011227 BKG: P011227								
Nitrate Nitrogen	93		90-110			< 0.10	< 0.10	0 (1)	2
Batch number: 07088691402A	Sample number(s): 5015587-5015588 UNSPK: P009708 BKG: P009708								
Ammonia-Nitrogen	96	98	24-164	1	9	17.2	16.2	6	12
Batch number: 070895705006	Sample number(s): 5015587-5015588 UNSPK: P013011 BKG: P013011								
Iron	110	107	75-125	2	20	0.763	0.783	3 (1)	20
Arsenic	121	115	75-125	4	20	0.0826	0.0878	6 (1)	20
Manganese	107	107	75-125	0	20	0.314	0.323	3	20
Batch number: 07090020201A	Sample number(s): 5015587-5015588 UNSPK: P013529 BKG: P013529								
Alkalinity to pH 8.3						< 2.0	< 2.0	0 (1)	4
Alkalinity to pH 4.5	101	103	64-130	1	2	194.	199.	2	4
Batch number: 07094196602A	Sample number(s): 5015587-5015588 UNSPK: P016537 BKG: P016537								
Chloride	106		90-110			2.2	< 2.0	21* (1)	3
Batch number: 07095112501A	Sample number(s): 5015587-5015588 UNSPK: P021798 BKG: P021798								
Sulfate (turbidimetric)	103	105	66-134	1	6	20.9	21.3	2 (1)	4
Batch number: 07102110101A	Sample number(s): 5015587-5015588 UNSPK: 5015588 BKG: 5015588								
Total Phosphorus as PO4 water	87*		90-110			2.5	1.8	37*	3
Batch number: Y070891AA	Sample number(s): 5015587-5015589 UNSPK: P016354								
Methyl Tertiary Butyl Ether	97		69-127						
Ethyl ether	96		31-154						

*- Outside of specification
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(2) The background result was more than four times the spike added.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031181
Reported: 04/25/07 at 08:28 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Tetrahydrofuran	91		53-138						
Dichlorodifluoromethane	126		31-185						
Chloromethane	120		46-149						
Vinyl Chloride	115		54-143						
Bromomethane	99		52-141						
Chloroethane	108		56-140						
Trichlorofluoromethane	117		64-165						
1,1-Dichloroethene	110		87-145						
Methylene Chloride	103		79-133						
trans-1,2-Dichloroethene	106		82-133						
1,1-Dichloroethane	107		85-135						
cis-1,2-Dichloroethene	102		83-126						
Chloroform	103		83-139						
Bromochloromethane	95		82-129						
1,1,1-Trichloroethane	107		81-142						
Carbon Tetrachloride	108		82-149						
Benzene	105		83-128						
1,2-Dichloroethane	106		70-143						
Trichloroethene	106		83-136						
1,2-Dichloropropane	111		83-129						
Dibromomethane	99		82-128						
Bromodichloromethane	104		80-129						
Toluene	99		83-127						
1,1,2-Trichloroethane	96		77-125						
Tetrachloroethene	(2)		78-133						
Dibromochloromethane	100		82-119						
1,2-Dibromoethane	96		78-120						
Chlorobenzene	99		83-120						
1,1,1,2-Tetrachloroethane	93		83-119						
Ethylbenzene	97		82-129						
m+p-Xylene	95		82-130						
o-Xylene	95		82-130						
Styrene	90		69-131						
Bromoform	91		64-119						
Isopropylbenzene	95		81-130						
1,1,2,2-Tetrachloroethane	94		73-121						
Bromobenzene	92		83-121						
1,2,3-Trichloropropane	96		73-125						
n-Propylbenzene	99		74-138						
1,3,5-Trimethylbenzene	92		77-124						
tert-Butylbenzene	96		76-128						
1,2,4-Trimethylbenzene	93		80-125						
sec-Butylbenzene	98		73-137						
p-Isopropyltoluene	95		72-128						
1,3-Dichlorobenzene	92		79-123						
1,4-Dichlorobenzene	91		81-122						
n-Butylbenzene	95		73-134						
1,2-Dichlorobenzene	92		82-117						
1,2-Dibromo-3-chloropropane	92		52-137						
1,2,4-Trichlorobenzene	88		60-121						
Naphthalene	85		50-124						
1,2,3-Trichlorobenzene	87		65-127						
Acetone	101		48-143						

*- Outside of specification
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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031181
Reported: 04/25/07 at 08:28 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Carbon Disulfide	106		74-135						
2-Butanone	111		57-137						
trans-1,3-Dichloropropene	94		77-123						
cis-1,3-Dichloropropene	101		80-126						
4-Methyl-2-pentanone	111		68-133						
2-Hexanone	107		60-135						
Methyl Iodide	99		72-128						
Acrylonitrile	101		63-132						
trans-1,4-Dichloro-2-butene	97		37-141						
2-Methylnaphthalene	72		26-134						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Herbicides in Water
Batch number: 070880013A

	2,4-Dichlorophenylacetic acid
5015587	101
5015588	99
Blank	87
LCS	98
LCSD	85
Limits:	31-137

Analysis Name: EPA SW846/8260 (water)
Batch number: Y070891AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5015587	94	91	93	92
5015588	95	91	93	93
5015589	94	92	93	92
Blank	94	88	94	93
LCS	95	92	94	94
LCSD	95	89	95	94
MS	93	90	94	94
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Chevron Generic Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. #: 11842 Sample #: 5015587-89 SCR#: 40276

007876

1031181

Facility #: Bee Jay Scales 67201

Site Address: 116 North 1st Street Sunnyside WA

Chevron PM: Michael Coats Lead Consultant: SECOR

Consultant/Office: Portland 015 SECOR

Consultant Prj. Mgr.: Mark Trewartha

Consultant Phone #: 503-691-2030 Fax #:

Sampler: Justin Dauphinais

Service Order #: ☐ Non SAR:

Matrix: ☐ Potable ☐ NPDES

Analyses Requested — Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☐ Naphth ☐	~~Alkalinity~~ Alkalinity (310.1)	~~Oxygenates~~ Chloride (300.0) Sulfate (375.4) pH (150.1)	~~TPH G~~ Nitrate (352.2) Nitrite (353.2)	~~TPH B~~ ☐ Extended Rng. ☐ Silica Gel Cleanup	~~Lead Total~~ ☐ Diss. ☐ Method	~~VPH/EPH~~ Ammonia (350.3) Phosphate (365.1)	NWTPH H HCID ☐ quantification	Herbicides SW-846 8151A	Arsenic, Iron, Manganese 6010B	VOC's 8260B
OP-VP-001, 10-0	3-27-07	1100	X			X		11		X	X	X	X	X	X	X	X	X	X
OP-VP-001, 20-0	3-27-07	1330	X			X		11		X	X	X	X	X	X	X	X	X	X
TB-1	3-27-07	—				X		2											X

Preservative Codes

H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
K. [signature]	3-8-07	1530			
[signature]	3/27/07	1500			

Relinquished by Commercial Carrier: UPS FedEx Other _____

Temperature Upon Receipt 2.6° C°

Received by: Kathy Binkley Date 3-28-07 Time 0915

Custody Seals Intact? Yes No

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3566 Rev. 1/31/02

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

517-349-9499

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1031405. Samples arrived at the laboratory on Thursday, March 29, 2007. The PO# for this group is 24CH.67201.00.0022 and the release number is BEE-JAY SCALES.

Client Description	Lancaster Labs Number
OP-VP-002,20'-0 Grab Water Sample	5016786
OP-VP-002,20'-2 Grab Water Sample	5016787
OP-VP-005,20'-0 Grab Water Sample	5016788
OP-VP-003,20'-0 Grab Water Sample	5016789
OP-VP-003,20'-1 Grab Water Sample	5016790
OP-VP-006,10'-0 Grab Water Sample	5016791
TB-2 Water Sample	5016792
TB-3 Water Sample	5016793
TB-4 Water Sample	5016794

ELECTRONIC COPY TO SECOR International, Inc. Attn: Marisa Patterson

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,

Susan M Goshert

Susan M. Goshert
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5016786

OP-VP-002,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 15:30 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	7.00	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.332	0.0050	mg/l	1
00200	pH	n.a.	8.0	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	215.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
	This sample was analyzed past the 48 hour hold time for nitrite.					
00220	Nitrate Nitrogen	14797-55-8	3.6	0.10	mg/l	1
00224	Chloride	16887-00-6	11.6	2.0	mg/l	5
00345	Total Phosphorus as PO4 water	14265-44-2	0.43	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	< 50.0	50.0	mg/l	10
	The reporting limit for the analyte above was raised due to matrix interference.					
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.51	0.51	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.051	0.051	ug/l	1
05286	2,4,5-T	93-76-5	< 0.051	0.051	ug/l	1
05287	Dalapon	75-99-0	< 1.3	1.3	ug/l	1
05288	Dinoseb	88-85-7	< 0.51	0.51	ug/l	1
05289	Dicamba	1918-00-9	< 0.30	0.30	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 1,000.	1,000.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.51	0.51	ug/l	1
05293	2,4-DB	94-82-6	< 1.0	1.0	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.051	0.051	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016786

OP-VP-002,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 15:30 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016786

OP-VP-002,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 15:30 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
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Suite E
Okemos MI 48864

VP020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/05/2007 23:27	John P Hook	1
07035	Arsenic	SW-846 6010B	1	04/05/2007 23:27	John P Hook	1
07058	Manganese	SW-846 6010B	1	04/05/2007 23:27	John P Hook	1
00200	pH	EPA 150.1	1	03/29/2007 22:40	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/03/2007 08:36	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/03/2007 08:36	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/29/2007 22:17	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/10/2007 20:01	Venia B McFadden	1
00224	Chloride	EPA 300.0	1	04/06/2007 17:17	Ashley M Heckman	5
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/03/2007 14:40	Courtney A Shoff	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/05/2007 13:25	Susan A Engle	10
06914	Ammonia-Nitrogen	EPA 350.3	1	04/03/2007 10:30	Michelle L Lalli	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016786

OP-VP-002,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 15:30 by JD

Account Number: 11842

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Discard: 05/14/2007

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VP020

01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 03:40	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/03/2007 22:17	Daniel H Heller	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/03/2007 22:17	Daniel H Heller	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/03/2007 22:17	Daniel H Heller	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 07:45	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	03/30/2007 12:35	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016787

OP-VP-002,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 16:50 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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Okemos MI 48864

VP022

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	< 0.200	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	< 0.0050	0.0050	mg/l	1
00200	pH	n.a.	5.9	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
	This sample was analyzed past the 48 hour hold time for nitrite.					
00220	Nitrate Nitrogen	14797-55-8	< 0.10	0.10	mg/l	1
00224	Chloride	16887-00-6	< 0.40	0.40	mg/l	1
00345	Total Phosphorus as PO4 water	14265-44-2	< 0.31	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	< 5.0	5.0	mg/l	1
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.49	0.49	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.049	0.049	ug/l	1
05286	2,4,5-T	93-76-5	< 0.049	0.049	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.49	0.49	ug/l	1
05289	Dicamba	1918-00-9	< 0.29	0.29	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 980.	980.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.49	0.49	ug/l	1
05293	2,4-DB	94-82-6	< 0.98	0.98	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.049	0.049	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016787

OP-VP-002,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 16:50 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP022

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016787

OP-VP-002,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 16:50 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP022

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/05/2007 23:32	John P Hook	1
07035	Arsenic	SW-846 6010B	1	04/05/2007 23:32	John P Hook	1
07058	Manganese	SW-846 6010B	1	04/05/2007 23:32	John P Hook	1
00200	pH	EPA 150.1	1	03/29/2007 22:40	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/03/2007 08:36	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/03/2007 08:36	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/29/2007 22:18	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/10/2007 20:03	Venia B McFadden	1
00224	Chloride	EPA 300.0	1	04/06/2007 17:33	Ashley M Heckman	1
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/03/2007 14:42	Courtney A Shoff	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/05/2007 13:25	Susan A Engle	1
06914	Ammonia-Nitrogen	EPA 350.3	1	04/03/2007 10:30	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 04:08	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/03/2007 22:40	Daniel H Heller	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016787

OP-VP-002,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/27/2007 16:50 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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Suite E
Okemos MI 48864

VP022

08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/03/2007 22:40	Daniel H Heller	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/03/2007 22:40	Daniel H Heller	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 07:45	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	03/30/2007 12:35	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016788

OP-VP-005,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 09:00 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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Suite E
Okemos MI 48864

VP050

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	10.8	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	1.45	0.0050	mg/l	1
00200	pH	n.a.	7.4	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	226.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	3.1	0.10	mg/l	1
00224	Chloride	16887-00-6	11.0	2.0	mg/l	5
00345	Total Phosphorus as PO4 water	14265-44-2	3.5	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	< 50.0	50.0	mg/l	10
	The reporting limit for the analyte above was raised due to matrix interference.					
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.50	0.50	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.050	0.050	ug/l	1
05286	2,4,5-T	93-76-5	< 0.050	0.050	ug/l	1
05287	Dalapon	75-99-0	< 1.3	1.3	ug/l	1
05288	Dinoseb	88-85-7	< 0.50	0.50	ug/l	1
05289	Dicamba	1918-00-9	< 0.30	0.30	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 1,000.	1,000.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.50	0.50	ug/l	1
05293	2,4-DB	94-82-6	< 1.0	1.0	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.050	0.050	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016788

OP-VP-005,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 09:00 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP050

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016788

OP-VP-005,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 09:00 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
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Suite E
Okemos MI 48864

VP050

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/05/2007 23:37	John P Hook	1
07035	Arsenic	SW-846 6010B	1	04/05/2007 23:37	John P Hook	1
07058	Manganese	SW-846 6010B	1	04/05/2007 23:37	John P Hook	1
00200	pH	EPA 150.1	1	03/29/2007 22:40	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/03/2007 08:36	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/03/2007 08:36	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/29/2007 22:19	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/10/2007 20:04	Venia B McFadden	1
00224	Chloride	EPA 300.0	1	04/06/2007 17:50	Ashley M Heckman	5
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/03/2007 14:45	Courtney A Shoff	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/05/2007 13:25	Susan A Engle	10
06914	Ammonia-Nitrogen	EPA 350.3	1	04/03/2007 10:30	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 04:36	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/03/2007 23:02	Daniel H Heller	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016788

OP-VP-005,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 09:00 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
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Discard: 05/14/2007

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Okemos MI 48864

VP050

08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/03/2007 23:02	Daniel H Heller	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/03/2007 23:02	Daniel H Heller	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 07:45	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	03/30/2007 12:35	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016789

OP-VP-003,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 12:00 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP030

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	11.9	0.200	mg/l	1
07035	Arsenic	7440-38-2	0.0219	0.0200	mg/l	1
07058	Manganese	7439-96-5	4.40	0.0050	mg/l	1
00200	pH	n.a.	7.5	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	1,140.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	223.	10.0	mg/l	100
00224	Chloride	16887-00-6	100.	20.0	mg/l	50
00345	Total Phosphorus as PO4 water	14265-44-2	6.9	1.6	mg/l	5
01125	Sulfate (turbidimetric)	14808-79-8	1,470.	1,000.	mg/l	200
06914	Ammonia-Nitrogen	7664-41-7	0.17	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.53	0.53	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.053	0.053	ug/l	1
05286	2,4,5-T	93-76-5	< 0.053	0.053	ug/l	1
05287	Dalapon	75-99-0	< 1.3	1.3	ug/l	1
05288	Dinoseb	88-85-7	< 0.53	0.53	ug/l	1
05289	Dicamba	1918-00-9	< 0.32	0.32	ug/l	1
05290	MCPP	93-65-2	< 210.	210.	ug/l	1
05291	MCPA	94-74-6	< 1,100.	1,100.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.53	0.53	ug/l	1
05293	2,4-DB	94-82-6	< 1.1	1.1	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.053	0.053	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016789

OP-VP-003,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 12:00 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP030

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	8.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5016789

OP-VP-003,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 12:00 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP030

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	69.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/05/2007 23:42	John P Hook	1
07035	Arsenic	SW-846 6010B	1	04/05/2007 23:42	John P Hook	1
07058	Manganese	SW-846 6010B	1	04/05/2007 23:42	John P Hook	1
00200	pH	EPA 150.1	1	03/29/2007 22:40	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/03/2007 08:36	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/03/2007 08:36	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/29/2007 22:21	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/10/2007 19:49	Venia B McFadden	100
00224	Chloride	EPA 300.0	1	04/06/2007 01:01	Ashley M Heckman	50
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/03/2007 14:46	Courtney A Shoff	5
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/05/2007 13:25	Susan A Engle	200
06914	Ammonia-Nitrogen	EPA 350.3	1	04/03/2007 10:30	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 05:33	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/03/2007 23:24	Daniel H Heller	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/03/2007 23:24	Daniel H Heller	1

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Analysis Report

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Lancaster Laboratories Sample No. WW 5016789

OP-VP-003,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 12:00 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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Okemos MI 48864

VP030

00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/03/2007 23:24	Daniel H Heller	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 07:45	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	03/30/2007 12:35	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016790

OP-VP-003,20'-1 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 12:30 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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VP031

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	5.00	0.200	mg/l	1
07035	Arsenic	7440-38-2	0.0313	0.0200	mg/l	1
07058	Manganese	7439-96-5	3.30	0.0050	mg/l	1
00200	pH	n.a.	7.5	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	457.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	218.	10.0	mg/l	100
00224	Chloride	16887-00-6	96.6	20.0	mg/l	50
00345	Total Phosphorus as PO4 water	14265-44-2	15.5	1.6	mg/l	5
01125	Sulfate (turbidimetric)	14808-79-8	< 500.	500.	mg/l	100
	The reporting limit for the analyte above was raised due to matrix interference.					
06914	Ammonia-Nitrogen	7664-41-7	0.23	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.51	0.51	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.051	0.051	ug/l	1
05286	2,4,5-T	93-76-5	< 0.051	0.051	ug/l	1
05287	Dalapon	75-99-0	< 1.3	1.3	ug/l	1
05288	Dinoseb	88-85-7	< 0.51	0.51	ug/l	1
05289	Dicamba	1918-00-9	< 0.31	0.31	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 1,000.	1,000.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.51	0.51	ug/l	1
05293	2,4-DB	94-82-6	< 1.0	1.0	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.051	0.051	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016790

OP-VP-003,20'-1 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 12:30 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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VP031

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	7.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016790

OP-VP-003,20'-1 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 12:30 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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VP031

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	30.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/05/2007 23:47	John P Hook	1
07035	Arsenic	SW-846 6010B	1	04/05/2007 23:47	John P Hook	1
07058	Manganese	SW-846 6010B	1	04/05/2007 23:47	John P Hook	1
00200	pH	EPA 150.1	1	03/29/2007 22:40	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/03/2007 13:03	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/03/2007 13:03	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/29/2007 22:22	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/10/2007 19:50	Venia B McFadden	100
00224	Chloride	EPA 300.0	1	04/06/2007 01:50	Ashley M Heckman	50
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/03/2007 15:49	Courtney A Shoff	5
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/05/2007 13:25	Susan A Engle	100
06914	Ammonia-Nitrogen	EPA 350.3	1	04/13/2007 09:00	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 06:01	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/05/2007 14:01	Daniel H Heller	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016790

OP-VP-003,20'-1 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 12:30 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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VP031

08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/05/2007 14:01	Daniel H Heller	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/05/2007 14:01	Daniel H Heller	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 07:45	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/02/2007 16:30	Carolyn M Mastropietro	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016791

OP-VP-006,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 13:20 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
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VP060

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	15.5	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	3.27	0.0050	mg/l	1
00200	pH	n.a.	7.4	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	515.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	233.	10.0	mg/l	100
00224	Chloride	16887-00-6	62.3	20.0	mg/l	50
00345	Total Phosphorus as PO4 water	14265-44-2	0.75	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	269.	50.0	mg/l	10
06914	Ammonia-Nitrogen	7664-41-7	< 1.0	1.0	mg/l	10
	The reporting limit(s) for the analyte(s) above was raised due to matrix interference.					
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.50	0.50	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.050	0.050	ug/l	1
05286	2,4,5-T	93-76-5	< 0.050	0.050	ug/l	1
05287	Dalapon	75-99-0	< 1.3	1.3	ug/l	1
05288	Dinoseb	88-85-7	< 0.50	0.50	ug/l	1
05289	Dicamba	1918-00-9	< 0.30	0.30	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 1,000.	1,000.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.50	0.50	ug/l	1
05293	2,4-DB	94-82-6	< 1.0	1.0	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.050	0.050	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016791

OP-VP-006,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 13:20 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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Okemos MI 48864

VP060

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016791

OP-VP-006,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 13:20 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP060

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/06/2007 00:02	John P Hook	1
07035	Arsenic	SW-846 6010B	1	04/06/2007 00:02	John P Hook	1
07058	Manganese	SW-846 6010B	1	04/06/2007 00:02	John P Hook	1
00200	pH	EPA 150.1	1	03/29/2007 22:40	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/03/2007 13:03	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/03/2007 13:03	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/29/2007 22:23	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/10/2007 19:51	Venia B McFadden	100
00224	Chloride	EPA 300.0	1	04/06/2007 02:06	Ashley M Heckman	50
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/03/2007 15:50	Courtney A Shoff	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/05/2007 13:25	Susan A Engle	10
06914	Ammonia-Nitrogen	EPA 350.3	1	04/13/2007 09:00	Michelle L Lalli	10

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Analysis Report

Lancaster Laboratories Sample No. WW 5016791

OP-VP-006,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 13:20 by JD

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
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Suite E
Okemos MI 48864

VP060

01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 06:29	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/05/2007 21:50	Daniel H Heller	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/05/2007 21:50	Daniel H Heller	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/05/2007 21:50	Daniel H Heller	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 07:45	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/02/2007 16:30	Carolyn M Mastropietro	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016792

TB-2 Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
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Okemos MI 48864

VPTB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016792

TB-2 Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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Suite E
Okemos MI 48864

VPTB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

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Analysis Report

Lancaster Laboratories Sample No. WW 5016792

TB-2 Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
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Suite E
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VPTB2

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/05/2007 22:12	Daniel H Heller	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/05/2007 22:12	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/05/2007 22:12	Daniel H Heller	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016793

TB-3 Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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VPTB3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016793

TB-3 Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VPTB3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

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Analysis Report

Lancaster Laboratories Sample No. WW 5016793

TB-3 Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
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VPTB3

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/05/2007 22:34	Daniel H Heller	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/05/2007 22:34	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/05/2007 22:34	Daniel H Heller	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5016794

TB-4 Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
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Suite E
Okemos MI 48864

VPTB4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5016794

TB-4 Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VPTB4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 5016794

TB-4 Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007

Account Number: 11842

Submitted: 03/29/2007 09:45
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VPTB4

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/05/2007 22:55	Daniel H Heller	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/05/2007 22:55	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/05/2007 22:55	Daniel H Heller	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031405
Reported: 04/13/07 at 03:17 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07088020002A	Sample number(s): 5016786-5016789							
pH				100		99-101		
Batch number: 07088020002B	Sample number(s): 5016790-5016791							
pH				100		99-101		
Batch number: 07088105101A	Sample number(s): 5016786-5016791							
Nitrite Nitrogen	< 0.050	0.050	mg/l	94		90-110		
Batch number: 07089110101B	Sample number(s): 5016786-5016789							
Total Phosphorus as PO4 water	< 0.31	0.31	mg/l	95		90-110		
Batch number: 070895705006	Sample number(s): 5016786-5016791							
Iron	< 0.200	0.200	mg/l	100		90-112		
Arsenic	< 0.0200	0.0200	mg/l	107		90-119		
Manganese	< 0.0050	0.0050	mg/l	103		90-110		
Batch number: 070920010A	Sample number(s): 5016786-5016791							
2,4-D	< 0.50	0.50	ug/l	84	92	50-144	9	30
2,4,5-TP	< 0.050	0.050	ug/l	92	96	52-140	4	30
2,4,5-T	< 0.050	0.050	ug/l	96	100	39-143	4	30
Dalapon	< 1.3	1.3	ug/l	56	63	31-113	13	30
Dinoseb	< 0.50	0.50	ug/l	51	53	19-96	4	30
Dicamba	< 0.30	0.30	ug/l	80	84	59-134	5	30
MCPP	< 200.	200.	ug/l	76	80	42-126	5	30
MCPA	< 1,000.	1,000.	ug/l	61	62	16-139	2	30
2,4-DP (Dichlorprop)	< 0.50	0.50	ug/l	108	108	76-127	0	30
2,4-DB	< 1.0	1.0	ug/l	68	76	41-163	11	30
Pentachlorophenol	< 0.050	0.050	ug/l	88	92	61-121	4	30
Batch number: 07092110101B	Sample number(s): 5016790-5016791							
Total Phosphorus as PO4 water	< 0.31	0.31	mg/l	99		90-110		
Batch number: 07093020201A	Sample number(s): 5016786-5016789							
Alkalinity to pH 4.5				100		98-103		
Batch number: 07093020202A	Sample number(s): 5016790-5016791							
Alkalinity to pH 4.5				101		98-103		
Batch number: 07093691401A	Sample number(s): 5016786-5016789							
Ammonia-Nitrogen	< 0.10	0.10	mg/l	94		90-110		
Batch number: 07095112501A	Sample number(s): 5016786-5016791							
Sulfate (turbidimetric)	< 5.0	5.0	mg/l	106		90-110		
Batch number: 07095196101A	Sample number(s): 5016786-5016788							
Chloride	< 0.40	0.40	mg/l	95		90-110		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031405
Reported: 04/13/07 at 03:17 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07095196101B	Sample number(s): 5016789-5016791							
Chloride	< 0.40	0.40	mg/l	95		90-110		
Batch number: 07100106102A	Sample number(s): 5016786-5016791							
Nitrate Nitrogen	< 0.10	0.10	mg/l	100		90-110		
Batch number: 07103691401A	Sample number(s): 5016790-5016791							
Ammonia-Nitrogen	< 0.10	0.10	mg/l	109		90-110		
Batch number: Y070932AB	Sample number(s): 5016786-5016789							
Methyl Tertiary Butyl Ether	< 5.	5.	ug/l	100	101	73-119	0	30
Ethyl ether	< 5.	5.	ug/l	85	89	30-148	4	30
Tetrahydrofuran	< 10.	10.	ug/l	87	90	65-130	3	30
Dichlorodifluoromethane	< 5.	5.	ug/l	70	72	26-157	2	30
Chloromethane	< 5.	5.	ug/l	88	88	47-132	0	30
Vinyl Chloride	< 5.	5.	ug/l	88	83	54-123	6	30
Bromomethane	< 5.	5.	ug/l	81	81	47-129	0	30
Chloroethane	< 5.	5.	ug/l	90	89	57-125	1	30
Trichlorofluoromethane	< 5.	5.	ug/l	89	86	57-141	4	30
1,1-Dichloroethene	< 5.	5.	ug/l	102	99	76-122	3	30
Methylene Chloride	< 5.	5.	ug/l	102	102	85-120	0	30
trans-1,2-Dichloroethene	< 5.	5.	ug/l	104	100	83-117	4	30
1,1-Dichloroethane	< 5.	5.	ug/l	111	111	83-127	0	30
cis-1,2-Dichloroethene	< 5.	5.	ug/l	103	103	84-117	0	30
Chloroform	< 5.	5.	ug/l	105	106	86-124	1	30
Bromochloromethane	< 5.	5.	ug/l	105	108	83-121	3	30
1,1,1-Trichloroethane	< 5.	5.	ug/l	106	103	83-127	3	30
Carbon Tetrachloride	< 5.	5.	ug/l	106	104	77-130	2	30
Benzene	< 5.	5.	ug/l	107	107	78-119	1	30
1,2-Dichloroethane	< 5.	5.	ug/l	111	113	77-132	2	30
Trichloroethene	< 5.	5.	ug/l	104	102	87-117	2	30
1,2-Dichloropropane	< 5.	5.	ug/l	115	112	80-117	3	30
Dibromomethane	< 5.	5.	ug/l	106	106	87-117	0	30
Bromodichloromethane	< 5.	5.	ug/l	108	109	83-121	1	30
Toluene	< 5.	5.	ug/l	96	95	85-115	1	30
1,1,2-Trichloroethane	< 5.	5.	ug/l	97	95	86-113	2	30
Tetrachloroethene	< 5.	5.	ug/l	96	92	74-125	5	30
Dibromochloromethane	< 5.	5.	ug/l	99	100	78-119	1	30
1,2-Dibromoethane	< 5.	5.	ug/l	95	95	81-114	0	30
Chlorobenzene	< 5.	5.	ug/l	97	95	85-115	2	30
1,1,1,2-Tetrachloroethane	< 5.	5.	ug/l	96	95	83-114	0	30
Ethylbenzene	< 5.	5.	ug/l	95	92	82-119	4	30
m+p-Xylene	< 5.	5.	ug/l	92	90	83-113	2	30
o-Xylene	< 5.	5.	ug/l	91	92	83-113	1	30
Styrene	< 5.	5.	ug/l	88	88	82-111	0	30
Bromoform	< 5.	5.	ug/l	90	91	69-118	1	30
Isopropylbenzene	< 5.	5.	ug/l	91	89	80-120	2	30
1,1,2,2-Tetrachloroethane	< 5.	5.	ug/l	89	90	72-119	2	30
Bromobenzene	< 5.	5.	ug/l	89	90	82-110	1	30
1,2,3-Trichloropropane	< 5.	5.	ug/l	86	87	78-117	2	30
n-Propylbenzene	< 5.	5.	ug/l	88	89	78-119	2	30
1,3,5-Trimethylbenzene	< 5.	5.	ug/l	85	86	78-116	0	30
tert-Butylbenzene	< 5.	5.	ug/l	85	83	74-114	2	30
1,2,4-Trimethylbenzene	< 5.	5.	ug/l	86	87	78-117	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031405
Reported: 04/13/07 at 03:17 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
sec-Butylbenzene	< 5.	5.	ug/l	85	87	72-120	3	30
p-Isopropyltoluene	< 5.	5.	ug/l	85	86	72-118	2	30
1,3-Dichlorobenzene	< 5.	5.	ug/l	86	88	81-114	2	30
1,4-Dichlorobenzene	< 5.	5.	ug/l	86	88	84-116	3	30
n-Butylbenzene	< 5.	5.	ug/l	84	85	75-120	1	30
1,2-Dichlorobenzene	< 5.	5.	ug/l	86	89	81-112	3	30
1,2-Dibromo-3-chloropropane	< 5.	5.	ug/l	82	85	62-128	4	30
1,2,4-Trichlorobenzene	< 5.	5.	ug/l	79	82	65-114	3	30
Naphthalene	< 5.	5.	ug/l	71	73	61-116	3	30
1,2,3-Trichlorobenzene	< 5.	5.	ug/l	77	78	67-114	2	30
Acetone	< 20.	20.	ug/l	130	147	32-200	13	30
Carbon Disulfide	< 5.	5.	ug/l	100	99	69-119	0	30
2-Butanone	< 10.	10.	ug/l	124	128	52-163	3	30
trans-1,3-Dichloropropene	< 5.	5.	ug/l	93	94	79-114	1	30
cis-1,3-Dichloropropene	< 5.	5.	ug/l	109	108	78-114	1	30
4-Methyl-2-pentanone	< 10.	10.	ug/l	116	117	70-130	1	30
2-Hexanone	< 10.	10.	ug/l	108	109	61-140	1	30
Methyl Iodide	< 5.	5.	ug/l	97	97	70-116	1	30
Acrylonitrile	< 20.	20.	ug/l	100	102	67-128	2	30
trans-1,4-Dichloro-2-butene	< 50.	50.	ug/l	87	89	49-135	3	30
2-Methylnaphthalene	< 5.	5.	ug/l	40	47	25-133	15	30
Batch number: Y070951AA	Sample number(s): 5016790-5016794							
Methyl Tertiary Butyl Ether	< 5.	5.	ug/l	98	100	73-119	2	30
Ethyl ether	< 5.	5.	ug/l	88	95	30-148	7	30
Tetrahydrofuran	< 10.	10.	ug/l	91	97	65-130	7	30
Dichlorodifluoromethane	< 5.	5.	ug/l	72	69	26-157	4	30
Chloromethane	< 5.	5.	ug/l	104	101	47-132	3	30
Vinyl Chloride	< 5.	5.	ug/l	98	95	54-123	3	30
Bromomethane	< 5.	5.	ug/l	81	79	47-129	3	30
Chloroethane	< 5.	5.	ug/l	94	97	57-125	2	30
Trichlorofluoromethane	< 5.	5.	ug/l	83	80	57-141	4	30
1,1-Dichloroethene	< 5.	5.	ug/l	101	100	76-122	1	30
Methylene Chloride	< 5.	5.	ug/l	104	104	85-120	0	30
trans-1,2-Dichloroethene	< 5.	5.	ug/l	103	99	83-117	3	30
1,1-Dichloroethane	< 5.	5.	ug/l	109	108	83-127	2	30
cis-1,2-Dichloroethene	< 5.	5.	ug/l	101	101	84-117	0	30
Chloroform	< 5.	5.	ug/l	96	96	86-124	0	30
Bromochloromethane	< 5.	5.	ug/l	98	100	83-121	1	30
1,1,1-Trichloroethane	< 5.	5.	ug/l	93	91	83-127	2	30
Carbon Tetrachloride	< 5.	5.	ug/l	94	93	77-130	1	30
Benzene	< 5.	5.	ug/l	106	107	78-119	1	30
1,2-Dichloroethane	< 5.	5.	ug/l	95	98	77-132	3	30
Trichloroethene	< 5.	5.	ug/l	100	98	87-117	2	30
1,2-Dichloropropane	< 5.	5.	ug/l	117	117	80-117	0	30
Dibromomethane	< 5.	5.	ug/l	98	98	87-117	0	30
Bromodichloromethane	< 5.	5.	ug/l	95	96	83-121	2	30
Toluene	< 5.	5.	ug/l	103	104	85-115	0	30
1,1,2-Trichloroethane	< 5.	5.	ug/l	105	105	86-113	0	30
Tetrachloroethene	< 5.	5.	ug/l	98	95	74-125	4	30
Dibromochloromethane	< 5.	5.	ug/l	99	102	78-119	2	30
1,2-Dibromoethane	< 5.	5.	ug/l	101	101	81-114	1	30
Chlorobenzene	< 5.	5.	ug/l	103	104	85-115	1	30
1,1,1,2-Tetrachloroethane	< 5.	5.	ug/l	99	99	83-114	1	30
Ethylbenzene	< 5.	5.	ug/l	100	100	82-119	0	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031405
Reported: 04/13/07 at 03:17 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
m+p-Xylene	< 5.	5.	ug/l	99	97	83-113	2	30
o-Xylene	< 5.	5.	ug/l	100	96	83-113	4	30
Styrene	< 5.	5.	ug/l	91	94	82-111	2	30
Bromoform	< 5.	5.	ug/l	92	94	69-118	1	30
Isopropylbenzene	< 5.	5.	ug/l	96	94	80-120	3	30
1,1,2,2-Tetrachloroethane	< 5.	5.	ug/l	106	107	72-119	1	30
Bromobenzene	< 5.	5.	ug/l	97	97	82-110	1	30
1,2,3-Trichloropropane	< 5.	5.	ug/l	101	98	78-117	3	30
n-Propylbenzene	< 5.	5.	ug/l	103	102	78-119	1	30
1,3,5-Trimethylbenzene	< 5.	5.	ug/l	98	95	78-116	3	30
tert-Butylbenzene	< 5.	5.	ug/l	94	94	74-114	0	30
1,2,4-Trimethylbenzene	< 5.	5.	ug/l	100	98	78-117	2	30
sec-Butylbenzene	< 5.	5.	ug/l	100	98	72-120	1	30
p-Isopropyltoluene	< 5.	5.	ug/l	98	97	72-118	1	30
1,3-Dichlorobenzene	< 5.	5.	ug/l	96	96	81-114	0	30
1,4-Dichlorobenzene	< 5.	5.	ug/l	97	98	84-116	1	30
n-Butylbenzene	< 5.	5.	ug/l	97	94	75-120	3	30
1,2-Dichlorobenzene	< 5.	5.	ug/l	97	97	81-112	0	30
1,2-Dibromo-3-chloropropane	< 5.	5.	ug/l	90	96	62-128	6	30
1,2,4-Trichlorobenzene	< 5.	5.	ug/l	89	90	65-114	1	30
Naphthalene	< 5.	5.	ug/l	87	87	61-116	0	30
1,2,3-Trichlorobenzene	< 5.	5.	ug/l	87	87	67-114	1	30
Acetone	< 20.	20.	ug/l	110	114	32-200	3	30
Carbon Disulfide	< 5.	5.	ug/l	108	107	69-119	1	30
2-Butanone	< 10.	10.	ug/l	111	114	52-163	2	30
trans-1,3-Dichloropropene	< 5.	5.	ug/l	105	104	79-114	1	30
cis-1,3-Dichloropropene	< 5.	5.	ug/l	105	107	78-114	2	30
4-Methyl-2-pentanone	< 10.	10.	ug/l	105	107	70-130	2	30
2-Hexanone	< 10.	10.	ug/l	109	109	61-140	0	30
Methyl Iodide	< 5.	5.	ug/l	95	95	70-116	0	30
Acrylonitrile	< 20.	20.	ug/l	104	106	67-128	2	30
trans-1,4-Dichloro-2-butene	< 50.	50.	ug/l	93	94	49-135	1	30
2-Methylnaphthalene	< 5.	5.	ug/l	54	57	25-133	5	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07088020002A	Sample number(s): 5016786-5016789 BKG: P016665								
pH						7.3	7.3	0	1
Batch number: 07088020002B	Sample number(s): 5016790-5016791 BKG: 5016790								
pH						7.5	7.5	0	1
Batch number: 07088105101A	Sample number(s): 5016786-5016791 UNSPK: P016873 BKG: P016873								
Nitrite Nitrogen	105		90-110			< 0.050	< 0.050	0 (1)	20
Batch number: 07089110101B	Sample number(s): 5016786-5016789 UNSPK: 5016787 BKG: 5016787								
Total Phosphorus as PO4 water	102		90-110			< 0.31	< 0.31	0 (1)	3

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031405
Reported: 04/13/07 at 03:17 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 070895705006	Sample number(s): 5016786-5016791 UNSPK: P013011 BKG: P013011								
Iron	110	107	75-125	2	20	0.763	0.783	3 (1)	20
Arsenic	121	115	75-125	4	20	0.0826	0.0878	6 (1)	20
Manganese	107	107	75-125	0	20	0.314	0.323	3	20
Batch number: 07092110101B	Sample number(s): 5016790-5016791 UNSPK: P017451 BKG: P017451								
Total Phosphorus as PO4 water	97		90-110			< 0.31	< 0.31	0 (1)	3
Batch number: 07093020201A	Sample number(s): 5016786-5016789 UNSPK: P016538 BKG: P016538								
Alkalinity to pH 8.3						< 2.0	< 2.0	0 (1)	4
Alkalinity to pH 4.5	100	100	64-130	0	2	142.	144.	1	4
Batch number: 07093020202A	Sample number(s): 5016790-5016791 UNSPK: P017666 BKG: P017666								
Alkalinity to pH 8.3						< 2.0	< 2.0	0 (1)	4
Alkalinity to pH 4.5	98	98	64-130	0	2	162.	163.	1	4
Batch number: 07093691401A	Sample number(s): 5016786-5016789 UNSPK: 5016786 BKG: 5016786								
Ammonia-Nitrogen	77	78	24-164	2	9	< 0.10	< 0.10	14* (1)	12
Batch number: 07095112501A	Sample number(s): 5016786-5016791 UNSPK: P021798 BKG: P021798								
Sulfate (turbidimetric)	103	105	66-134	1	6	20.9	21.3	2 (1)	4
Batch number: 07095196101A	Sample number(s): 5016786-5016788 UNSPK: P016611 BKG: P016611								
Chloride	175*		90-110			6,450.	6,650.	3	3
Batch number: 07095196101B	Sample number(s): 5016789-5016791 UNSPK: 5016789 BKG: 5016789								
Chloride	101		90-110			100.	98.6	1 (1)	3
Batch number: 07100106102A	Sample number(s): 5016786-5016791 UNSPK: P017451 BKG: P017451								
Nitrate Nitrogen	100		90-110			< 0.10	< 0.10	19* (1)	2
Batch number: 07103691401A	Sample number(s): 5016790-5016791 UNSPK: P026310 BKG: P026310								
Ammonia-Nitrogen	112	112	24-164	0	9	< 0.10	< 0.10	200* (1)	12
Batch number: Y070932AB	Sample number(s): 5016786-5016789 UNSPK: P013686								
Methyl Tertiary Butyl Ether	112		69-127						
Ethyl ether	95		31-154						
Tetrahydrofuran	93		53-138						
Dichlorodifluoromethane	96		31-185						
Chloromethane	105		46-149						
Vinyl Chloride	100		54-143						
Bromomethane	91		52-141						
Chloroethane	103		56-140						
Trichlorofluoromethane	113		64-165						
1,1-Dichloroethene	124		87-145						
Methylene Chloride	117		79-133						
trans-1,2-Dichloroethene	123		82-133						
1,1-Dichloroethane	129		85-135						
cis-1,2-Dichloroethene	120		83-126						
Chloroform	122		83-139						
Bromochloromethane	117		82-129						
1,1,1-Trichloroethane	125		81-142						
Carbon Tetrachloride	128		82-149						

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031405
Reported: 04/13/07 at 03:17 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Benzene	124		83-128						
1,2-Dichloroethane	125		70-143						
Trichloroethene	121		83-136						
1,2-Dichloropropane	131*		83-129						
Dibromomethane	117		82-128						
Bromodichloromethane	122		80-129						
Toluene	110		83-127						
1,1,2-Trichloroethane	103		77-125						
Tetrachloroethene	111		78-133						
Dibromochloromethane	109		82-119						
1,2-Dibromoethane	104		78-120						
Chlorobenzene	109		83-120						
1,1,1,2-Tetrachloroethane	105		83-119						
Ethylbenzene	107		82-129						
m+p-Xylene	104		82-130						
o-Xylene	105		82-130						
Styrene	99		69-131						
Bromoform	98		64-119						
Isopropylbenzene	104		81-130						
1,1,2,2-Tetrachloroethane	94		73-121						
Bromobenzene	100		83-121						
1,2,3-Trichloropropane	97		73-125						
n-Propylbenzene	103		74-138						
1,3,5-Trimethylbenzene	97		77-124						
tert-Butylbenzene	99		76-128						
1,2,4-Trimethylbenzene	97		80-125						
sec-Butylbenzene	101		73-137						
p-Isopropyltoluene	99		72-128						
1,3-Dichlorobenzene	98		79-123						
1,4-Dichlorobenzene	96		81-122						
n-Butylbenzene	98		73-134						
1,2-Dichlorobenzene	95		82-117						
1,2-Dibromo-3-chloropropane	90		52-137						
1,2,4-Trichlorobenzene	89		60-121						
Naphthalene	78		50-124						
1,2,3-Trichlorobenzene	84		65-127						
Acetone	112		48-143						
Carbon Disulfide	120		74-135						
2-Butanone	125		57-137						
trans-1,3-Dichloropropene	103		77-123						
cis-1,3-Dichloropropene	119		80-126						
4-Methyl-2-pentanone	129		68-133						
2-Hexanone	112		60-135						
Methyl Iodide	113		72-128						
Acrylonitrile	113		63-132						
trans-1,4-Dichloro-2-butene	96		37-141						
2-Methylnaphthalene	41		26-134						

Batch number: Y070951AA Sample number(s): 5016790-5016794 UNSPK: 5016790

Methyl Tertiary Butyl Ether	102	69-127
Ethyl ether	119	31-154
Tetrahydrofuran	92	53-138
Dichlorodifluoromethane	88	31-185

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031405
Reported: 04/13/07 at 03:17 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Chloromethane	113		46-149						
Vinyl Chloride	106		54-143						
Bromomethane	86		52-141						
Chloroethane	105		56-140						
Trichlorofluoromethane	97		64-165						
1,1-Dichloroethene	113		87-145						
Methylene Chloride	109		79-133						
trans-1,2-Dichloroethene	112		82-133						
1,1-Dichloroethane	119		85-135						
cis-1,2-Dichloroethene	103		83-126						
Chloroform	103		83-139						
Bromochloromethane	103		82-129						
1,1,1-Trichloroethane	101		81-142						
Carbon Tetrachloride	103		82-149						
Benzene	115		83-128						
1,2-Dichloroethane	99		70-143						
Trichloroethene	107		83-136						
1,2-Dichloropropane	122		83-129						
Dibromomethane	100		82-128						
Bromodichloromethane	102		80-129						
Toluene	112		83-127						
1,1,2-Trichloroethane	108		77-125						
Tetrachloroethene	105		78-133						
Dibromochloromethane	105		82-119						
1,2-Dibromoethane	105		78-120						
Chlorobenzene	110		83-120						
1,1,1,2-Tetrachloroethane	103		83-119						
Ethylbenzene	108		82-129						
m+p-Xylene	106		82-130						
o-Xylene	105		82-130						
Styrene	99		69-131						
Bromoform	97		64-119						
Isopropylbenzene	102		81-130						
1,1,2,2-Tetrachloroethane	112		73-121						
Bromobenzene	107		83-121						
1,2,3-Trichloropropane	105		73-125						
n-Propylbenzene	112		74-138						
1,3,5-Trimethylbenzene	103		77-124						
tert-Butylbenzene	104		76-128						
1,2,4-Trimethylbenzene	106		80-125						
sec-Butylbenzene	108		73-137						
p-Isopropyltoluene	106		72-128						
1,3-Dichlorobenzene	103		79-123						
1,4-Dichlorobenzene	102		81-122						
n-Butylbenzene	102		73-134						
1,2-Dichlorobenzene	102		82-117						
1,2-Dibromo-3-chloropropane	97		52-137						
1,2,4-Trichlorobenzene	92		60-121						
Naphthalene	92		50-124						
1,2,3-Trichlorobenzene	91		65-127						
Acetone	101		48-143						
Carbon Disulfide	119		74-135						
2-Butanone	111		57-137						

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031405
Reported: 04/13/07 at 03:17 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
trans-1,3-Dichloropropene	109		77-123						
cis-1,3-Dichloropropene	111		80-126						
4-Methyl-2-pentanone	111		68-133						
2-Hexanone	114		60-135						
Methyl Iodide	105		72-128						
Acrylonitrile	109		63-132						
trans-1,4-Dichloro-2-butene	99		37-141						
2-Methylnaphthalene	54		26-134						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Herbicides in Water
Batch number: 070920010A

	2,4-Dichlorophenylacetic acid
5016786	89
5016787	114
5016788	89
5016789	93
5016790	98
5016791	95
Blank	80
LCS	89
LCSD	93
Limits:	31-137

Analysis Name: EPA SW846/8260 (water)
Batch number: Y070932AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5016786	96	93	87	93
5016787	94	86	89	92
5016788	99	92	86	94
5016789	98	90	85	94
Blank	96	92	90	94
LCS	95	90	91	98
LCSD	95	90	90	96
MS	97	95	90	95
Limits:	80-116	77-113	80-113	78-113

Analysis Name: EPA SW846/8260 (water)
Batch number: Y070951AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031405
Reported: 04/13/07 at 03:17 PM

Surrogate Quality Control

5016790	89	94	99	94
5016791	91	102	96	94
5016792	93	98	95	94
5016793	93	98	95	93
5016794	93	101	96	94
Blank	89	95	97	91
LCS	89	97	100	96
LCSD	91	99	99	103
MS	87	97	99	96
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Chevron Generic Analysis Request/Chain of Custody

007860

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11842 Sample #: 5016786-94 SCR#:

C#1031405

Facility #: BeeJay Scales
Site Address: 116 N 1st Street, Sunnyside, WA
Chevron PM: Michael Coats Lead Consultant: SELOR
Consultant/Office: Portland-OIS
Consultant Prj. Mgr.: Mark Trewartha
Consultant Phone #: 503-691-2030 Fax #:
Sampler: ACE & JD
Service Order #: ☐ Non SAR:

Matrix: ☐ Potable ☐ NPDES

Analyses Requested / Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☐ Naphth ☐	VOCs 8260B (H)	Alkalinity 310.1	pH, sulfate, chloride (S)	Nitrate	VPH/EPH Nitrite 353.2	Arsenic, Iron, Manganese 6010B (N)	Ammonia / Phosphate (S)	Herbicides 8151A (O)
OP-VP-002, 20'-0	03-27-07	1530	X			X		11		X	X	X	X	X	X	X	X
OP-VP-002, 20'-2	↓	1650	↓			↓		↓		↓	↓	↓	↓	↓	↓	↓	↓
OP-VP-005, 20'-0	03-28-07	0900															
OP-VP-003, 20'-0		1200															
OP-VP-003, 20'-2		1230															
OP-VP-006, 10'-0		1320															
TB-2																	
TB-3																	
TB-4																	

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk ____ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	03-28-07	1500			
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS (FedEx) Other ____			Received by: [signature]	3/28/07	0945
Temperature Upon Receipt 1-8-2-3 C°			Custody Seals Intact? (Yes) No		

Lancaster Laboratories

TO: Our Valued Clients

SUBJECT: Method Update Rule

Background:
On March 12, 2007, the USEPA published a revision to the Code of Federal Regulations at 40 CFR 136 and 40 CFR 141 in the Federal Register. This Method Update Rule (MUR) contains revised approved methods tables and revised sample collection, preservation and holding time requirements, affecting the testing requirement for both non-potable and drinking water. This Method Update Rule is a final ruling and became effective on April 11, 2007.

A copy of the Method Update Rule is available online: http:/www.epa.gov/fedrgstr/EPA-WATER/2007/March/Day-12/w1073.pdf.

Action:
Lancaster Laboratories, Inc. has performed a thorough review of the MUR and has systems in place to analyze samples by the compliant method. In most cases, these methods are being replaced by equivalent methods using the same testing techniques. It is important that you review all of your NPDES Permits and other regulatory mandates to determine if you are required to use one of the outdated (removed) methods. You may continue to use these methods ONLY if you provide a copy of the permit/regulatory mandate to the laboratory to be kept on file. If the requested documentation has not been submitted to Lancaster Laboratories by June 1, 2007, your samples will be analyzed and reported by a method that is listed in the current MUR.

Please contact your Client Service Representative to request a change to the approved methods prior to June 1, 2007.

Please contact your Client Service Representative if you need assistance.

Thank you.

Lancaster Laboratories, Inc.
Environmental Client Services

April 2007

Lancaster Laboratories, Inc. • 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

517-349-9499

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1031594. Samples arrived at the laboratory on Friday, March 30, 2007. The PO# for this group is 24CH.67201.00.0022 and the release number is BEE-JAY SCALES.

Client Description	Lancaster Labs Number
OP-VP-004,20'-0 Grab Water Sample	5017921
OP-VP-004,20'-2 Grab Water Sample	5017922
OP-VP-008,10'-0 Grab Water Sample	5017923
OP-VP-008,20'-0 Grab Water Sample	5017924
OP-VP-008,20'-2 Grab Water Sample	5017925
OP-VP-009,10'-0 Grab Water Sample	5017926
OP-VP-009,20'-0 Grab Water Sample	5017927
TB-5 Water Sample	5017929
TB-6 Water Sample	5017930
TB-7 Water Sample	5017931
TB-8 Water Sample	5017932
OP-VP-006,20'-0 Grab Water Sample	5017933

ELECTRONIC COPY TO SECOR International, Inc. Attn: Marisa Patterson

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,

Susan M Goshert

Susan M. Goshert
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5017921

OP-VP-004,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 17:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP041

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	13.1	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.517	0.0050	mg/l	1
00200	pH	n.a.	7.7	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	214.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	0.50	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	111.	10.0	mg/l	100
00224	Chloride	16887-00-6	49.8	8.0	mg/l	20
00345	Total Phosphorus as PO4 water	14265-44-2	2.7	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	111.	50.0	mg/l	10
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.51	0.51	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.051	0.051	ug/l	1
05286	2,4,5-T	93-76-5	< 0.051	0.051	ug/l	1
05287	Dalapon	75-99-0	< 1.3	1.3	ug/l	1
05288	Dinoseb	88-85-7	1.1	0.51	ug/l	1
05289	Dicamba	1918-00-9	< 0.30	0.30	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 1,000.	1,000.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.51	0.51	ug/l	1
05293	2,4-DB	94-82-6	< 1.0	1.0	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.051	0.051	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017921

OP-VP-004,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 17:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP041

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	110.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	16.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5017921

OP-VP-004,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 17:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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Suite E
Okemos MI 48864

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/10/2007 13:49	Joanne M Gates	1
07035	Arsenic	SW-846 6010B	1	04/10/2007 13:49	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	04/10/2007 13:49	Joanne M Gates	1
00200	pH	EPA 150.1	1	03/30/2007 20:00	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/04/2007 13:06	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/04/2007 13:06	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/30/2007 15:00	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/11/2007 22:11	Courtney A Shoff	100
00224	Chloride	EPA 300.0	1	04/06/2007 20:49	Ashley M Heckman	20
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/10/2007 10:39	Nicole M Kepley	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/07/2007 17:35	Susan A Engle	10
06914	Ammonia-Nitrogen	EPA 350.3	1	04/13/2007 09:00	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 07:54	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 18:35	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 18:35	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017921

OP-VP-004,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 17:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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VP041

00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 18:35	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 00:00	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/04/2007 11:45	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017922

OP-VP-004,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 18:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
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Okemos MI 48864

VP042

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	< 0.200	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	< 0.0050	0.0050	mg/l	1
00200	pH	n.a.	5.4	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	< 0.10	0.10	mg/l	1
00224	Chloride	16887-00-6	< 2.0	2.0	mg/l	5
00345	Total Phosphorus as PO4 water	14265-44-2	< 0.31	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	< 5.0	5.0	mg/l	1
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.49	0.49	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.049	0.049	ug/l	1
05286	2,4,5-T	93-76-5	< 0.049	0.049	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.49	0.49	ug/l	1
05289	Dicamba	1918-00-9	< 0.29	0.29	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 980.	980.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.49	0.49	ug/l	1
05293	2,4-DB	94-82-6	< 0.98	0.98	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.049	0.049	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017922

OP-VP-004,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 18:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
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Suite E
Okemos MI 48864

VP042

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5017922

OP-VP-004,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 18:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP042

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/10/2007 13:53	Joanne M Gates	1
07035	Arsenic	SW-846 6010B	1	04/10/2007 13:53	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	04/10/2007 13:53	Joanne M Gates	1
00200	pH	EPA 150.1	1	03/30/2007 20:00	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/06/2007 10:01	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/06/2007 10:01	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/30/2007 15:01	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/11/2007 22:14	Courtney A Shoff	1
00224	Chloride	EPA 300.0	1	04/10/2007 19:24	Ashley M Heckman	5
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/10/2007 10:40	Nicole M Kepley	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/07/2007 17:35	Susan A Engle	1
06914	Ammonia-Nitrogen	EPA 350.3	1	04/13/2007 09:00	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 08:23	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 19:19	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 19:19	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017922

OP-VP-004,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 18:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP042

00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 19:19	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 00:00	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/04/2007 11:45	Nancy J Shoop	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5017923

OP-VP-008,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 08:30 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP081

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	4.16	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.380	0.0050	mg/l	1
00200	pH	n.a.	7.5	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	691.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	5.2	0.20	mg/l	2
00224	Chloride	16887-00-6	26.5	8.0	mg/l	20
00345	Total Phosphorus as PO4 water	14265-44-2	2.7	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	43.5	10.0	mg/l	2
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.48	0.48	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.048	0.048	ug/l	1
05286	2,4,5-T	93-76-5	< 0.048	0.048	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.48	0.48	ug/l	1
05289	Dicamba	1918-00-9	< 0.29	0.29	ug/l	1
05290	MCPP	93-65-2	< 190.	190.	ug/l	1
05291	MCPA	94-74-6	< 970.	970.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.48	0.48	ug/l	1
05293	2,4-DB	94-82-6	< 0.97	0.97	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.048	0.048	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017923

OP-VP-008,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 08:30 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP081

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5017923

OP-VP-008,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 08:30 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
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Suite E
Okemos MI 48864

VP081

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/10/2007 14:05	Joanne M Gates	1
07035	Arsenic	SW-846 6010B	1	04/10/2007 14:05	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	04/10/2007 14:05	Joanne M Gates	1
00200	pH	EPA 150.1	1	03/30/2007 20:00	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/04/2007 13:06	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/04/2007 13:06	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/30/2007 15:05	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/11/2007 22:16	Courtney A Shoff	2
00224	Chloride	EPA 300.0	1	04/06/2007 21:22	Ashley M Heckman	20
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/10/2007 10:41	Nicole M Kepley	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/07/2007 17:35	Susan A Engle	2
06914	Ammonia-Nitrogen	EPA 350.3	1	04/13/2007 09:00	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 08:51	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 17:51	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 17:51	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017923

OP-VP-008,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 08:30 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 17:51	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 00:00	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/04/2007 11:45	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017924

OP-VP-008,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 10:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
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Okemos MI 48864

VP082

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	7.71	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.386	0.0050	mg/l	1
00200	pH	n.a.	7.5	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	626.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.83	0.10	mg/l	1
00224	Chloride	16887-00-6	22.3	8.0	mg/l	20
00345	Total Phosphorus as PO4 water	14265-44-2	1.1	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	< 50.0	50.0	mg/l	10
	The reporting limit for the analyte above was raised due to matrix interference.					
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.48	0.48	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.048	0.048	ug/l	1
05286	2,4,5-T	93-76-5	< 0.048	0.048	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.48	0.48	ug/l	1
05289	Dicamba	1918-00-9	< 0.29	0.29	ug/l	1
05290	MCPP	93-65-2	< 190.	190.	ug/l	1
05291	MCPA	94-74-6	< 970.	970.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.48	0.48	ug/l	1
05293	2,4-DB	94-82-6	< 0.97	0.97	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.048	0.048	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017924

OP-VP-008,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 10:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP082

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017924

OP-VP-008,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 10:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP082

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/10/2007 14:09	Joanne M Gates	1
07035	Arsenic	SW-846 6010B	1	04/10/2007 14:09	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	04/10/2007 14:09	Joanne M Gates	1
00200	pH	EPA 150.1	1	03/30/2007 20:00	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/04/2007 13:06	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/04/2007 13:06	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/30/2007 15:06	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/12/2007 12:59	Nicole M Kepley	1
00224	Chloride	EPA 300.0	1	04/06/2007 21:38	Ashley M Heckman	20
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/10/2007 10:42	Nicole M Kepley	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/07/2007 17:35	Susan A Engle	10
06914	Ammonia-Nitrogen	EPA 350.3	1	04/13/2007 09:00	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 09:19	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 20:03	Kenneth L Boley Jr	1

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Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Lancaster Laboratories Sample No. WW 5017924

OP-VP-008,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 10:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP082

08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 20:03	Kenneth L Boley Jr	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 20:03	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 00:00	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/04/2007 11:45	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017925

OP-VP-008,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 10:10 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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VP083

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	4.01	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.249	0.0050	mg/l	1
00200	pH	n.a.	7.5	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	605.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	0.87	0.10	mg/l	1
00224	Chloride	16887-00-6	22.8	8.0	mg/l	20
00345	Total Phosphorus as PO4 water	14265-44-2	2.3	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	47.9	20.0	mg/l	4
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.50	0.50	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.050	0.050	ug/l	1
05286	2,4,5-T	93-76-5	< 0.050	0.050	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.50	0.50	ug/l	1
05289	Dicamba	1918-00-9	< 0.30	0.30	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 1,000.	1,000.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.50	0.50	ug/l	1
05293	2,4-DB	94-82-6	< 1.0	1.0	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.050	0.050	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017925

OP-VP-008,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 10:10 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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VP083

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5017925

OP-VP-008,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 10:10 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/10/2007 14:13	Joanne M Gates	1
07035	Arsenic	SW-846 6010B	1	04/10/2007 14:13	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	04/10/2007 14:13	Joanne M Gates	1
00200	pH	EPA 150.1	1	03/30/2007 20:00	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/04/2007 13:06	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/04/2007 13:06	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/30/2007 15:07	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/12/2007 13:00	Nicole M Kepley	1
00224	Chloride	EPA 300.0	1	04/06/2007 21:55	Ashley M Heckman	20
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/10/2007 10:44	Nicole M Kepley	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/07/2007 17:35	Susan A Engle	4
06914	Ammonia-Nitrogen	EPA 350.3	1	04/13/2007 09:00	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 09:47	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 18:13	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 18:13	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017925

OP-VP-008,20'-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 10:10 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:16
Discard: 05/14/2007

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VP083

00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 18:13	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 00:00	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/04/2007 11:45	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017926

OP-VP-009,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 11:45 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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Suite E
Okemos MI 48864

VP091

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	< 0.10	0.10	mg/l	1
08273	TPH by NWTPH-Gx waters					
01645	TPH by NWTPH-Gx waters	n.a.	1,200.	250.	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	6.	5.	ug/l	1
05417	o-Xylene	95-47-6	16.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017926

OP-VP-009,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 11:45 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
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Okemos MI 48864

VP091

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	13.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	69.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	12.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	120.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5017926

OP-VP-009,10'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 11:45 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
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Suite E
Okemos MI 48864

VP091

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00219	Nitrite Nitrogen	EPA 353.2	1	03/30/2007 15:09	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/12/2007 13:01	Nicole M Kepley	1
08273	TPH by NWTPH-Gx waters	ECY 97-602 NWTPH-Gx modified	1	04/11/2007 12:49	Steven A Skiles	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 15:19	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 15:19	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	04/11/2007 12:49	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 15:19	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017927

OP-VP-009,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 13:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP092

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	35.0	0.200	mg/l	1
07035	Arsenic	7440-38-2	0.137	0.0200	mg/l	1
07058	Manganese	7439-96-5	2.14	0.0050	mg/l	1
00200	pH	n.a.	7.4	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	382.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	1.8	0.10	mg/l	1
00224	Chloride	16887-00-6	565.	80.0	mg/l	200
00345	Total Phosphorus as PO4 water	14265-44-2	10.8	0.62	mg/l	2
01125	Sulfate (turbidimetric)	14808-79-8	< 100.	100.	mg/l	20
	The reporting limit for the analyte above was raised due to matrix interference.					
06914	Ammonia-Nitrogen	7664-41-7	0.18	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.49	0.49	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.049	0.049	ug/l	1
05286	2,4,5-T	93-76-5	< 0.049	0.049	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.49	0.49	ug/l	1
05289	Dicamba	1918-00-9	< 0.29	0.29	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 980.	980.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.49	0.49	ug/l	1
05293	2,4-DB	94-82-6	< 0.98	0.98	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.049	0.049	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017927

OP-VP-009,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 13:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP092

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	7.	5.	ug/l	1
05417	o-Xylene	95-47-6	20.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	6.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	89.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	16.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017927

OP-VP-009,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 13:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP092

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	180.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/10/2007 14:17	Joanne M Gates	1
07035	Arsenic	SW-846 6010B	1	04/10/2007 14:17	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	04/10/2007 14:17	Joanne M Gates	1
00200	pH	EPA 150.1	1	03/30/2007 20:00	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/06/2007 10:01	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/06/2007 10:01	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/30/2007 15:12	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/12/2007 13:05	Nicole M Kepley	1
00224	Chloride	EPA 300.0	1	04/10/2007 19:40	Ashley M Heckman	200
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/10/2007 11:52	Nicole M Kepley	2
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/07/2007 17:35	Susan A Engle	20
06914	Ammonia-Nitrogen	EPA 350.3	1	04/13/2007 09:00	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 10:44	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 20:47	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017927

OP-VP-009,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007 13:00 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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VP092

08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 20:47	Kenneth L Boley Jr	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 20:47	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 00:00	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/04/2007 11:45	Nancy J Shoop	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017929

TB-5 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP0T5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017929

TB-5 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
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Okemos MI 48864

VP0T5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

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Analysis Report

Lancaster Laboratories Sample No. WW 5017929

TB-5 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

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VP0T5

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 22:57	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 22:57	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 22:57	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017930

TB-6 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP0T6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017930

TB-6 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP0T6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

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Analysis Report

Lancaster Laboratories Sample No. WW 5017930

TB-6 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP0T6

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 16:46	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 16:46	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 16:46	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017931

TB-7 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
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Suite E
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VP0T7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017931

TB-7 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP0T7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

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Analysis Report

Lancaster Laboratories Sample No. WW 5017931

TB-7 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP0T7

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 17:08	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 17:08	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 17:08	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017932

TB-8 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP0T8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017932

TB-8 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP0T8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5017932

TB-8 Water Sample

Bee Jay Scales Site/67201
Collected:03/29/2007

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP0T8

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 17:30	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 17:30	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 17:30	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017933

OP-VP-006,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 15:40 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP061

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	7.64	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	1.25	0.0050	mg/l	1
00200	pH	n.a.	7.3	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	463.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	0.63	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	2.9	0.10	mg/l	1
00224	Chloride	16887-00-6	70.6	8.0	mg/l	20
00345	Total Phosphorus as PO4 water	14265-44-2	7.5	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	474.	100.	mg/l	20
06914	Ammonia-Nitrogen	7664-41-7	121.	2.0	mg/l	20
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.49	0.49	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.049	0.049	ug/l	1
05286	2,4,5-T	93-76-5	< 0.049	0.049	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.49	0.49	ug/l	1
05289	Dicamba	1918-00-9	< 0.30	0.30	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 990.	990.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.49	0.49	ug/l	1
05293	2,4-DB	94-82-6	< 0.99	0.99	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.049	0.049	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017933

OP-VP-006,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 15:40 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP061

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5017933

OP-VP-006,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 15:40 by ACZ

Account Number: 11842

Submitted: 03/30/2007 09:10
Reported: 04/13/2007 at 15:17
Discard: 05/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP061

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	04/10/2007 14:21	Joanne M Gates	1
07035	Arsenic	SW-846 6010B	1	04/10/2007 14:21	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	04/10/2007 14:21	Joanne M Gates	1
00200	pH	EPA 150.1	1	03/30/2007 20:00	Luz M Groff	1
00201	Alkalinity to pH 8.3	EPA 310.1	1	04/04/2007 13:06	Susan A Engle	1
00202	Alkalinity to pH 4.5	EPA 310.1	1	04/04/2007 13:06	Susan A Engle	1
00219	Nitrite Nitrogen	EPA 353.2	1	03/30/2007 15:14	Venia B McFadden	1
00220	Nitrate Nitrogen	EPA 353.2	1	04/12/2007 13:06	Nicole M Kepley	1
00224	Chloride	EPA 300.0	1	04/07/2007 00:55	Ashley M Heckman	20
00345	Total Phosphorus as PO4 water	EPA 365.1	1	04/10/2007 10:46	Nicole M Kepley	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	04/07/2007 17:35	Susan A Engle	20
06914	Ammonia-Nitrogen	EPA 350.3	1	04/13/2007 09:00	Michelle L Lalli	20
01856	Herbicides in Water	SW-846 8151A	1	04/04/2007 11:12	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	04/10/2007 21:30	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	04/10/2007 21:30	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5017933

OP-VP-006,20'-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:03/28/2007 15:40 by ACZ

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Submitted: 03/30/2007 09:10
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SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

VP061

00816	Water Sample Herbicide Extract	SW-846 8151A	1	04/02/2007 23:30	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	04/10/2007 21:30	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	04/01/2007 00:00	Suzette L Lehman	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	04/04/2007 11:45	Nancy J Shoop	1

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031594
Reported: 04/13/07 at 03:17 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07089020001B	Sample number(s): 5017921-5017925,5017927,5017933							
pH				100		99-101		
Batch number: 07089105101A	Sample number(s): 5017921-5017927,5017933							
Nitrite Nitrogen	< 0.050	0.050	mg/l	95		90-110		
Batch number: 070895705007	Sample number(s): 5017921-5017925,5017927,5017933							
Iron	< 0.200	0.200	mg/l	102		90-112		
Arsenic	< 0.0200	0.0200	mg/l	105		90-119		
Manganese	< 0.0050	0.0050	mg/l	101		90-110		
Batch number: 070920010A	Sample number(s): 5017921-5017925,5017927,5017933							
2,4-D	< 0.50	0.50	ug/l	84	92	50-144	9	30
2,4,5-TP	< 0.050	0.050	ug/l	92	96	52-140	4	30
2,4,5-T	< 0.050	0.050	ug/l	96	100	39-143	4	30
Dalapon	< 1.3	1.3	ug/l	56	63	31-113	13	30
Dinoseb	< 0.50	0.50	ug/l	51	53	19-96	4	30
Dicamba	< 0.30	0.30	ug/l	80	84	59-134	5	30
MCPP	< 200.	200.	ug/l	76	80	42-126	5	30
MCPA	< 1,000.	1,000.	ug/l	61	62	16-139	2	30
2,4-DP (Dichlorprop)	< 0.50	0.50	ug/l	108	108	76-127	0	30
2,4-DB	< 1.0	1.0	ug/l	68	76	41-163	11	30
Pentachlorophenol	< 0.050	0.050	ug/l	88	92	61-121	4	30
Batch number: 07094020202A	Sample number(s): 5017921,5017923-5017925,5017933							
Alkalinity to pH 4.5				100		98-103		
Batch number: 07094110101A	Sample number(s): 5017921-5017925,5017927,5017933							
Total Phosphorus as PO4 water	< 0.31	0.31	mg/l	96		90-110		
Batch number: 07095A07B	Sample number(s): 5017926							
TPH by NWTPH-Gx waters	< 250.	250.	ug/l	88	109	75-135	22	30
Batch number: 07096020201A	Sample number(s): 5017922,5017927							
Alkalinity to pH 4.5				99		98-103		
Batch number: 07096196101A	Sample number(s): 5017921-5017925,5017927							
Chloride	< 0.40	0.40	mg/l	96		90-110		
Batch number: 07096196101B	Sample number(s): 5017933							
Chloride	< 0.40	0.40	mg/l	96		90-110		
Batch number: 07097112502A	Sample number(s): 5017921-5017925,5017927,5017933							
Sulfate (turbidimetric)	< 5.0	5.0	mg/l	102		90-110		
Batch number: 07101106101B	Sample number(s): 5017921-5017923							
Nitrate Nitrogen	< 0.10	0.10	mg/l	101		90-110		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031594
Reported: 04/13/07 at 03:17 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07102106101B	Sample number(s): 5017924-5017927,5017933							
Nitrate Nitrogen	< 0.10	0.10	mg/l	105		90-110		
Batch number: 07103691401A	Sample number(s): 5017921-5017925,5017927,5017933							
Ammonia-Nitrogen	< 0.10	0.10	mg/l	109		90-110		
Batch number: Y071001AA	Sample number(s): 5017921-5017927,5017929-5017933							
Methyl Tertiary Butyl Ether	< 5.	5.	ug/l	97		73-119		
Ethyl ether	< 5.	5.	ug/l	92		30-148		
Tetrahydrofuran	< 10.	10.	ug/l	85		65-130		
Dichlorodifluoromethane	< 5.	5.	ug/l	58		26-157		
Chloromethane	< 5.	5.	ug/l	68		47-132		
Vinyl Chloride	< 5.	5.	ug/l	71		54-123		
Bromomethane	< 5.	5.	ug/l	74		47-129		
Chloroethane	< 5.	5.	ug/l	73		57-125		
Trichlorofluoromethane	< 5.	5.	ug/l	82		57-141		
1,1-Dichloroethene	< 5.	5.	ug/l	96		76-122		
Methylene Chloride	< 5.	5.	ug/l	99		85-120		
trans-1,2-Dichloroethene	< 5.	5.	ug/l	101		83-117		
1,1-Dichloroethane	< 5.	5.	ug/l	98		83-127		
cis-1,2-Dichloroethene	< 5.	5.	ug/l	99		84-117		
Chloroform	< 5.	5.	ug/l	97		86-124		
Bromochloromethane	< 5.	5.	ug/l	101		83-121		
1,1,1-Trichloroethane	< 5.	5.	ug/l	99		83-127		
Carbon Tetrachloride	< 5.	5.	ug/l	95		77-130		
Benzene	< 5.	5.	ug/l	97		78-119		
1,2-Dichloroethane	< 5.	5.	ug/l	100		77-132		
Trichloroethene	< 5.	5.	ug/l	99		87-117		
1,2-Dichloropropane	< 5.	5.	ug/l	98		80-117		
Dibromomethane	< 5.	5.	ug/l	97		87-117		
Bromodichloromethane	< 5.	5.	ug/l	102		83-121		
Toluene	< 5.	5.	ug/l	95		85-115		
1,1,2-Trichloroethane	< 5.	5.	ug/l	95		86-113		
Tetrachloroethene	< 5.	5.	ug/l	97		74-125		
Dibromochloromethane	< 5.	5.	ug/l	101		78-119		
1,2-Dibromoethane	< 5.	5.	ug/l	95		81-114		
Chlorobenzene	< 5.	5.	ug/l	95		85-115		
1,1,1,2-Tetrachloroethane	< 5.	5.	ug/l	95		83-114		
Ethylbenzene	< 5.	5.	ug/l	94		82-119		
m+p-Xylene	< 5.	5.	ug/l	95		83-113		
o-Xylene	< 5.	5.	ug/l	96		83-113		
Styrene	< 5.	5.	ug/l	90		82-111		
Bromoform	< 5.	5.	ug/l	92		69-118		
Isopropylbenzene	< 5.	5.	ug/l	92		80-120		
1,1,2,2-Tetrachloroethane	< 5.	5.	ug/l	92		72-119		
Bromobenzene	< 5.	5.	ug/l	96		82-110		
1,2,3-Trichloropropane	< 5.	5.	ug/l	95		78-117		
n-Propylbenzene	< 5.	5.	ug/l	95		78-119		
1,3,5-Trimethylbenzene	< 5.	5.	ug/l	93		78-116		
tert-Butylbenzene	< 5.	5.	ug/l	93		74-114		
1,2,4-Trimethylbenzene	< 5.	5.	ug/l	93		78-117		
sec-Butylbenzene	< 5.	5.	ug/l	94		72-120		
p-Isopropyltoluene	< 5.	5.	ug/l	95		72-118		
1,3-Dichlorobenzene	< 5.	5.	ug/l	94		81-114		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031594
Reported: 04/13/07 at 03:17 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,4-Dichlorobenzene	< 5.	5.	ug/l	93		84-116		
n-Butylbenzene	< 5.	5.	ug/l	91		75-120		
1,2-Dichlorobenzene	< 5.	5.	ug/l	93		81-112		
1,2-Dibromo-3-chloropropane	< 5.	5.	ug/l	88		62-128		
1,2,4-Trichlorobenzene	< 5.	5.	ug/l	89		65-114		
Naphthalene	< 5.	5.	ug/l	88		61-116		
1,2,3-Trichlorobenzene	< 5.	5.	ug/l	91		67-114		
Acetone	< 20.	20.	ug/l	94		32-200		
Carbon Disulfide	< 5.	5.	ug/l	94		69-119		
2-Butanone	< 10.	10.	ug/l	92		52-163		
trans-1,3-Dichloropropene	< 5.	5.	ug/l	91		79-114		
cis-1,3-Dichloropropene	< 5.	5.	ug/l	96		78-114		
4-Methyl-2-pentanone	< 10.	10.	ug/l	90		70-130		
2-Hexanone	< 10.	10.	ug/l	90		61-140		
Methyl Iodide	< 5.	5.	ug/l	95		70-116		
Acrylonitrile	< 20.	20.	ug/l	90		67-128		
trans-1,4-Dichloro-2-butene	< 50.	50.	ug/l	89		49-135		
2-Methylnaphthalene	< 5.	5.	ug/l	78		25-133		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07089020001B	Sample number(s): 5017921-5017925,5017927,5017933 BKG: P017740								
pH						6.6	6.6	0	1
Batch number: 07089105101A	Sample number(s): 5017921-5017927,5017933 UNSPK: 5017922 BKG: 5017922								
Nitrite Nitrogen	94		90-110			< 0.050	< 0.050	0 (1)	20
Batch number: 070895705007	Sample number(s): 5017921-5017925,5017927,5017933 UNSPK: P016939 BKG: P016939								
Iron	(2)	(2)	75-125	27*	20	93.5	94.6	1	20
Arsenic	16*	9*	75-125	5	20	0.153	0.157	2	20
Manganese	75	84	75-125	2	20	1.48	1.45	2	20
Batch number: 07094020202A	Sample number(s): 5017921,5017923-5017925,5017933 UNSPK: P017207 BKG: P017207								
Alkalinity to pH 8.3						< 2.0	< 2.0	0 (1)	4
Alkalinity to pH 4.5	90	88	64-130	1	2	78.3	77.5	1	4
Batch number: 07094110101A	Sample number(s): 5017921-5017925,5017927,5017933 UNSPK: P017456 BKG: P017456								
Total Phosphorus as PO4 water	97		90-110			< 0.31	< 0.31	0 (1)	3
Batch number: 07095A07B	Sample number(s): 5017926 UNSPK: P021510								
TPH by NWTPH-Gx waters	108		63-154						
Batch number: 07096020201A	Sample number(s): 5017922,5017927 UNSPK: P017737 BKG: P017737								
Alkalinity to pH 8.3						< 2.0	< 2.0	0 (1)	4
Alkalinity to pH 4.5	98	97	64-130	1	2	150.	154.	3	4
Batch number: 07096196101A	Sample number(s): 5017921-5017925,5017927 UNSPK: P023098 BKG: P023098								
Chloride	96		90-110			90.1	89.6	1	3

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031594
Reported: 04/13/07 at 03:17 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07096196101B	Sample number(s): 5017933 UNSPK: P017370 BKG: P017370								
Chloride	107		90-110			117.	114.	2	3
Batch number: 07097112502A	Sample number(s): 5017921-5017925,5017927,5017933 UNSPK: P021336 BKG: P021336								
Sulfate (turbidimetric)	94	92	66-134	1	6	1,180.	1,140.	4 (1)	4
Batch number: 07101106101B	Sample number(s): 5017921-5017923 UNSPK: P017516 BKG: P017516								
Nitrate Nitrogen	112*		90-110			< 0.50	0.59	53* (1)	2
Batch number: 07102106101B	Sample number(s): 5017924-5017927,5017933 UNSPK: P017658 BKG: P017658								
Nitrate Nitrogen	121*		90-110			1.5	1.5	1	2
Batch number: 07103691401A	Sample number(s): 5017921-5017925,5017927,5017933 UNSPK: P026310 BKG: P026310								
Ammonia-Nitrogen	112	112	24-164	0	9	< 0.10	< 0.10	200* (1)	12
Batch number: Y071001AA	Sample number(s): 5017921-5017927,5017929-5017933 UNSPK: 5017926								
Methyl Tertiary Butyl Ether	94	103	69-127	9	30				
Ethyl ether	84	92	31-154	10	30				
Tetrahydrofuran	85	90	53-138	6	30				
Dichlorodifluoromethane	62	67	31-185	8	30				
Chloromethane	66	74	46-149	11	30				
Vinyl Chloride	73	81	54-143	10	30				
Bromomethane	75	80	52-141	7	30				
Chloroethane	75	81	56-140	9	30				
Trichlorofluoromethane	88	95	64-165	7	30				
1,1-Dichloroethene	100	111	87-145	10	30				
Methylene Chloride	99	110	79-133	10	30				
trans-1,2-Dichloroethene	100	109	82-133	9	30				
1,1-Dichloroethane	98	107	85-135	9	30				
cis-1,2-Dichloroethene	99	108	83-126	8	30				
Chloroform	99	108	83-139	8	30				
Bromochloromethane	99	111	82-129	11	30				
1,1,1-Trichloroethane	100	108	81-142	8	30				
Carbon Tetrachloride	96	105	82-149	8	30				
Benzene	98	108	83-128	9	30				
1,2-Dichloroethane	99	106	70-143	6	30				
Trichloroethene	98	107	83-136	8	30				
1,2-Dichloropropane	99	105	83-129	6	30				
Dibromomethane	95	105	82-128	11	30				
Bromodichloromethane	100	109	80-129	8	30				
Toluene	95	102	83-127	7	30				
1,1,2-Trichloroethane	101	109	77-125	8	30				
Tetrachloroethene	89	98	78-133	10	30				
Dibromochloromethane	99	108	82-119	8	30				
1,2-Dibromoethane	92	102	78-120	10	30				
Chlorobenzene	93	102	83-120	10	30				
1,1,1,2-Tetrachloroethane	93	100	83-119	7	30				
Ethylbenzene	90	99	82-129	9	30				
m+p-Xylene	88	101	82-130	11	30				
o-Xylene	94	104	82-130	5	30				
Styrene	91	99	69-131	8	30				
Bromoform	89	100	64-119	11	30				

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031594
Reported: 04/13/07 at 03:17 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Isopropylbenzene	87	98	81-130	10	30				
1,1,2,2-Tetrachloroethane	91	97	73-121	6	30				
Bromobenzene	89	98	83-121	10	30				
1,2,3-Trichloropropane	91	99	73-125	8	30				
n-Propylbenzene	83	94	74-138	10	30				
1,3,5-Trimethylbenzene	16*	26*	77-124	11	30				
tert-Butylbenzene	87	96	76-128	9	30				
1,2,4-Trimethylbenzene	68*	87	80-125	4	30				
sec-Butylbenzene	78	91	73-137	13	30				
p-Isopropyltoluene	80	90	72-128	10	30				
1,3-Dichlorobenzene	86	95	79-123	10	30				
1,4-Dichlorobenzene	87	94	81-122	8	30				
n-Butylbenzene	75	89	73-134	15	30				
1,2-Dichlorobenzene	86	94	82-117	7	30				
1,2-Dibromo-3-chloropropane	106	118	52-137	10	30				
1,2,4-Trichlorobenzene	85	98	60-121	13	30				
Naphthalene	92	108	50-124	10	30				
1,2,3-Trichlorobenzene	86	99	65-127	14	30				
Acetone	94	102	48-143	8	30				
Carbon Disulfide	97	106	74-135	9	30				
2-Butanone	89	99	57-137	10	30				
trans-1,3-Dichloropropene	91	99	77-123	9	30				
cis-1,3-Dichloropropene	94	102	80-126	8	30				
4-Methyl-2-pentanone	91	100	68-133	9	30				
2-Hexanone	88	96	60-135	9	30				
Methyl Iodide	97	105	72-128	9	30				
Acrylonitrile	86	97	63-132	12	30				
trans-1,4-Dichloro-2-butene	85	90	37-141	6	30				
2-Methylnaphthalene	(2)	(2)	26-134	7	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Herbicides in Water
Batch number: 070920010A

	2,4-Dichlorophenylacetic acid
5017921	93
5017922	110
5017923	86
5017924	98
5017925	108
5017927	115
5017933	104
Blank	80
LCS	89

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1031594
Reported: 04/13/07 at 03:17 PM

Surrogate Quality Control

LCSD	93
Limits:	31-137

Analysis Name: TPH by NWTPH-Gx waters
Batch number: 07095A07B

	Trifluorotoluene-F
5017926	99
Blank	79
LCS	107
LCSD	108
MS	107
Limits:	63-135

Analysis Name: EPA SW846/8260 (water)
Batch number: Y071001AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5017921	85	83	82	81
5017922	84	83	82	81
5017923	85	87	83	83
5017924	86	86	82	81
5017925	84	85	82	81
5017926	85	83	82	85
5017927	87	87	82	85
5017929	86	82	81	79
5017930	86	83	82	81
5017931	84	83	82	81
5017932	85	85	82	82
5017933	85	84	83	81
Blank	86	84	83	81
LCS	85	83	83	86
MS	84	81	83	86
MSD	85	83	84	85
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Chevron Generic Analysis Request/Chain of Custody

007861

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11842 Sample #: 1031594/5017921-33 SCR#:

Facility #: BeeJay Scales
Site Address: 116 N 1st Street, Sunnyside, WA
Chevron PM: Michael Coats Lead Consultant: SECOR
Consultant/Office: Portland-OIS
Consultant Prj. Mgr.: Mark Trewartha
Consultant Phone #: 503-691-2030 Fax #:
Sampler: ACZ & JD
Service Order #: ☐ Non SAR:

Matrix: ☐ Potable ☐ NPDES

Analyses Requested — Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☐ Naphth ☐	~~8260 full scan~~ 8260B VOCs	~~Oxygenates~~ Alkalinity 310.1	~~TPH~~ G 150.1 pH/ 375.4 sulfate/ 300 chloride	~~TPH D~~ ☐ Extended Rng. ☐ Silica Gel Cleanup Nitrate 353.2	~~Total Total~~ ☐ ~~Pb~~ ☐ ~~Method~~	~~NPH/EPH~~ Nitrite 353.2	NWTPH H HCID ☐ quantification	Ar, Fe, Manganese 6010B	Ammonia 350.3 / Phosphate 365.1	Herbicides 8151A	Comments / Remarks
OP-VP-004, 20'-0	03-28-07	1700	X			X		11		X	X	X	X		X		X	X	X	
OP-VP-004, 20'-2	↓	1800	↓			↓		↓		↓	↓	↓	↓		↓		↓	↓	↓	
OP-VP-008, 10'-0	03-29-07	0830	↓			↓		↓		↓	↓	↓	↓		↓		↓	↓	↓	
OP-VP-008, 20'-0	↓	1000	↓			↓		↓		↓	↓	↓	↓		↓		↓	↓	↓	
OP-VP-008, 20'-2	↓	1010	↓			↓		↓		↓	↓	↓	↓		↓		↓	↓	↓	
OP-VP-009, 10'-0	↓	1145	↓			↓		8		↓						X				—VOAs ONLY
OP-VP-009, 20'-0	↓	1300	↓			↓		11		↓	X	X	X		X		X	X	X	
OP-VP-009, 18'-0	↓	1210	X		X			1		↓						X				
TB-5	↓	–								↓										
TB-6	↓	–								↓										
TB-7	↓	–								↓										

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	03-29-07	1403			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other _____			Received by: [signature]	3/30/07	0910
Temperature Upon Receipt 2.2-4.6 C°			Custody Seals Intact? Yes No		

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3566 Rev. 1/31/02

Chevron Generic Analysis Request/Chain of Custody

007861

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11842 Sample #: 1031594/6017921-33 SCR#:

Facility #: BeeJay Scales
Site Address: 116 N 1st Street, Sunnyside, WA
Chevron PM: Michael Coats Lead Consultant: SECOR
Consultant/Office: Portland-OIS
Consultant Prj. Mgr.: Mark Trewartha
Consultant Phone #: 503-691-2030 Fax #:
Sampler: ACZ & JD
Service Order #: ☐ Non SAR:

Matrix: ☐ Potable ☐ NPDES

Analyses Requested — Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8021 ☐ 8260 ☐ Naphth ☐	8260B VOCs	Alkalinity 310.1	pH/sulfate/chloride	Nitrate 353.2		VPH/EPH	TPH	Ar, Fe, Manganese 6010B	Ammonia/Phosphate 350.3	Herbicides 8151A	
OP-VP-004, 20'-0	03-28-07	1700	X			X		11		X	X	X	X		X		X	X	X	
OP-VP-004, 20'-2	↓	1800																		
OP-VP-008, 10'-0	03-29-07	0830																		
OP-VP-008, 20'-0		1000																		
OP-VP-008, 20'-2		1010																		
OP-VP-009, 10'-0		1145						8		X			X		X	X		MRP		~~VOAs ONLY~~
OP-VP-009, 20'-0		1300						11			X	X	X		X		X	X	X	
~~OP-VP-009, 18'-0~~		~~12-10~~	X		X			1								X				VOID-MRP
TB-5		-																		
TB-6		-																		
TB-7		-																		

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	03-29-07	1403			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other _____			Received by:	Date	Time
Temperature Upon Receipt _____ C°			Custody Seals Intact? Yes No		

Lancaster Laboratories

TO: Our Valued Clients

SUBJECT: Method Update Rule

Background:
On March 12, 2007, the USEPA published a revision to the Code of Federal Regulations at 40 CFR 136 and 40 CFR 141 in the Federal Register. This Method Update Rule (MUR) contains revised approved methods tables and revised sample collection, preservation and holding time requirements, affecting the testing requirement for both non-potable and drinking water. This Method Update Rule is a final ruling and became effective on April 11, 2007.

A copy of the Method Update Rule is available online: http:/www.epa.gov/fedrgstr/EPA-WATER/2007/March/Day-12/w1073.pdf.

Action:
Lancaster Laboratories, Inc. has performed a thorough review of the MUR and has systems in place to analyze samples by the compliant method. In most cases, these methods are being replaced by equivalent methods using the same testing techniques. It is important that you review all of your NPDES Permits and other regulatory mandates to determine if you are required to use one of the outdated (removed) methods. You may continue to use these methods ONLY if you provide a copy of the permit/regulatory mandate to the laboratory to be kept on file. If the requested documentation has not been submitted to Lancaster Laboratories by June 1, 2007, your samples will be analyzed and reported by a method that is listed in the current MUR.

Please contact your Client Service Representative to request a change to the approved methods prior to June 1, 2007.

Please contact your Client Service Representative if you need assistance.

Thank you.

Lancaster Laboratories, Inc.
Environmental Client Services

April 2007

Lancaster Laboratories, Inc. • 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared for:

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

517-349-9499

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1039686. Samples arrived at the laboratory on Thursday, May 24, 2007. The PO# for this group is 24CH,67201.00.0024 and the release number is BEE-JAY SCALES.

Client Description	Lancaster Labs Number
OP-VP-010,10-0 Grab Water Sample	5062946
OP-VP-010,20-0 Grab Water Sample	5062947
OP-VP-011,10-0 Grab Water Sample	5062948
OP-VP-011,20-0 Grab Water Sample	5062949
OP-VP-011,20-1 Grab Water Sample	5062950
OP-VP-010,20-2 Grab Water Sample	5062951
TB-1 Water Sample	5062952
TB-2 Water Sample	5062953
TB-3 Water Sample	5062954

ELECTRONIC COPY TO SECOR International, Inc. Attn: Marisa Patterson

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,

Melissa A McDermott

Melissa A. McDermott
Senior Chemist

Lancaster Laboratories

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Lancaster Laboratories Sample No. WW 5062946

OP-VP-010,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 13:15 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:14
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V1010

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	< 0.200	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.142	0.0050	mg/l	1
00200	pH	n.a.	7.6	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	512.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	0.13	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	6.6	0.50	mg/l	5
00224	Chloride	16887-00-6	92.9	40.0	mg/l	100
00345	Total Phosphorus as PO4 water	14265-44-2	< 0.31	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	202.	50.0	mg/l	10
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.49	0.49	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.049	0.049	ug/l	1
05286	2,4,5-T	93-76-5	< 0.049	0.049	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.49	0.49	ug/l	1
05289	Dicamba	1918-00-9	< 0.29	0.29	ug/l	1
05290	MCPP	93-65-2	< 190.	190.	ug/l	1
05291	MCPA	94-74-6	< 970.	970.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.49	0.49	ug/l	1
05293	2,4-DB	94-82-6	< 0.97	0.97	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.049	0.049	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062946

OP-VP-010,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 13:15 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:14
Discard: 07/22/2007

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Okemos MI 48864

V1010

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5062946

OP-VP-010,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 13:15 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:14
Discard: 07/22/2007

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	06/02/2007 13:25	Damary Valentin	1
07035	Arsenic	SW-846 6010B	1	06/02/2007 13:25	Damary Valentin	1
07058	Manganese	SW-846 6010B	1	06/02/2007 13:25	Damary Valentin	1
00200	pH	SM20 4500 H/B	1	05/24/2007 22:20	Luz M Groff	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00202	Alkalinity to pH 4.5	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00219	Nitrite Nitrogen	EPA 353.2	1	05/24/2007 12:48	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	06/01/2007 20:58	Courtney A Shoff	5
00224	Chloride	EPA 300.0	1	06/01/2007 12:52	Ashley M Heckman	100
00345	Total Phosphorus as PO4 water	EPA 365.1	1	05/29/2007 19:38	Venia B McFadden	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/05/2007 10:10	Susan A Engle	10
06914	Ammonia-Nitrogen	SM20 4500 NH3 D	1	05/29/2007 12:30	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	06/04/2007 03:40	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 18:45	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 18:45	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062946

OP-VP-010,10-0 Grab Water Sample

Bee Jay Scales Site/67201
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01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 18:45	Kenneth L Boley Jr	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	05/25/2007 12:15	Carolyn M Mastropietro	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	05/29/2007 10:10	Megersa Deyessa	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	05/28/2007 21:50	Karen L Beyer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062947

OP-VP-010,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 15:15 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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V1020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	2.02	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.285	0.0050	mg/l	1
00200	pH	n.a.	7.9	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	178.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	2.7	0.10	mg/l	1
00224	Chloride	16887-00-6	206.	40.0	mg/l	100
00345	Total Phosphorus as PO4 water	14265-44-2	10.0	0.62	mg/l	2
01125	Sulfate (turbidimetric)	14808-79-8	95.9	50.0	mg/l	10
06914	Ammonia-Nitrogen	7664-41-7	20.6	0.20	mg/l	2
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.50	0.50	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.050	0.050	ug/l	1
05286	2,4,5-T	93-76-5	< 0.050	0.050	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.50	0.50	ug/l	1
05289	Dicamba	1918-00-9	< 0.30	0.30	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 1,000.	1,000.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.50	0.50	ug/l	1
05293	2,4-DB	94-82-6	< 1.0	1.0	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.050	0.050	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062947

OP-VP-010,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 15:15 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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Suite E
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V1020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5062947

OP-VP-010,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 15:15 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
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V1020

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	06/02/2007 13:30	Damary Valentin	1
07035	Arsenic	SW-846 6010B	1	06/02/2007 13:30	Damary Valentin	1
07058	Manganese	SW-846 6010B	1	06/02/2007 13:30	Damary Valentin	1
00200	pH	SM20 4500 H/B	1	05/24/2007 22:20	Luz M Groff	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00202	Alkalinity to pH 4.5	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00219	Nitrite Nitrogen	EPA 353.2	1	05/24/2007 12:49	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	06/01/2007 20:59	Courtney A Shoff	1
00224	Chloride	EPA 300.0	1	06/01/2007 13:08	Ashley M Heckman	100
00345	Total Phosphorus as PO4 water	EPA 365.1	1	05/29/2007 20:27	Venia B McFadden	2
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/05/2007 10:10	Susan A Engle	10
06914	Ammonia-Nitrogen	SM20 4500 NH3 D	1	05/29/2007 12:30	Michelle L Lalli	2
01856	Herbicides in Water	SW-846 8151A	1	06/04/2007 04:09	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 19:07	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 19:07	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062947

OP-VP-010,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 15:15 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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V1020

08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	05/25/2007 12:15	Carolyn M Mastropietro	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	05/29/2007 10:10	Megersa Deyessa	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 19:07	Kenneth L Boley Jr	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	05/28/2007 21:50	Karen L Beyer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062948

OP-VP-011,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 08:20 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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V1110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	2.60	0.200	mg/l	1
07035	Arsenic	7440-38-2	0.795	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.156	0.0050	mg/l	1
00200	pH	n.a.	8.7	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	56.4	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	1,360.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	6.5	0.50	mg/l	10
00220	Nitrate Nitrogen	14797-55-8	133.	5.0	mg/l	50
00224	Chloride	16887-00-6	470.	40.0	mg/l	100
00345	Total Phosphorus as PO4 water	14265-44-2	30.9	3.1	mg/l	10
01125	Sulfate (turbidimetric)	14808-79-8	1,370.	250.	mg/l	50
06914	Ammonia-Nitrogen	7664-41-7	1,050.	100.	mg/l	1000
01856	Herbicides in Water					
01857	2,4-D	94-75-7	40.	5.0	ug/l	10
01858	2,4,5-TP	93-72-1	< 0.50	0.50	ug/l	10
05286	2,4,5-T	93-76-5	0.89	0.50	ug/l	10
05287	Dalapon	75-99-0	< 13.	13.	ug/l	10
05288	Dinoseb	88-85-7	20.	5.0	ug/l	10
05289	Dicamba	1918-00-9	8.3	3.0	ug/l	10
05290	MCPP	93-65-2	< 2,000.	2,000.	ug/l	10
05291	MCPA	94-74-6	< 10,000.	10,000.	ug/l	10
05292	2,4-DP (Dichlorprop)	120-36-5	< 5.0	5.0	ug/l	10
05293	2,4-DB	94-82-6	< 10.	10.	ug/l	10
08103	Pentachlorophenol	87-86-5	< 0.50	0.50	ug/l	10
	The LCS and LCSD recoveries for Dinoseb are outside the QC limits. Results from the reextraction are within the limits. The hold time had expired prior to the reextraction so all results are reported from the original extract. Similar results were obtained in both extracts.					
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062948

OP-VP-011,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 08:20 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V1110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	200.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	250.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	13.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	16.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	65.	5.	ug/l	1
05417	o-Xylene	95-47-6	30.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	9.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	25.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062948

OP-VP-011,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 08:20 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V1110

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05439	Naphthalene	91-20-3	14.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 6.

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	06/02/2007 13:35	Damary Valentin	1
07035	Arsenic	SW-846 6010B	1	06/02/2007 13:35	Damary Valentin	1
07058	Manganese	SW-846 6010B	1	06/02/2007 13:35	Damary Valentin	1
00200	pH	SM20 4500 H/B	1	05/24/2007 22:20	Luz M Groff	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00202	Alkalinity to pH 4.5	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062948

OP-VP-011,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 08:20 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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V1110

00219	Nitrite Nitrogen	EPA 353.2	1	05/24/2007 13:00	Nicole M Kepley	10
00220	Nitrate Nitrogen	EPA 353.2	1	06/01/2007 21:00	Courtney A Shoff	50
00224	Chloride	EPA 300.0	1	06/01/2007 13:24	Ashley M Heckman	100
00345	Total Phosphorus as PO4 water	EPA 365.1	1	05/29/2007 20:28	Venia B McFadden	10
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/05/2007 10:10	Susan A Engle	50
06914	Ammonia-Nitrogen	SM20 4500 NH3 D	1	05/29/2007 12:30	Michelle L Lalli	1000
01856	Herbicides in Water	SW-846 8151A	1	06/05/2007 11:40	John W Perkins	10
01856	Herbicides in Water	SW-846 8151A	1	06/12/2007 18:45	Michele D Hamilton	10
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 19:29	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 19:29	Kenneth L Boley Jr	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	05/25/2007 12:15	Carolyn M Mastropietro	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 19:29	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	05/29/2007 10:10	Megersa Deyessa	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	05/28/2007 21:50	Karen L Beyer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062949

OP-VP-011,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 10:20 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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Okemos MI 48864

V1120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	2.07	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.163	0.0050	mg/l	1
00200	pH	n.a.	8.3	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	753.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	3.1	0.50	mg/l	10
00220	Nitrate Nitrogen	14797-55-8	69.2	5.0	mg/l	50
00224	Chloride	16887-00-6	559.	40.0	mg/l	100
00345	Total Phosphorus as PO4 water	14265-44-2	3.5	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	1,100.	250.	mg/l	50
06914	Ammonia-Nitrogen	7664-41-7	302.	2.0	mg/l	20
01856	Herbicides in Water					
01857	2,4-D	94-75-7	51.	4.9	ug/l	10
01858	2,4,5-TP	93-72-1	< 0.49	0.49	ug/l	10
05286	2,4,5-T	93-76-5	0.75	0.49	ug/l	10
05287	Dalapon	75-99-0	< 12.	12.	ug/l	10
05288	Dinoseb	88-85-7	6.6	4.9	ug/l	10
05289	Dicamba	1918-00-9	15.	7.4	ug/l	25
05290	MCPP	93-65-2	< 2,000.	2,000.	ug/l	10
05291	MCPA	94-74-6	< 9,800.	9,800.	ug/l	10
05292	2,4-DP (Dichlorprop)	120-36-5	< 4.9	4.9	ug/l	10
05293	2,4-DB	94-82-6	< 9.8	9.8	ug/l	10
08103	Pentachlorophenol	87-86-5	< 0.49	0.49	ug/l	10

The LCS and LCSD recoveries for Dinoseb are outside the QC limits. Results from the reextraction are within the limits. The hold time had expired prior to the reextraction so all results are reported from the original extract. Similar results were obtained in both extracts.

05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062949

OP-VP-011,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 10:20 by ACZ

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Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
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Okemos MI 48864

V1120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	170.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	290.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	12.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062949

OP-VP-011,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 10:20 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V1120

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	06/02/2007 13:40	Damary Valentin	1
07035	Arsenic	SW-846 6010B	1	06/02/2007 13:40	Damary Valentin	1
07058	Manganese	SW-846 6010B	1	06/02/2007 13:40	Damary Valentin	1
00200	pH	SM20 4500 H/B	1	05/24/2007 22:20	Luz M Groff	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00202	Alkalinity to pH 4.5	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00219	Nitrite Nitrogen	EPA 353.2	1	05/24/2007 13:02	Nicole M Kepley	10
00220	Nitrate Nitrogen	EPA 353.2	1	06/01/2007 21:01	Courtney A Shoff	50
00224	Chloride	EPA 300.0	1	06/01/2007 13:41	Ashley M Heckman	100
00345	Total Phosphorus as PO4 water	EPA 365.1	1	05/29/2007 20:29	Venia B McFadden	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062949

OP-VP-011,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 10:20 by ACZ

Account Number: 11842

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Okemos MI 48864

V1120

01125	Sulfate (turbidimetric)	EPA 375.4	1	06/05/2007 10:10	Susan A Engle	50
06914	Ammonia-Nitrogen	SM20 4500 NH3 D	1	05/29/2007 12:30	Michelle L Lalli	20
01856	Herbicides in Water	SW-846 8151A	1	06/12/2007 19:14	Michele D Hamilton	10
01856	Herbicides in Water	SW-846 8151A	1	06/12/2007 19:44	Michele D Hamilton	25
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 20:20	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 20:20	Kenneth L Boley Jr	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	05/25/2007 12:15	Carolyn M Mastropietro	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 20:20	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	05/29/2007 10:10	Megersa Deyessa	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	05/28/2007 21:50	Karen L Beyer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062950

OP-VP-011,20-1 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
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Suite E
Okemos MI 48864

V11-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	2.96	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.138	0.0050	mg/l	1
00200	pH	n.a.	8.3	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	730.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	2.9	0.50	mg/l	10
00220	Nitrate Nitrogen	14797-55-8	72.5	5.0	mg/l	50
00224	Chloride	16887-00-6	501.	40.0	mg/l	100
00345	Total Phosphorus as PO4 water	14265-44-2	2.3	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	1,110.	250.	mg/l	50
06914	Ammonia-Nitrogen	7664-41-7	365.	2.0	mg/l	20
01856	Herbicides in Water					
01857	2,4-D	94-75-7	60.	12.	ug/l	25
01858	2,4,5-TP	93-72-1	< 0.048	0.048	ug/l	1
05286	2,4,5-T	93-76-5	0.46	0.048	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	4.1	0.48	ug/l	1
05289	Dicamba	1918-00-9	18.	7.2	ug/l	25
05290	MCPP	93-65-2	< 190.	190.	ug/l	1
05291	MCPA	94-74-6	< 960.	960.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.48	0.48	ug/l	1
05293	2,4-DB	94-82-6	2.0	0.96	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.048	0.048	ug/l	1

The LCS and LCSD recoveries for Dinoseb are outside the QC limits. Results from the reextraction are within the limits. The hold time had expired prior to the reextraction so all results are reported from the original extract. Similar results were obtained in both extracts.

05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062950

OP-VP-011,20-1 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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V11-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	170.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	280.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	12.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062950

OP-VP-011,20-1 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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V11-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05439	Naphthalene	91-20-3	6.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	06/02/2007 13:45	Damary Valentin	1
07035	Arsenic	SW-846 6010B	1	06/02/2007 13:45	Damary Valentin	1
07058	Manganese	SW-846 6010B	1	06/02/2007 13:45	Damary Valentin	1
00200	pH	SM20 4500 H/B	1	05/24/2007 22:20	Luz M Groff	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00202	Alkalinity to pH 4.5	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00219	Nitrite Nitrogen	EPA 353.2	1	05/24/2007 13:03	Nicole M Kepley	10
00220	Nitrate Nitrogen	EPA 353.2	1	06/01/2007 21:03	Courtney A Shoff	50
00224	Chloride	EPA 300.0	1	06/01/2007 13:57	Ashley M Heckman	100
00345	Total Phosphorus as PO4 water	EPA 365.1	1	05/29/2007 19:42	Venia B McFadden	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062950

OP-VP-011,20-1 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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V11-1

01125	Sulfate (turbidimetric)	EPA 375.4	1	06/05/2007 10:10	Susan A Engle	50
06914	Ammonia-Nitrogen	SM20 4500 NH3 D	1	05/29/2007 12:30	Michelle L Lalli	20
01856	Herbicides in Water	SW-846 8151A	1	06/12/2007 20:13	Michele D Hamilton	1
01856	Herbicides in Water	SW-846 8151A	1	06/12/2007 20:42	Michele D Hamilton	25
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 20:42	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 20:42	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 20:42	Kenneth L Boley Jr	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	05/25/2007 12:15	Carolyn M Mastropietro	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	05/29/2007 10:10	Megersa Deyessa	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	05/28/2007 21:50	Karen L Beyer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062951

OP-VP-010,20-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 16:05 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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V10-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	< 0.200	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	< 0.0050	0.0050	mg/l	1
00200	pH	n.a.	6.0	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	< 0.10	0.10	mg/l	1
00224	Chloride	16887-00-6	< 0.40	0.40	mg/l	1
00345	Total Phosphorus as PO4 water	14265-44-2	< 0.31	0.31	mg/l	1
01125	Sulfate (turbidimetric)	14808-79-8	< 5.0	5.0	mg/l	1
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.48	0.48	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.048	0.048	ug/l	1
05286	2,4,5-T	93-76-5	< 0.048	0.048	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.48	0.48	ug/l	1
05289	Dicamba	1918-00-9	< 0.29	0.29	ug/l	1
05290	MCPP	93-65-2	< 190.	190.	ug/l	1
05291	MCPA	94-74-6	< 950.	950.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.48	0.48	ug/l	1
05293	2,4-DB	94-82-6	< 0.95	0.95	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.048	0.048	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062951

OP-VP-010,20-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 16:05 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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V10-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5062951

OP-VP-010,20-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 16:05 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V10-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	06/02/2007 13:59	Damary Valentin	1
07035	Arsenic	SW-846 6010B	1	06/02/2007 13:59	Damary Valentin	1
07058	Manganese	SW-846 6010B	1	06/02/2007 13:59	Damary Valentin	1
00200	pH	SM20 4500 H/B	1	05/24/2007 22:20	Luz M Groff	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00202	Alkalinity to pH 4.5	SM20 2320 B	1	05/31/2007 13:59	Geraldine C Smith	1
00219	Nitrite Nitrogen	EPA 353.2	1	05/24/2007 13:04	Nicole M Kepley	1
00220	Nitrate Nitrogen	EPA 353.2	1	06/01/2007 21:04	Courtney A Shoff	1
00224	Chloride	EPA 300.0	1	06/05/2007 10:46	Ashley M Heckman	1
00345	Total Phosphorus as PO4 water	EPA 365.1	1	05/29/2007 19:43	Venia B McFadden	1
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/05/2007 10:10	Susan A Engle	1
06914	Ammonia-Nitrogen	SM20 4500 NH3 D	1	05/29/2007 12:30	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	06/04/2007 07:06	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 21:05	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 21:05	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062951

OP-VP-010,20-2 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007 16:05 by ACZ

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V10-2

08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	05/25/2007 12:15	Carolyn M Mastropietro	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	05/29/2007 10:10	Megersa Deyessa	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	05/28/2007 21:50	Karen L Beyer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 21:05	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062952

TB-1 Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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V-TB1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062952

TB-1 Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

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Okemos MI 48864

V-TB1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

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Analysis Report

Lancaster Laboratories Sample No. WW 5062952

TB-1 Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
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V-TB1

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 21:28	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 21:28	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 21:28	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062953

TB-2 Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V-TB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062953

TB-2 Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V-TB2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5062953

TB-2 Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V-TB2

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 21:50	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 21:50	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 21:50	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5062954

TB-3 Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V-TB3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5062954

TB-3 Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V-TB3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5062954

TB-3 Water Sample

Bee Jay Scales Site/67201
Collected:05/22/2007

Account Number: 11842

Submitted: 05/24/2007 09:35
Reported: 06/21/2007 at 08:15
Discard: 07/22/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

V-TB3

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 22:12	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 22:12	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 22:12	Kenneth L Boley Jr	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039686
Reported: 06/21/07 at 08:15 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07144020001A	Sample number(s): 5062946-5062949							
pH				100		99-101		
Batch number: 07144020001B	Sample number(s): 5062950-5062951							
pH				100		99-101		
Batch number: 07144105101A	Sample number(s): 5062946-5062951							
Nitrite Nitrogen	< 0.050	0.050	mg/l	94		90-110		
Batch number: 07145110101A	Sample number(s): 5062946-5062951							
Total Phosphorus as PO4 water	< 0.31	0.31	mg/l	96		90-110		
Batch number: 071455705005	Sample number(s): 5062946-5062951							
Iron	< 0.200	0.200	mg/l	108		90-112		
Arsenic	< 0.0200	0.0200	mg/l	99		90-119		
Manganese	< 0.0050	0.0050	mg/l	100		90-110		
Batch number: 071460014A	Sample number(s): 5062946-5062951							
2,4-D	< 0.50	0.50	ug/l	96	92	50-144	4	30
2,4,5-TP	< 0.050	0.050	ug/l	96	96	52-140	0	30
2,4,5-T	< 0.050	0.050	ug/l	96	92	39-143	4	30
Dalapon	< 1.3	1.3	ug/l	90	75	31-113	19	30
Dinoseb	< 0.50	0.50	ug/l	133*	128*	19-96	4	30
Dicamba	< 0.30	0.30	ug/l	88	80	59-134	10	30
MCPP	< 200.	200.	ug/l	116	100	42-126	15	30
MCPA	< 1,000.	1,000.	ug/l	108	98	16-139	10	30
2,4-DP (Dichlorprop)	< 0.50	0.50	ug/l	108	100	76-127	8	30
2,4-DB	< 1.0	1.0	ug/l	100	96	41-163	4	30
Pentachlorophenol	< 0.050	0.050	ug/l	98	98	61-121	0	30
Batch number: 07149691401A	Sample number(s): 5062946-5062951							
Ammonia-Nitrogen	< 0.10	0.10	mg/l	101		90-110		
Batch number: 07151020201A	Sample number(s): 5062946-5062951							
Alkalinity to pH 4.5				99		98-103		
Batch number: 07152106101A	Sample number(s): 5062946-5062951							
Nitrate Nitrogen	< 0.10	0.10	mg/l	101		90-110		
Batch number: 07152196601A	Sample number(s): 5062946-5062951							
Chloride	< 0.40	0.40	mg/l	102		90-110		
Batch number: 07156112501A	Sample number(s): 5062946-5062951							
Sulfate (turbidimetric)	< 5.0	5.0	mg/l	97		90-110		
Batch number: Y071493AA	Sample number(s): 5062946-5062954							
Methyl Tertiary Butyl Ether	< 5.	5.	ug/l	95	97	73-119	2	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039686
Reported: 06/21/07 at 08:15 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethyl ether	< 5.	5.	ug/l	89	89	30-148	0	30
Tetrahydrofuran	< 10.	10.	ug/l	104	110	65-130	5	30
Dichlorodifluoromethane	< 5.	5.	ug/l	80	101	26-157	24	30
Chloromethane	< 5.	5.	ug/l	88	98	47-132	11	30
Vinyl Chloride	< 5.	5.	ug/l	85	99	54-123	15	30
Bromomethane	< 5.	5.	ug/l	76	85	47-129	12	30
Chloroethane	< 5.	5.	ug/l	87	87	57-125	1	30
Trichlorofluoromethane	< 5.	5.	ug/l	84	100	57-141	17	30
1,1-Dichloroethene	< 5.	5.	ug/l	104	114	76-122	9	30
Methylene Chloride	< 5.	5.	ug/l	107	113	85-120	6	30
trans-1,2-Dichloroethene	< 5.	5.	ug/l	96	108	83-117	11	30
1,1-Dichloroethane	< 5.	5.	ug/l	111	111	83-127	0	30
cis-1,2-Dichloroethene	< 5.	5.	ug/l	104	107	84-117	3	30
Chloroform	< 5.	5.	ug/l	102	106	86-124	4	30
Bromochloromethane	< 5.	5.	ug/l	100	100	83-121	1	30
1,1,1-Trichloroethane	< 5.	5.	ug/l	99	104	83-127	5	30
Carbon Tetrachloride	< 5.	5.	ug/l	91	99	77-130	8	30
Benzene	< 5.	5.	ug/l	106	109	78-119	3	30
1,2-Dichloroethane	< 5.	5.	ug/l	99	102	77-132	3	30
Trichloroethene	< 5.	5.	ug/l	99	104	87-117	5	30
1,2-Dichloropropane	< 5.	5.	ug/l	105	109	80-117	4	30
Dibromomethane	< 5.	5.	ug/l	102	105	87-117	3	30
Bromodichloromethane	< 5.	5.	ug/l	106	103	83-121	3	30
Toluene	< 5.	5.	ug/l	99	101	85-115	2	30
1,1,2-Trichloroethane	< 5.	5.	ug/l	102	100	86-113	2	30
Tetrachloroethene	< 5.	5.	ug/l	88	92	74-125	5	30
Dibromochloromethane	< 5.	5.	ug/l	97	95	78-119	3	30
1,2-Dibromoethane	< 5.	5.	ug/l	99	101	81-114	1	30
Chlorobenzene	< 5.	5.	ug/l	96	97	85-115	2	30
1,1,1,2-Tetrachloroethane	< 5.	5.	ug/l	91	91	83-114	0	30
Ethylbenzene	< 5.	5.	ug/l	95	97	82-119	2	30
m+p-Xylene	< 5.	5.	ug/l	94	97	83-113	2	30
o-Xylene	< 5.	5.	ug/l	93	96	83-113	4	30
Styrene	< 5.	5.	ug/l	90	90	82-111	0	30
Bromoform	< 5.	5.	ug/l	85	86	69-118	1	30
Isopropylbenzene	< 5.	5.	ug/l	90	93	80-120	4	30
1,1,2,2-Tetrachloroethane	< 5.	5.	ug/l	107	106	72-119	0	30
Bromobenzene	< 5.	5.	ug/l	90	93	82-110	3	30
1,2,3-Trichloropropane	< 5.	5.	ug/l	100	102	78-117	2	30
n-Propylbenzene	< 5.	5.	ug/l	96	102	78-119	6	30
1,3,5-Trimethylbenzene	< 5.	5.	ug/l	92	96	78-116	4	30
tert-Butylbenzene	< 5.	5.	ug/l	85	92	74-114	7	30
1,2,4-Trimethylbenzene	< 5.	5.	ug/l	93	96	78-117	3	30
sec-Butylbenzene	< 5.	5.	ug/l	95	99	72-120	5	30
p-Isopropyltoluene	< 5.	5.	ug/l	89	94	72-118	5	30
1,3-Dichlorobenzene	< 5.	5.	ug/l	93	93	81-114	0	30
1,4-Dichlorobenzene	< 5.	5.	ug/l	92	95	84-116	3	30
n-Butylbenzene	< 5.	5.	ug/l	95	103	75-120	8	30
1,2-Dichlorobenzene	< 5.	5.	ug/l	95	95	81-112	0	30
1,2-Dibromo-3-chloropropane	< 5.	5.	ug/l	106	106	62-128	0	30
1,2,4-Trichlorobenzene	< 5.	5.	ug/l	98	103	65-114	5	30
Naphthalene	< 5.	5.	ug/l	107	111	61-116	3	30
1,2,3-Trichlorobenzene	< 5.	5.	ug/l	100	101	67-114	1	30
Acetone	< 20.	20.	ug/l	121	156	32-200	25	30
Carbon Disulfide	< 5.	5.	ug/l	103	116	69-119	12	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039686
Reported: 06/21/07 at 08:15 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Butanone	< 10.	10.	ug/l	116	128	52-163	9	30
trans-1,3-Dichloropropene	< 5.	5.	ug/l	98	95	79-114	4	30
cis-1,3-Dichloropropene	< 5.	5.	ug/l	101	99	78-114	2	30
4-Methyl-2-pentanone	< 10.	10.	ug/l	107	108	70-130	0	30
2-Hexanone	< 10.	10.	ug/l	106	111	61-140	5	30
Methyl Iodide	< 5.	5.	ug/l	91	95	70-116	4	30
Acrylonitrile	< 20.	20.	ug/l	103	107	67-128	4	30
trans-1,4-Dichloro-2-butene	< 50.	50.	ug/l	99	99	49-135	0	30
2-Methylnaphthalene	< 5.	5.	ug/l	89	91	25-133	3	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07144020001A	Sample number(s): 5062946-5062949 BKG: P062625								
pH						6.1	6.1	0	1
Batch number: 07144020001B	Sample number(s): 5062950-5062951 BKG: 5062950								
pH						8.3	8.3	0	1
Batch number: 07144105101A	Sample number(s): 5062946-5062951 UNSPK: 5062947 BKG: 5062947								
Nitrite Nitrogen	143*		90-110			< 0.050	< 0.050	82* (1)	20
Batch number: 07145110101A	Sample number(s): 5062946-5062951 UNSPK: P064093 BKG: P064093								
Total Phosphorus as PO4 water	96		90-110			< 0.31	< 0.31	200* (1)	3
Batch number: 071455705005	Sample number(s): 5062946-5062951 UNSPK: P064093 BKG: P064093								
Iron	(2)	(2)	75-125	9	20	70.1	69.4	1	20
Arsenic	101	98	75-125	3	20	< 0.0200	< 0.0200	85* (1)	20
Manganese	(2)	(2)	75-125	3	20	10.5	10.7	1	20
Batch number: 07149691401A	Sample number(s): 5062946-5062951 UNSPK: P064193 BKG: P064193								
Ammonia-Nitrogen	93	90	28-141	3	12	0.45	0.45	1 (1)	20
Batch number: 07151020201A	Sample number(s): 5062946-5062951 UNSPK: P062634 BKG: P062634								
Alkalinity to pH 8.3						< 2.0	< 2.0	0 (1)	4
Alkalinity to pH 4.5	99	99	64-130	0	2	63.4	64.2	1	4
Batch number: 07152106101A	Sample number(s): 5062946-5062951 UNSPK: 5062951 BKG: 5062951								
Nitrate Nitrogen	95		90-110			< 0.10	< 0.10	0 (1)	2
Batch number: 07152196601A	Sample number(s): 5062946-5062951 UNSPK: P068137 BKG: P068137								
Chloride	96		90-110			91.4	89.1	3	3
Batch number: 07156112501A	Sample number(s): 5062946-5062951 UNSPK: P064093 BKG: P064093								
Sulfate (turbidimetric)	92	98	66-134	4	6	459.	449.	2 (1)	4
Batch number: Y071493AA	Sample number(s): 5062946-5062954 UNSPK: P064134								
Methyl Tertiary Butyl Ether	100		69-127						
Ethyl ether	94		31-154						

*- Outside of specification
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Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039686
Reported: 06/21/07 at 08:15 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Tetrahydrofuran	98		53-138						
Dichlorodifluoromethane	104		31-185						
Chloromethane	101		46-149						
Vinyl Chloride	103		54-143						
Bromomethane	90		52-141						
Chloroethane	98		56-140						
Trichlorofluoromethane	107		64-165						
1,1-Dichloroethene	113		87-145						
Methylene Chloride	114		79-133						
trans-1,2-Dichloroethene	110		82-133						
1,1-Dichloroethane	119		85-135						
cis-1,2-Dichloroethene	109		83-126						
Chloroform	112		83-139						
Bromochloromethane	110		82-129						
1,1,1-Trichloroethane	109		81-142						
Carbon Tetrachloride	102		82-149						
Benzene	116		83-128						
1,2-Dichloroethane	109		70-143						
Trichloroethene	108		83-136						
1,2-Dichloropropane	118		83-129						
Dibromomethane	106		82-128						
Bromodichloromethane	111		80-129						
Toluene	107		83-127						
1,1,2-Trichloroethane	103		77-125						
Tetrachloroethene	97		78-133						
Dibromochloromethane	101		82-119						
1,2-Dibromoethane	105		78-120						
Chlorobenzene	101		83-120						
1,1,1,2-Tetrachloroethane	94		83-119						
Ethylbenzene	101		82-129						
m+p-Xylene	102		82-130						
o-Xylene	100		82-130						
Styrene	98		69-131						
Bromoform	89		64-119						
Isopropylbenzene	98		81-130						
1,1,2,2-Tetrachloroethane	108		73-121						
Bromobenzene	94		83-121						
1,2,3-Trichloropropane	107		73-125						
n-Propylbenzene	104		74-138						
1,3,5-Trimethylbenzene	98		77-124						
tert-Butylbenzene	95		76-128						
1,2,4-Trimethylbenzene	100		80-125						
sec-Butylbenzene	101		73-137						
p-Isopropyltoluene	97		72-128						
1,3-Dichlorobenzene	95		79-123						
1,4-Dichlorobenzene	99		81-122						
n-Butylbenzene	104		73-134						
1,2-Dichlorobenzene	99		82-117						
1,2-Dibromo-3-chloropropane	109		52-137						
1,2,4-Trichlorobenzene	105		60-121						
Naphthalene	108		50-124						
1,2,3-Trichlorobenzene	104		65-127						
Acetone	102		48-143						

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039686
Reported: 06/21/07 at 08:15 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Carbon Disulfide	113		74-135						
2-Butanone	110		57-137						
trans-1,3-Dichloropropene	99		77-123						
cis-1,3-Dichloropropene	106		80-126						
4-Methyl-2-pentanone	110		68-133						
2-Hexanone	106		60-135						
Methyl Iodide	100		72-128						
Acrylonitrile	105		63-132						
trans-1,4-Dichloro-2-butene	102		37-141						
2-Methylnaphthalene	92		26-134						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Herbicides in Water
Batch number: 071460014A

	2,4-Dichlorophenylacetic acid
5062946	104
5062947	130
5062948	103
5062949	121
5062950	102
5062951	133
Blank	100
LCS	110
LCSD	99
Limits:	31-137

Analysis Name: EPA SW846/8260 (water)
Batch number: Y071493AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5062946	96	93	92	91
5062947	94	90	93	92
5062948	91	86	93	94
5062949	93	89	93	93
5062950	92	92	94	91
5062951	92	85	92	90
5062952	96	91	92	91
5062953	95	92	94	91
5062954	96	94	92	91
Blank	94	87	93	91
LCS	93	89	95	97
LCSD	91	90	94	95

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039686
Reported: 06/21/07 at 08:15 AM

Surrogate Quality Control

MS	94	94	94	97
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Chevron Generic Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. #: 11842 Sample #: 5062946-54 SCR#: 007874

Group# 1039686

Facility #: Bee Jay Scales #67201
Site Address: 116 N 1st Street, Sunnyside, WA
Chevron PM: Michael Coates Lead Consultant: SECOR
Consultant/Office: Lansing, MI
Consultant Prj. Mgr.: Marisa Patterson
Consultant Phone #: 50517-349-9499 Fax #:
Sampler: ACZ & JD
Service Order #: ☐ Non SAR:

Matrix: ☐ Potable ☐ NPDES

Analyses Requested

Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	~~BTEX + MTBE 8021 ☐ 8260 ☐ Naphth ☐~~	~~8260 full scan~~ Alkalinity 310.1 (I)	~~Oxygenates~~ 300.0/375.4/150.1 chloride/sulfate/pH	~~TPH G~~ Nitrate 353.2 (S)	~~TPH D~~ ~~☐ Extended Reg. ☐ Silica Gel Cleanup~~ Nitrite 353.2	~~Total Total ☐ Diss. ☐ Methyl~~ Ammonia/Phosphate 350.3/365.1 (S)	~~VOCs~~ ~~AFS~~ Arsenic/Iron 6010B Manganese (N)	~~NWTPH HCID ☐ Quantification~~ Pesticide Herbicide (O)	VOCs 8260B
~~[illegible]~~		~~05-22-07~~	X			X											
~~[illegible]~~		~~05-22-07~~															
OP-VP-010, 10-0	05-22-07	1315	X			X		11		X	X	X	X	X	X	X	X
OP-VP-010, 20-0	05-22-07	1515	X			X		12									
OP-VP-011, 10-0	05-23-07	0820	X			X		11									
OP-VP-011, 20-0	↓	1020	X			X		11									
OP-VP-011, 20-1	↓	—	X			X		11									
OP-VP-010, 20-2	05-22-07	1605	X			X		11		X	X	X	X	X	X	X	X
TB-1	—	—	-			X		2									X
TB-2	—	—	-			X		2									X
TB-3	—	—	-														X

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

Short Hold Times on Nitrate & Nitrite

Short Hold Times

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
Amy Zach w/ SECOR [signature]	05-23-07	1600			
Relinquished by Commercial Carrier: UPS FedEx Other _____			Received by: Kathy Binkley	5-24-07	0935
Temperature Upon Receipt 2.3°-4.5°C Rongeo			Custody Seals Intact? Yes No		

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3566 Rev. 1/31/02

Lancaster Laboratories

TO: Our Valued Clients

SUBJECT: Method Update Rule

Background:
On March 12, 2007, the USEPA published a revision to the Code of Federal Regulations at 40 CFR 136 and 40 CFR 141 in the Federal Register. This Method Update Rule (MUR) contains revised approved methods tables and revised sample collection, preservation and holding time requirements, affecting the testing requirement for both non-potable and drinking water. This Method Update Rule is a final ruling and became effective on April 11, 2007.

A copy of the Method Update Rule is available online: http:/www.epa.gov/fedrgstr/EPA-WATER/2007/March/Day-12/w1073.pdf.

Action:
Lancaster Laboratories, Inc. has performed a thorough review of the MUR and has systems in place to analyze samples by the compliant method. In most cases, these methods are being replaced by equivalent methods using the same testing techniques. It is important that you review all of your NPDES Permits and other regulatory mandates to determine if you are required to use one of the outdated (removed) methods. You may continue to use these methods ONLY if you provide a copy of the permit/regulatory mandate to the laboratory to be kept on file. If the requested documentation has not been submitted to Lancaster Laboratories by June 1, 2007, your samples will be analyzed and reported by a method that is listed in the current MUR.

Please contact your Client Service Representative to request a change to the approved methods prior to June 1, 2007.

Please contact your Client Service Representative if you need assistance.

Thank you.

Lancaster Laboratories, Inc.
Environmental Client Services

April 2007

Lancaster Laboratories, Inc. • 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

517-349-9499

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1039865. Samples arrived at the laboratory on Friday, May 25, 2007. The PO# for this group is 24CH,67201.00.0024 and the release number is BEE-JAY SCALES.

Client Description	Lancaster Labs Number
OP-VP-012,10-0 Grab Water Sample	5064132
OP-VP-012,20-0 Grab Water Sample	5064133
OP-VP-013,20-0 Grab Water Sample	5064134
TB-4 Water Sample	5064135
TB-5 Water Sample	5064136

ELECTRONIC COPY TO SECOR International, Inc. Attn: Marisa Patterson

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Questions? Contact your Client Services Representative
Gwen A Birchall at (717) 656-2300

Respectfully Submitted,

Susan M Goshert

Susan M. Goshert
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5064132

OP-VP-012,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 12:20 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

01210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	10.2	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	2.08	0.0050	mg/l	1
00200	pH	n.a.	7.3	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	502.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	0.13	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	49.0	5.0	mg/l	50
00224	Chloride	16887-00-6	174.	20.0	mg/l	50
00345	Total Phosphorus as PO4 water	14265-44-2	53.0	3.1	mg/l	10
01125	Sulfate (turbidimetric)	14808-79-8	< 1,000.	1,000.	mg/l	200
	The reporting limit for the analyte above was raised due to matrix interference.					
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.52	0.52	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.052	0.052	ug/l	1
05286	2,4,5-T	93-76-5	< 0.052	0.052	ug/l	1
05287	Dalapon	75-99-0	< 1.3	1.3	ug/l	1
05288	Dinoseb	88-85-7	< 0.52	0.52	ug/l	1
05289	Dicamba	1918-00-9	< 0.31	0.31	ug/l	1
05290	MCPP	93-65-2	< 210.	210.	ug/l	1
05291	MCPA	94-74-6	< 1,000.	1,000.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.52	0.52	ug/l	1
05293	2,4-DB	94-82-6	< 1.0	1.0	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.052	0.052	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	18.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5064132

OP-VP-012,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 12:20 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

01210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5064132

OP-VP-012,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 12:20 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

01210

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 3.

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	06/08/2007 10:14	Choon Y Tian	1
07035	Arsenic	SW-846 6010B	1	06/08/2007 10:14	Choon Y Tian	1
07058	Manganese	SW-846 6010B	1	06/08/2007 10:14	Choon Y Tian	1
00200	pH	SM20 4500 H/B	1	05/25/2007 21:35	Luz M Groff	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	06/04/2007 15:16	Geraldine C Smith	1
00202	Alkalinity to pH 4.5	SM20 2320 B	1	06/04/2007 15:16	Geraldine C Smith	1
00219	Nitrite Nitrogen	EPA 353.2	1	05/25/2007 14:54	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	06/05/2007 21:49	Courtney A Shoff	50
00224	Chloride	EPA 300.0	1	06/04/2007 22:37	Ashley M Heckman	50

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Analysis Report

Lancaster Laboratories Sample No. WW 5064132

OP-VP-012,10-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 12:20 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

O1210

00345	Total Phosphorus as PO4 water	EPA 365.1	1	05/29/2007 20:55	Venia B McFadden	10
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/05/2007 10:10	Susan A Engle	200
06914	Ammonia-Nitrogen	SM20 4500 NH3 D	1	05/29/2007 12:30	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	06/04/2007 07:35	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 22:35	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 22:35	Kenneth L Boley Jr	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	05/29/2007 12:00	Nancy J Shoop	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 22:35	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	05/25/2007 23:55	Helen L Schaeffer	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	05/28/2007 21:50	Karen L Beyer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5064133

OP-VP-012,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 13:50 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

01220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	8.12	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	0.573	0.0050	mg/l	1
00200	pH	n.a.	7.8	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	422.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	< 0.050	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	6.3	0.20	mg/l	2
00224	Chloride	16887-00-6	150.	20.0	mg/l	50
00345	Total Phosphorus as PO4 water	14265-44-2	11.0	1.6	mg/l	5
01125	Sulfate (turbidimetric)	14808-79-8	234.	100.	mg/l	20
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.50	0.50	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.050	0.050	ug/l	1
05286	2,4,5-T	93-76-5	< 0.050	0.050	ug/l	1
05287	Dalapon	75-99-0	< 1.3	1.3	ug/l	1
05288	Dinoseb	88-85-7	< 0.50	0.50	ug/l	1
05289	Dicamba	1918-00-9	< 0.30	0.30	ug/l	1
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 1,000.	1,000.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.50	0.50	ug/l	1
05293	2,4-DB	94-82-6	< 1.0	1.0	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.050	0.050	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5064133

OP-VP-012,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 13:50 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

01220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5064133

OP-VP-012,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 13:50 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
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Suite E
Okemos MI 48864

O1220

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	06/08/2007 10:19	Choon Y Tian	1
07035	Arsenic	SW-846 6010B	1	06/08/2007 10:19	Choon Y Tian	1
07058	Manganese	SW-846 6010B	1	06/08/2007 10:19	Choon Y Tian	1
00200	pH	SM20 4500 H/B	1	05/25/2007 21:35	Luz M Groff	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	06/04/2007 15:16	Geraldine C Smith	1
00202	Alkalinity to pH 4.5	SM20 2320 B	1	06/04/2007 15:16	Geraldine C Smith	1
00219	Nitrite Nitrogen	EPA 353.2	1	05/25/2007 14:55	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	06/05/2007 21:50	Courtney A Shoff	2
00224	Chloride	EPA 300.0	1	06/04/2007 22:53	Ashley M Heckman	50
00345	Total Phosphorus as PO4 water	EPA 365.1	1	05/29/2007 20:36	Venia B McFadden	5
01125	Sulfate (turbidimetric)	EPA 375.4	1	06/05/2007 10:10	Susan A Engle	20
06914	Ammonia-Nitrogen	SM20 4500 NH3 D	1	05/29/2007 12:30	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	06/04/2007 08:04	Michele D Hamilton	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 22:58	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 22:58	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5064133

OP-VP-012,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 13:50 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

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01220

08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	05/29/2007 12:00	Nancy J Shoop	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 22:58	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	05/25/2007 23:55	Helen L Schaeffer	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	05/28/2007 21:50	Karen L Beyer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5064134

OP-VP-013,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 16:15 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
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Suite E
Okemos MI 48864

01320

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
01754	Iron	7439-89-6	9.59	0.200	mg/l	1
07035	Arsenic	7440-38-2	< 0.0200	0.0200	mg/l	1
07058	Manganese	7439-96-5	1.07	0.0050	mg/l	1
00200	pH	n.a.	7.4	0.010	Std. Units	1
00201	Alkalinity to pH 8.3	n.a.	< 2.0	2.0	mg/l as CaCO3	1
00202	Alkalinity to pH 4.5	n.a.	840.	2.0	mg/l as CaCO3	1
00219	Nitrite Nitrogen	14797-65-0	0.063	0.050	mg/l	1
00220	Nitrate Nitrogen	14797-55-8	27.4	5.0	mg/l	50
00224	Chloride	16887-00-6	206.	20.0	mg/l	50
00345	Total Phosphorus as PO4 water	14265-44-2	21.2	1.6	mg/l	5
01125	Sulfate (turbidimetric)	14808-79-8	606.	250.	mg/l	50
06914	Ammonia-Nitrogen	7664-41-7	< 0.10	0.10	mg/l	1
01856	Herbicides in Water					
01857	2,4-D	94-75-7	< 0.50	0.50	ug/l	1
01858	2,4,5-TP	93-72-1	< 0.050	0.050	ug/l	1
05286	2,4,5-T	93-76-5	< 0.050	0.050	ug/l	1
05287	Dalapon	75-99-0	< 1.2	1.2	ug/l	1
05288	Dinoseb	88-85-7	< 0.50	0.50	ug/l	1
05289	Dicamba	1918-00-9	9.8	6.0	ug/l	20
05290	MCPP	93-65-2	< 200.	200.	ug/l	1
05291	MCPA	94-74-6	< 1,000.	1,000.	ug/l	1
05292	2,4-DP (Dichlorprop)	120-36-5	< 0.50	0.50	ug/l	1
05293	2,4-DB	94-82-6	< 1.0	1.0	ug/l	1
08103	Pentachlorophenol	87-86-5	< 0.050	0.050	ug/l	1
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5064134

OP-VP-013,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 16:15 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

01320

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1

08202 EPA SW 846/8260 - Water

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Analysis Report

Lancaster Laboratories Sample No. WW 5064134

OP-VP-013,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 16:15 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

O1320

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 5.

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	06/12/2007 22:55	John P Hook	1
07035	Arsenic	SW-846 6010B	1	06/12/2007 22:55	John P Hook	1
07058	Manganese	SW-846 6010B	1	06/12/2007 22:55	John P Hook	1
00200	pH	SM20 4500 H/B	1	05/25/2007 21:35	Luz M Groff	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	06/04/2007 15:16	Geraldine C Smith	1
00202	Alkalinity to pH 4.5	SM20 2320 B	1	06/04/2007 15:16	Geraldine C Smith	1
00219	Nitrite Nitrogen	EPA 353.2	1	05/25/2007 14:59	Courtney A Shoff	1
00220	Nitrate Nitrogen	EPA 353.2	1	06/05/2007 21:52	Courtney A Shoff	50
00224	Chloride	EPA 300.0	1	06/04/2007 23:08	Ashley M Heckman	50
00345	Total Phosphorus as PO4 water	EPA 365.1	1	05/29/2007 20:37	Venia B McFadden	5

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Analysis Report

Lancaster Laboratories Sample No. WW 5064134

OP-VP-013,20-0 Grab Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007 16:15 by ACZ

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

O1320

01125	Sulfate (turbidimetric)	EPA 375.4	1	06/05/2007 14:55	Susan A Engle	50
06914	Ammonia-Nitrogen	SM20 4500 NH3 D	1	05/29/2007 12:30	Michelle L Lalli	1
01856	Herbicides in Water	SW-846 8151A	1	06/04/2007 08:34	Michele D Hamilton	1
01856	Herbicides in Water	SW-846 8151A	1	06/05/2007 13:08	John W Perkins	20
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 23:20	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 23:20	Kenneth L Boley Jr	1
08264	Total Phos as PO4 Prep (water)	EPA 365.1	1	05/29/2007 12:00	Nancy J Shoop	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 23:20	Kenneth L Boley Jr	1
05705	WW/TL SW 846 ICP Digest (tot)	SW-846 3010A	1	05/25/2007 23:55	Helen L Schaeffer	1
00816	Water Sample Herbicide Extract	SW-846 8151A	1	05/28/2007 21:50	Karen L Beyer	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5064135

TB-4 Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

OPTB4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5064135

TB-4 Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

OPTB4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5064135

TB-4 Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

OPTB4

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/29/2007 23:42	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/29/2007 23:42	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/29/2007 23:42	Kenneth L Boley Jr	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5064136

TB-5 Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

OPTB5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05382	EPA SW846/8260 (water)					
05384	Dichlorodifluoromethane	75-71-8	< 5.	5.	ug/l	1
05385	Chloromethane	74-87-3	< 5.	5.	ug/l	1
05386	Vinyl Chloride	75-01-4	< 5.	5.	ug/l	1
05387	Bromomethane	74-83-9	< 5.	5.	ug/l	1
05388	Chloroethane	75-00-3	< 5.	5.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	< 5.	5.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	< 5.	5.	ug/l	1
05391	Methylene Chloride	75-09-2	< 5.	5.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	< 5.	5.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	< 5.	5.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	< 5.	5.	ug/l	1
05396	Chloroform	67-66-3	< 5.	5.	ug/l	1
05397	Bromochloromethane	74-97-5	< 5.	5.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	< 5.	5.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	< 5.	5.	ug/l	1
05401	Benzene	71-43-2	< 5.	5.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	< 5.	5.	ug/l	1
05403	Trichloroethene	79-01-6	< 5.	5.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	< 5.	5.	ug/l	1
05405	Dibromomethane	74-95-3	< 5.	5.	ug/l	1
05406	Bromodichloromethane	75-27-4	< 5.	5.	ug/l	1
05407	Toluene	108-88-3	< 5.	5.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	< 5.	5.	ug/l	1
05409	Tetrachloroethene	127-18-4	< 5.	5.	ug/l	1
05411	Dibromochloromethane	124-48-1	< 5.	5.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	< 5.	5.	ug/l	1
05413	Chlorobenzene	108-90-7	< 5.	5.	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	< 5.	5.	ug/l	1
05415	Ethylbenzene	100-41-4	< 5.	5.	ug/l	1
05416	m+p-Xylene	1330-20-7	< 5.	5.	ug/l	1
05417	o-Xylene	95-47-6	< 5.	5.	ug/l	1
05418	Styrene	100-42-5	< 5.	5.	ug/l	1
05419	Bromoform	75-25-2	< 5.	5.	ug/l	1
05420	Isopropylbenzene	98-82-8	< 5.	5.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	< 5.	5.	ug/l	1
05422	Bromobenzene	108-86-1	< 5.	5.	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	< 5.	5.	ug/l	1
05424	n-Propylbenzene	103-65-1	< 5.	5.	ug/l	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5064136

TB-5 Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

OPTB5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Units	Dilution Factor
05426	1,3,5-Trimethylbenzene	108-67-8	< 5.	5.	ug/l	1
05428	tert-Butylbenzene	98-06-6	< 5.	5.	ug/l	1
05429	1,2,4-Trimethylbenzene	95-63-6	< 5.	5.	ug/l	1
05430	sec-Butylbenzene	135-98-8	< 5.	5.	ug/l	1
05431	p-Isopropyltoluene	99-87-6	< 5.	5.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	< 5.	5.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	< 5.	5.	ug/l	1
05434	n-Butylbenzene	104-51-8	< 5.	5.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	< 5.	5.	ug/l	1
05436	1,2-Dibromo-3-chloropropane	96-12-8	< 5.	5.	ug/l	1
05437	1,2,4-Trichlorobenzene	120-82-1	< 5.	5.	ug/l	1
05439	Naphthalene	91-20-3	< 5.	5.	ug/l	1
05440	1,2,3-Trichlorobenzene	87-61-6	< 5.	5.	ug/l	1
08202	EPA SW 846/8260 - Water					
02010	Methyl Tertiary Butyl Ether	1634-04-4	< 5.	5.	ug/l	1
02081	Ethyl ether	60-29-7	< 5.	5.	ug/l	1
02085	Tetrahydrofuran	109-99-9	< 10.	10.	ug/l	1
06302	Acetone	67-64-1	< 20.	20.	ug/l	1
06303	Carbon Disulfide	75-15-0	< 5.	5.	ug/l	1
06305	2-Butanone	78-93-3	< 10.	10.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	< 5.	5.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	< 5.	5.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	< 10.	10.	ug/l	1
06309	2-Hexanone	591-78-6	< 10.	10.	ug/l	1
06874	Methyl Iodide	74-88-4	< 5.	5.	ug/l	1
06875	Acrylonitrile	107-13-1	< 20.	20.	ug/l	1
06877	trans-1,4-Dichloro-2-butene	110-57-6	< 50.	50.	ug/l	1
08829	2-Methylnaphthalene	91-57-6	< 5.	5.	ug/l	1

State of Washington Lab Certification No. C259

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5064136

TB-5 Water Sample

Bee Jay Scales Site/67201
Collected:05/23/2007

Account Number: 11842

Submitted: 05/25/2007 09:15
Reported: 06/13/2007 at 08:00
Discard: 07/14/2007

SECOR International, Inc.
2321 Club Meridian Drive
Suite E
Okemos MI 48864

OPTB5

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05382	EPA SW846/8260 (water)	SW-846 8260B	1	05/30/2007 00:04	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	05/30/2007 00:04	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	05/30/2007 00:04	Kenneth L Boley Jr	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039865
Reported: 06/13/07 at 08:00 AM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07145020001A	Sample number(s): 5064132-5064134							
pH				100		99-101		
Batch number: 07145105101A	Sample number(s): 5064132-5064134							
Nitrite Nitrogen	< 0.050	0.050	mg/l	97		90-110		
Batch number: 071455705007	Sample number(s): 5064132-5064134							
Iron	< 0.200	0.200	mg/l	103		90-112		
Arsenic	< 0.0200	0.0200	mg/l	105		90-119		
Manganese	< 0.0050	0.0050	mg/l	101		90-110		
Batch number: 071460014A	Sample number(s): 5064132-5064134							
2,4-D	< 0.50	0.50	ug/l	96	92	50-144	4	30
2,4,5-TP	< 0.050	0.050	ug/l	96	96	52-140	0	30
2,4,5-T	< 0.050	0.050	ug/l	96	92	39-143	4	30
Dalapon	< 1.3	1.3	ug/l	90	75	31-113	19	30
Dinoseb	< 0.50	0.50	ug/l	133*	128*	19-96	4	30
Dicamba	< 0.30	0.30	ug/l	88	80	59-134	10	30
MCPP	< 200.	200.	ug/l	116	100	42-126	15	30
MCPA	< 1,000.	1,000.	ug/l	108	98	16-139	10	30
2,4-DP (Dichlorprop)	< 0.50	0.50	ug/l	108	100	76-127	8	30
2,4-DB	< 1.0	1.0	ug/l	100	96	41-163	4	30
Pentachlorophenol	< 0.050	0.050	ug/l	98	98	61-121	0	30
Batch number: 07149110101A	Sample number(s): 5064132-5064134							
Total Phosphorus as PO4 water	< 0.31	0.31	mg/l	96		90-110		
Batch number: 07149691401A	Sample number(s): 5064132-5064134							
Ammonia-Nitrogen	< 0.10	0.10	mg/l	101		90-110		
Batch number: 07155020201A	Sample number(s): 5064132-5064134							
Alkalinity to pH 4.5				101		98-103		
Batch number: 07155196601B	Sample number(s): 5064132-5064134							
Chloride	< 0.40	0.40	mg/l	102		90-110		
Batch number: 07156106101B	Sample number(s): 5064132-5064134							
Nitrate Nitrogen	< 0.10	0.10	mg/l	107		90-110		
Batch number: 07156112501A	Sample number(s): 5064132-5064133							
Sulfate (turbidimetric)	< 5.0	5.0	mg/l	97		90-110		
Batch number: 07156112502A	Sample number(s): 5064134							
Sulfate (turbidimetric)	< 5.0	5.0	mg/l	97		90-110		
Batch number: Y071493AA	Sample number(s): 5064132-5064136							
Methyl Tertiary Butyl Ether	< 5.	5.	ug/l	95	97	73-119	2	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039865
Reported: 06/13/07 at 08:00 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethyl ether	< 5.	5.	ug/l	89	89	30-148	0	30
Tetrahydrofuran	< 10.	10.	ug/l	104	110	65-130	5	30
Dichlorodifluoromethane	< 5.	5.	ug/l	80	101	26-157	24	30
Chloromethane	< 5.	5.	ug/l	88	98	47-132	11	30
Vinyl Chloride	< 5.	5.	ug/l	85	99	54-123	15	30
Bromomethane	< 5.	5.	ug/l	76	85	47-129	12	30
Chloroethane	< 5.	5.	ug/l	87	87	57-125	1	30
Trichlorofluoromethane	< 5.	5.	ug/l	84	100	57-141	17	30
1,1-Dichloroethene	< 5.	5.	ug/l	104	114	76-122	9	30
Methylene Chloride	< 5.	5.	ug/l	107	113	85-120	6	30
trans-1,2-Dichloroethene	< 5.	5.	ug/l	96	108	83-117	11	30
1,1-Dichloroethane	< 5.	5.	ug/l	111	111	83-127	0	30
cis-1,2-Dichloroethene	< 5.	5.	ug/l	104	107	84-117	3	30
Chloroform	< 5.	5.	ug/l	102	106	86-124	4	30
Bromochloromethane	< 5.	5.	ug/l	100	100	83-121	1	30
1,1,1-Trichloroethane	< 5.	5.	ug/l	99	104	83-127	5	30
Carbon Tetrachloride	< 5.	5.	ug/l	91	99	77-130	8	30
Benzene	< 5.	5.	ug/l	106	109	78-119	3	30
1,2-Dichloroethane	< 5.	5.	ug/l	99	102	77-132	3	30
Trichloroethene	< 5.	5.	ug/l	99	104	87-117	5	30
1,2-Dichloropropane	< 5.	5.	ug/l	105	109	80-117	4	30
Dibromomethane	< 5.	5.	ug/l	102	105	87-117	3	30
Bromodichloromethane	< 5.	5.	ug/l	106	103	83-121	3	30
Toluene	< 5.	5.	ug/l	99	101	85-115	2	30
1,1,2-Trichloroethane	< 5.	5.	ug/l	102	100	86-113	2	30
Tetrachloroethene	< 5.	5.	ug/l	88	92	74-125	5	30
Dibromochloromethane	< 5.	5.	ug/l	97	95	78-119	3	30
1,2-Dibromoethane	< 5.	5.	ug/l	99	101	81-114	1	30
Chlorobenzene	< 5.	5.	ug/l	96	97	85-115	2	30
1,1,1,2-Tetrachloroethane	< 5.	5.	ug/l	91	91	83-114	0	30
Ethylbenzene	< 5.	5.	ug/l	95	97	82-119	2	30
m+p-Xylene	< 5.	5.	ug/l	94	97	83-113	2	30
o-Xylene	< 5.	5.	ug/l	93	96	83-113	4	30
Styrene	< 5.	5.	ug/l	90	90	82-111	0	30
Bromoform	< 5.	5.	ug/l	85	86	69-118	1	30
Isopropylbenzene	< 5.	5.	ug/l	90	93	80-120	4	30
1,1,2,2-Tetrachloroethane	< 5.	5.	ug/l	107	106	72-119	0	30
Bromobenzene	< 5.	5.	ug/l	90	93	82-110	3	30
1,2,3-Trichloropropane	< 5.	5.	ug/l	100	102	78-117	2	30
n-Propylbenzene	< 5.	5.	ug/l	96	102	78-119	6	30
1,3,5-Trimethylbenzene	< 5.	5.	ug/l	92	96	78-116	4	30
tert-Butylbenzene	< 5.	5.	ug/l	85	92	74-114	7	30
1,2,4-Trimethylbenzene	< 5.	5.	ug/l	93	96	78-117	3	30
sec-Butylbenzene	< 5.	5.	ug/l	95	99	72-120	5	30
p-Isopropyltoluene	< 5.	5.	ug/l	89	94	72-118	5	30
1,3-Dichlorobenzene	< 5.	5.	ug/l	93	93	81-114	0	30
1,4-Dichlorobenzene	< 5.	5.	ug/l	92	95	84-116	3	30
n-Butylbenzene	< 5.	5.	ug/l	95	103	75-120	8	30
1,2-Dichlorobenzene	< 5.	5.	ug/l	95	95	81-112	0	30
1,2-Dibromo-3-chloropropane	< 5.	5.	ug/l	106	106	62-128	0	30
1,2,4-Trichlorobenzene	< 5.	5.	ug/l	98	103	65-114	5	30
Naphthalene	< 5.	5.	ug/l	107	111	61-116	3	30
1,2,3-Trichlorobenzene	< 5.	5.	ug/l	100	101	67-114	1	30
Acetone	< 20.	20.	ug/l	121	156	32-200	25	30
Carbon Disulfide	< 5.	5.	ug/l	103	116	69-119	12	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039865
Reported: 06/13/07 at 08:00 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Butanone	< 10.	10.	ug/l	116	128	52-163	9	30
trans-1,3-Dichloropropene	< 5.	5.	ug/l	98	95	79-114	4	30
cis-1,3-Dichloropropene	< 5.	5.	ug/l	101	99	78-114	2	30
4-Methyl-2-pentanone	< 10.	10.	ug/l	107	108	70-130	0	30
2-Hexanone	< 10.	10.	ug/l	106	111	61-140	5	30
Methyl Iodide	< 5.	5.	ug/l	91	95	70-116	4	30
Acrylonitrile	< 20.	20.	ug/l	103	107	67-128	4	30
trans-1,4-Dichloro-2-butene	< 50.	50.	ug/l	99	99	49-135	0	30
2-Methylnaphthalene	< 5.	5.	ug/l	89	91	25-133	3	30

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07145020001A	Sample number(s): 5064132-5064134 BKG: P064093								
pH						5.5	5.5	0	1
Batch number: 07145105101A	Sample number(s): 5064132-5064134 UNSPK: 5064133 BKG: 5064133								
Nitrite Nitrogen	112*		90-110			< 0.050	< 0.050	27* (1)	20
Batch number: 071455705007	Sample number(s): 5064132-5064134 UNSPK: P064101 BKG: P064101								
Iron	(2)	(2)	75-125	2	20	56.7	57.5	2	20
Arsenic	106	104	75-125	2	20	< 0.0200	< 0.0200	200* (1)	20
Manganese	(2)	(2)	75-125	1	20	9.38	9.43	0	20
Batch number: 07149110101A	Sample number(s): 5064132-5064134 UNSPK: P065281 BKG: P065281								
Total Phosphorus as PO4 water	99		90-110			0.58	0.64	10* (1)	3
Batch number: 07149691401A	Sample number(s): 5064132-5064134 UNSPK: P064193 BKG: P064193								
Ammonia-Nitrogen	93	90	28-141	3	12	0.45	0.45	1 (1)	20
Batch number: 07155020201A	Sample number(s): 5064132-5064134 UNSPK: P064107 BKG: P064107								
Alkalinity to pH 8.3						< 2.0	< 2.0	0 (1)	4
Alkalinity to pH 4.5	99	98	64-130	1	2	85.5	84.9	1	4
Batch number: 07155196601B	Sample number(s): 5064132-5064134 UNSPK: P063952 BKG: P063952								
Chloride	105		90-110			16.7	16.6	1	3
Batch number: 07156106101B	Sample number(s): 5064132-5064134 UNSPK: P064107 BKG: P064107								
Nitrate Nitrogen	85*		90-110			0.16	< 0.10	200* (1)	2
Batch number: 07156112501A	Sample number(s): 5064132-5064133 UNSPK: P064093 BKG: P064093								
Sulfate (turbidimetric)	92	98	66-134	4	6	459.	449.	2 (1)	4
Batch number: 07156112502A	Sample number(s): 5064134 UNSPK: P064107 BKG: P064107								
Sulfate (turbidimetric)	94	88	66-134	5	6	< 20.0	< 20.0	2 (1)	4
Batch number: Y071493AA	Sample number(s): 5064132-5064136 UNSPK: 5064134								
Methyl Tertiary Butyl Ether	100		69-127						
Ethyl ether	94		31-154						

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
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Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039865
Reported: 06/13/07 at 08:00 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Tetrahydrofuran	98		53-138						
Dichlorodifluoromethane	104		31-185						
Chloromethane	101		46-149						
Vinyl Chloride	103		54-143						
Bromomethane	90		52-141						
Chloroethane	98		56-140						
Trichlorofluoromethane	107		64-165						
1,1-Dichloroethene	113		87-145						
Methylene Chloride	114		79-133						
trans-1,2-Dichloroethene	110		82-133						
1,1-Dichloroethane	119		85-135						
cis-1,2-Dichloroethene	109		83-126						
Chloroform	112		83-139						
Bromochloromethane	110		82-129						
1,1,1-Trichloroethane	109		81-142						
Carbon Tetrachloride	102		82-149						
Benzene	116		83-128						
1,2-Dichloroethane	109		70-143						
Trichloroethene	108		83-136						
1,2-Dichloropropane	118		83-129						
Dibromomethane	106		82-128						
Bromodichloromethane	111		80-129						
Toluene	107		83-127						
1,1,2-Trichloroethane	103		77-125						
Tetrachloroethene	97		78-133						
Dibromochloromethane	101		82-119						
1,2-Dibromoethane	105		78-120						
Chlorobenzene	101		83-120						
1,1,1,2-Tetrachloroethane	94		83-119						
Ethylbenzene	101		82-129						
m+p-Xylene	102		82-130						
o-Xylene	100		82-130						
Styrene	98		69-131						
Bromoform	89		64-119						
Isopropylbenzene	98		81-130						
1,1,2,2-Tetrachloroethane	108		73-121						
Bromobenzene	94		83-121						
1,2,3-Trichloropropane	107		73-125						
n-Propylbenzene	104		74-138						
1,3,5-Trimethylbenzene	98		77-124						
tert-Butylbenzene	95		76-128						
1,2,4-Trimethylbenzene	100		80-125						
sec-Butylbenzene	101		73-137						
p-Isopropyltoluene	97		72-128						
1,3-Dichlorobenzene	95		79-123						
1,4-Dichlorobenzene	99		81-122						
n-Butylbenzene	104		73-134						
1,2-Dichlorobenzene	99		82-117						
1,2-Dibromo-3-chloropropane	109		52-137						
1,2,4-Trichlorobenzene	105		60-121						
Naphthalene	108		50-124						
1,2,3-Trichlorobenzene	104		65-127						
Acetone	102		48-143						

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: SECOR International, Inc. Group Number: 1039865
Reported: 06/13/07 at 08:00 AM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Carbon Disulfide	113		74-135						
2-Butanone	110		57-137						
trans-1,3-Dichloropropene	99		77-123						
cis-1,3-Dichloropropene	106		80-126						
4-Methyl-2-pentanone	110		68-133						
2-Hexanone	106		60-135						
Methyl Iodide	100		72-128						
Acrylonitrile	105		63-132						
trans-1,4-Dichloro-2-butene	102		37-141						
2-Methylnaphthalene	92		26-134						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: Herbicides in Water
Batch number: 071460014A

	2,4-Dichlorophenylacetic acid
5064132	88
5064133	100
5064134	103
Blank	100
LCS	110
LCSD	99
Limits:	31-137

Analysis Name: EPA SW846/8260 (water)
Batch number: Y071493AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5064132	93	81	94	89
5064133	93	87	93	89
5064134	93	89	94	91
5064135	96	94	92	91
5064136	95	93	92	91
Blank	94	87	93	91
LCS	93	89	95	97
LCSD	91	90	94	95
MS	94	94	94	97
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Chevron Generic Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only

Acct. #: 11842 Sample #: 5064132-36 SCR#: 007873

Group# 1039865

Facility #: BeeJay Scales
Site Address: 116 N First St, Sunnyside, WA
Chevron PM: Michael Coates Lead Consultant: SECOR
Consultant/Office: Okemos, MI
Consultant Prj. Mgr.: Marisa Patterson
Consultant Phone #: 517-349-9499 Fax #:
Sampler: ACZ & JD
Service Order #: ☐ Non SAR:

Matrix: ☐ Potable ☐ NPDES

Analyses Requested

Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	~~BTEX + MTBE 8021 ☐ 8260 ☐ Naphth ☐~~	~~8260 full scan~~ Alkalinity	~~Oxygenates~~ chloride/sulfate/pH	~~TPH G~~ Nitrate (S)	~~TPH D~~ ~~Extended Rng. ☐ Silica Gel Cleanup~~ Nitrite	~~Lead Total ☐ Diss. ☐ Method~~	VPH/EPH Ammonia/Phosphate (S)	~~NWTPH-HCID ☐ quantification~~	Herbicides (O)	Arsenic/Iron/Manganese (N)	VOCs (H)
OP-VP-012, 10-0	05-23-07	1220	X			X		11		X	X	X	X		X		X	X	X
OP-VP-012, 20-0	05-23-07	1350						11		X	X	X	X		X		X	X	X
OP-VP-013, 20-0	05-23-07	1615						11		X	X	X	X		X		X	X	X
TB-4	-	-	-					2											X
TB-5	-	-	-					2											X

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks
Short Hold Times for Nitrate & Nitrite!

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day

Data Package Options (please circle if required)
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
Amy C. Zach	05-24-07	14 10			
Relinquished by Commercial Carrier: ~~UPS~~ Fedex Other					
Temperature Upon Receipt 11-37 C°			Custody Seals Intact? ~~Yes~~ No		

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3566 Rev. 1/31/02

Lancaster Laboratories

TO: Our Valued Clients

SUBJECT: Method Update Rule

Background:
On March 12, 2007, the USEPA published a revision to the Code of Federal Regulations at 40 CFR 136 and 40 CFR 141 in the Federal Register. This Method Update Rule (MUR) contains revised approved methods tables and revised sample collection, preservation and holding time requirements, affecting the testing requirement for both non-potable and drinking water. This Method Update Rule is a final ruling and became effective on April 11, 2007.

A copy of the Method Update Rule is available online: http:/www.epa.gov/fedrgstr/EPA-WATER/2007/March/Day-12/w1073.pdf.

Action:
Lancaster Laboratories, Inc. has performed a thorough review of the MUR and has systems in place to analyze samples by the compliant method. In most cases, these methods are being replaced by equivalent methods using the same testing techniques. It is important that you review all of your NPDES Permits and other regulatory mandates to determine if you are required to use one of the outdated (removed) methods. You may continue to use these methods ONLY if you provide a copy of the permit/regulatory mandate to the laboratory to be kept on file. If the requested documentation has not been submitted to Lancaster Laboratories by June 1, 2007, your samples will be analyzed and reported by a method that is listed in the current MUR.

Please contact your Client Service Representative to request a change to the approved methods prior to June 1, 2007.

Please contact your Client Service Representative if you need assistance.

Thank you.

Lancaster Laboratories, Inc.
Environmental Client Services

April 2007

Lancaster Laboratories, Inc. • 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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APPENDIX E
NITRATE FATE AND TRANSPORT MODEL VALIDATION

Phase III Remedial Investigation Report
Chevron Environmental Management Company
& BP America, Inc.

24CH.67201.00
October 26, 2007

SECOR

SECOR INTERNATIONAL INCORPORATED

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www.secor.com

m e m o r a n d u m

to: Project File

from: Stephen R. Zayko

re: Nitrate Fate and Transport Model Validation

date: July 6, 2007

Introduction

SECOR used a weight-of-evidence approach for estimating the transport of nitrate at the Bee-Jay Scales Site in Sunnyside, Washington (Site) in June 2005. Since nitrate is not an organic compound, many of the transport mechanisms for organic constituents were unnecessary. Therefore, SECOR assumed that nitrate will travel at the same speed the groundwater travels. Estimates of groundwater flow velocity and time of travel were made using site-specific parameters for porosity, hydraulic conductivity, and hydraulic gradient.

Groundwater concentrations for nitrate were modeled in June 2005 with the BIOSCREEN Natural Attenuation Decision Support System Version 1.4 (BIOSCREEN) developed by Groundwater Services, Inc. for the Air Force Center for Environmental Excellence (AFCEE). The model, programmed in a Microsoft Excel spreadsheet and based on the Domenico analytical solute transport model, has the ability to simulate 1-D advection, 3-D dispersion, linear adsorption, and biotransformation via first order decay and/or instantaneous oxidation reaction model.

The original model output indicated the center of the plume was calculated to move at a rate of approximately 1 to 2 feet per year. However, due to dispersion, the front of the plume was estimated to move at a rate of approximately 2 to 3 feet per year. Dispersion causes the maximum concentration of the plume to decay exponentially. Thus, the maximum concentration of the plume would decrease at least one order of magnitude by the time it travels 900 feet. The original model output indicated the leading edge of the nitrate plume would reach the nearest water supply well (Well No. 5) in approximately 400 years.

The model estimated the plume would require a travel distance of more than one mile (travel time of more than 2000 years) before the maximum concentration of nitrate would decrease by dissolution to less than the Federal Drinking Water Maximum Contaminant Level (MCL) of 10 mg/l. The plume would require a significantly greater distance (and longer travel time) to reach the MTCA Method B Cleanup Level (CUL) of 1.6 mg/l.

Field validation of the model was conducted as part of the Phase III activities conducted in March and May of 2007. Results of the Phase III investigation are shown on Figure B-1. The results of the field validation indicated that groundwater flow velocity is greater than originally estimated. The BIOSCREEN model was revisited and calibrated to incorporate the additional information gained from the 2007 field efforts.

Model Calibration

In the model calibration using BIOSCREEN, nitrate was modeled as if no biodegradation, no adsorption, and no oxidation reactions were occurring. The input parameters used to simulate adsorption (fractional organic carbon f_{oc}, and partitioning coefficient K_{oc}) were input as non-values to simulate the transport mechanics of the inorganic compound nitrate. It was assumed the source area and the plume have been in existence since 1960.

The input values used to calibrate the model are presented in Table B-1. Original values are in black, and values that were changed in the updated model are in red. Hydraulic conductivity was doubled (to 2.00E-04 cm/s), hydraulic gradient was doubled (to 0.01 feet per foot), the effective porosity was nearly halved to a value of 0.25, and the soluble mass of source area nitrate was increased by a factor of 5.

Results

Figure B-2 shows the validated BIOSCREEN model output for current conditions. The model output indicates the center of the plume is moving at a rate of approximately 8 to 9 feet per year. However, due to dispersion, the front of the plume is shown to move at a rate of approximately 15 to 16 feet per year.

The model was adjusted to match field results observed at sample locations OP-VP-011, OP-VP-012, and OP-VP-013. Figure B-3 shows the best fit for the model to predicted observed concentrations at those locations. Hydraulic conductivity had to be increased by an order of magnitude. The resulting groundwater flow velocity was 41 feet per year. However, the plume would be impacting Well No. 5 at a concentration of approximately 180 mg/l. Additionally, the municipal well would have been impacted less than 15 years after groundwater was first impacted. Thus the groundwater impacts seen at sample locations OP-VP-011, OP-VP-012, and OP-VP-013 are most likely the result of a second source of nitrate.

Table B-1
BIOSCREEN Input Data Validated
BEE-JAY SCALES SITE
SUNNYSIDE, WA

Data Type	Parameter	Value	Source of Data
Hydrogeology	Hydraulic Conductivity	2.00E-04 cm/sec - New 1.00E-04 cm/sec - Orig	Site-Specific Data Table 4-11 of Phase II RI Report See Attachments
	Hydraulic Gradient	0.01 ft/ft - New 0.005 ft/ft- Orig	Maximum value of hydraulic gradient at Site
	Effective Porosity	0.250 (unitless) - New 0.444 (unitless) - Orig	Site-Specific Data Table 3-3 Phase I RI Report See Attachments
Dispersion	Longitudinal Dispersivity	20 ft	BIOSCREEN calculated value for 600 foot plume length
	Transverse Dispersivity	6.6 ft	33% of Long. Disp. (ASTM 1995)
	Vertical Dispersivity	1 ft	5% of Long. Disp (ASTM 1995)
Adsorption	Soil Bulk Density	118.6 lb/ft^3	Dry Density of Sandy Silts (p.15, Holtz & Kovacs, 1981)
	f_{oc}	0 Kg oc/kg solid	Assumed value for no adsorption
	Partition Coefficient (K_{oc})	Nitrate 1 cm^3/g	Assumed value for no adsorption
General	Simulation Time	47 Years	Time since source area has existed (Historical records indicate 1960)
	Modeled Area Width	150 ft	Assumed plume width based on attached figures
	Modeled Area Length	900 ft	Distance from site to nearest well
Source Data	Source Thickness	20 ft	Assumed depth of saturated zone (aquifer)
	Source Type	Single, Constant, Decaying	
	Source Concentrations	Nitrate - 4000 mg/L	Double the maximum concentration in a groundwater sample (A6-VP-004) collected near the source area
Actual Field Data	Downgradient Nitrate Concentrations	See attached figures	Site-Specific Groundwater Monitoring data MW-1 => MW-9

LEGEND

- RIGHT-OF-WAY LINE
- BUILDING
- BUILDING OVERHANG
- CHAINLINK FENCE
- RAILROAD TRACKS
- MONITORING WELL
- VERTICAL PROFILE BORING

NOTES

CONCENTRATIONS IN MG/L

NO3 = NITRATE - N

2Q07 NITRATE CONCENTRATIONS ARE SHOWN AT WELLS MW-1 THROUGH MW-13 FOR ILLUSTRATION PURPOSES

0 100 200

SCALE IN FEET

N

SECOR

2321 CLUB MERIDIAN DR. SUITE E
OKEMOS, MI 48864

FOR:

BEE-JAY SCALES SITE
SUNNYSIDE, WASHINGTON

PHASE III BORING LOCATIONS AND NITRATE CONCENTRATIONS

FIGURE:

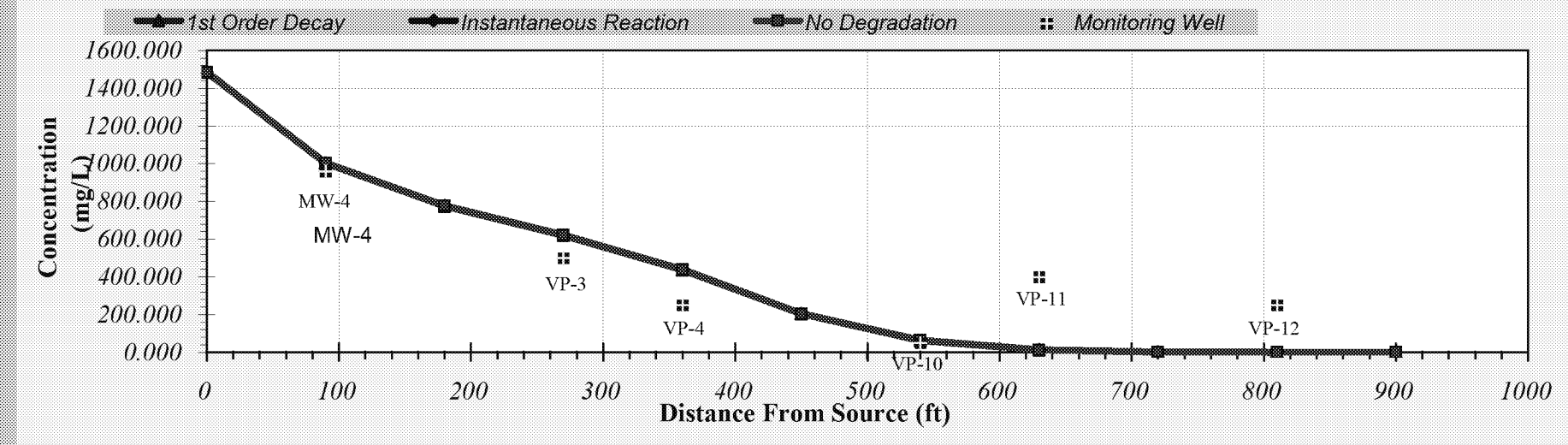
B-1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:

FIGURE B-2
BIOSCREEN MODEL RESULTS
Nitrate Transport
BEE-JAY SCALES FACILITY - SUNNYSIDE, WA
DISSOLVED CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L at Z=0)
Validation Results

Distance from Source (ft)

TYPE OF MODEL	0	90	180	270	360	450	540	630	720	810	900
No Degradation	1485.043	1003.320	776.100	621.270	438.528	205.366	63.181	12.969	1.713	0.142	0.007
1st Order Decay	1485.043	1002.588	775.015	620.065	437.508	204.836	63.007	12.932	1.708	0.142	0.007
Inst. Reaction	1485.043	1003.320	776.100	621.270	438.528	205.366	63.181	12.969	1.713	0.142	0.007
Field Data from Site		960.000		500.000	250.000		50.000	400.000		250.000	



Calculate Animation

Time:
47 Years

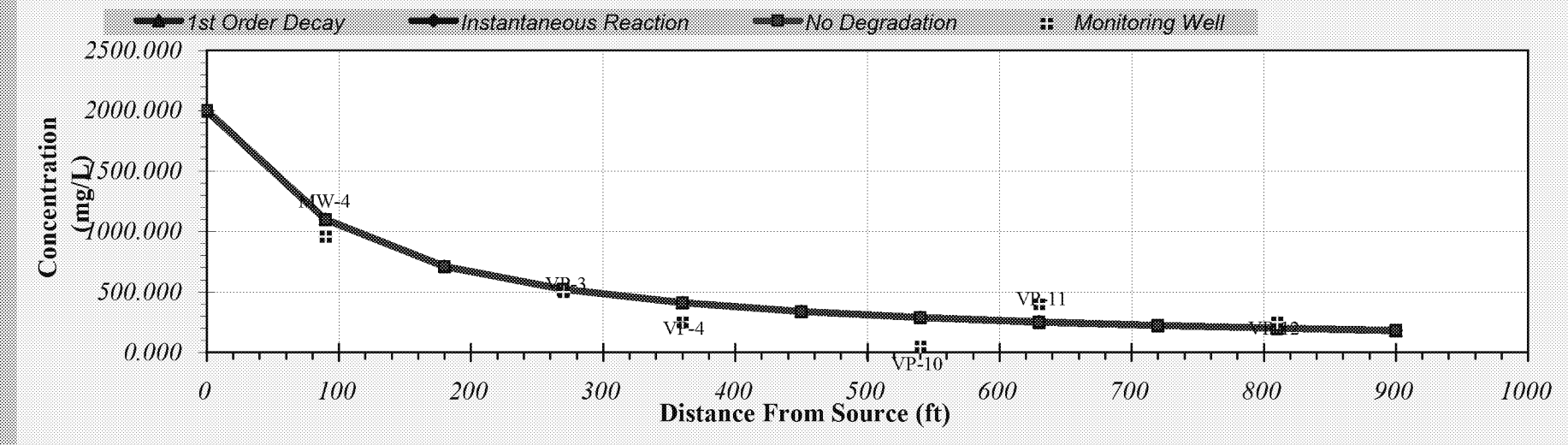
Return to Input

Recalculate This Sheet

FIGURE B-3
BIOSCREEN MODEL RESULTS
Nitrate Transport
BEE-JAY SCALES FACILITY - SUNNYSIDE, WA
DISSOLVED CONCENTRATIONS ALONG PLUME CENTERLINE (mg/L at Z=0)
Downgradient highs

Distance from Source (ft)

TYPE OF MODEL	0	90	180	270	360	450	540	630	720	810	900
No Degradation	2000.000	1101.103	710.501	521.142	410.878	338.953	288.393	250.930	222.067	199.148	180.503
1st Order Decay	2000.000	1100.937	710.287	520.906	410.630	338.697	288.132	250.666	221.799	198.878	180.231
Inst. Reaction	2000.000	1101.103	710.501	521.142	410.878	338.953	288.393	250.930	222.067	199.148	180.503
Field Data from Site		960.000		500.000	250.000		50.000	400.000		250.000	



Calculate Animation

Time:
47 Years

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