# REMEDIAL INVESTIGATION REPORT

# CCBC OF WILMINGTON INC.
# COCA-COLA VEHICLE MAINTENANCE FACILITY
# 1002 PRINCESS STREET
# WILMINGTON, NORTH CAROLINA

# SITE ID NO. NONCD0002851

**MAY 23, 2013**

**PREPARED FOR:**

**COCA-COLA BOTTLING CO. CONSOLIDATED**
**ATTN: MR. DOUG LEONARD, DIRECTOR OF ENVIRONMENTAL AFFAIRS**
**PO BOX 31487**
**CHARLOTTE, NORTH CAROLINA 28231-1487**

**CATLIN PROJECT NO. 208-069**

**PREPARED BY:**

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# TRANSMITTAL

**TO:** Mr. Matt Aufman
NCDENR – IHSB
REC Program
217 West Jones Street
Raleigh, NC 27603

**DATE:** 5/29/13
**RE:** Coca-Cola RI Report
CATLIN File Share
Electronic Submittal
**CATLIN Project No.** 208069

***We Are Transmitting Herewith The Following:***

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| NO. OF COPIES | DESCRIPTION | ACTION CODE |
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| 1 | PDF files of Remedial Investigation Report | 1 |
| | for the Coca-Cola Vehicle Maintenance Facility | |
| | Dated May 23, 2013 | |
| | Site ID No. NONCD0002851 | |
| | | |

***COMMENTS:*** Four (4) files containing the Coca-Cola Vehicle Maintenance Facility Remedial Investigation Report were uploaded to the CATLIN File Share site. One (1) complete PDF document (≈46 MB) and 3 PDF files (named ...seg1, ...seg2 & ...seg3, 12-19 MB each) of the segmented document. Because of the large size of Appendix C (Laboratory Analytical Reports) I could not separate the files at the beginning of an appendix. Hopefully the way I segmented the files will be acceptable but I also included the entire complete document for your use. If there is anything else you need from us, please feel free to call me at (910) 452-5861.

***COPY TO:*** Project File

***SIGNED:*** RR Garrett
Rick Garrett

# PHASE I REMEDIAL INVESTIGATION COMPLETION CERTIFICATION
## 15A NCAC 13C.0306(b)(5)(A)

Media (check all that apply): ☐ All Media ☑ Soil ☑ Ground water ☐ Surface water ☐ Sediment

Site Name: Coca Cola Bottling Facility
County: New Hanover
Site ID No.: NONCD0002851

Street Address: Former Vehicle Maintenance
1002 Princess Street
Wilmington, NC

**The Phase I remedial investigation, which is the subject of this certification has, to the best of my knowledge, been completed in compliance with the Inactive Hazardous Sites Response Act N.C.G.S. 130A-310, et seq. and the remedial action program Rules 15A NCAC 13C .0300, and**
CATLIN Engineers & Scientists
[REC Name]
**is in compliance with Rules .0305(b)(2) and .0305(b)(3), of this section. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information.**

RSM Signature: MR Garrett
Date: 5/28/13
RSM Name: G. Richard Garrett P.G.
REC Name: CATLIN Engineers & Scientists
Mailing Address: 220 Old Dairy Road
REC No.: 00059
City, State, ZIP: Wilmington, NC 28405

**NOTARIZATION**

North Carolina (Enter State)

New Hanover **COUNTY**

I, Sheila H. Smith, a Notary Public of said County and State, do hereby certify that George Richard Garrett did personally appear and sign before me this day, produced proper identification in the form of drivers license, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 28th day of May, 2013.

Sheila H Smith
Notary Public (signature)

(OFFICIAL SEAL)
SHEILA H. SMITH NOTARY PUBLIC NEW HANOVER COUNTY, NC

My commission expires: 12/5/14.

*Work Phase Completion Form No. WPC – I*
*(Revised 3/11)*

# REMEDIAL INVESTIGATION COMPLETION CERTIFICATION
## 15A NCAC 13C.0306(b)(5)(B)

Media (check all that apply): ☐ All Media ☑ Soil ☑ Ground water ☐ Surface water ☐ Sediment

| | | | |
|---|---|---|---|
| Site Name | Coca Cola Bottling Facility | Street Address | Former Vehicle Maintenance |
| County | New Hanover | | 1002 Princess Street |
| Site ID No. | NONCD0002851 | | Wilmington, NC |

**The remedial investigation, which is the subject of this certification has, to the best of my knowledge, been completed in compliance with the Inactive Hazardous Sites Response Act N.C.G.S. 130A-310, et seq. and the remedial action program Rules 15A NCAC 13C .0300, and**
CATLIN Engineers & Scientists
[REC Name]
**is in compliance with Rules .0305(b)(2) and .0305(b)(3), of this section. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information.**

GR Garrett — RSM Signature
5/28/13 — Date
G. Richard Garrett P.G. — RSM Name
CATLIN Engineers & Scientists — REC Name
Post Office Box 10279 — Mailing Address
00059 — REC No.
Wilmington, NC 28404 — City, State, ZIP

**NOTARIZATION**

North Carolina (Enter State)

New Hanover **COUNTY**

I, Sheila H. Smith, a Notary Public of said County and State, do hereby certify that George Richard Garrett did personally appear and sign before me this day, produced proper identification in the form of drivers license, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 28th day of May, 2013.

Sheila H Smith
Notary Public (signature)

(OFFICIAL SEAL)

SHEILA H. SMITH NOTARY PUBLIC NEW HANOVER COUNTY, NC

My commission expires: 12/5/14.

IHSB SITE NAME Coca-Cola Bottling Facility,Wilmington,New Hanover,NC Site ID# NONCD0002851

DATE & NAME OF DOCUMENT 5/24/13 Remedial Investigation Report

TYPE OF SUBMITTAL (circle all that apply): Report, Work plan, Work Phase Comp. Statement, Schedule Change

## REMEDIATING PARTY DOCUMENT CERTIFICATION STATEMENT (.0306(B)(2))

"I certify under penalty of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

CCBC of Wilmington, Inc.
Name of Remediating Party

Doug Leonard
Signature of Remediating Party

5/30/13
Date

**NOTARIZATION**

NORTH CAROLINA (Enter State)

MECKLENBURG **COUNTY**

I, Edith A. Quine, a Notary Public of said County and State, do hereby certify that DOUG LEONARD did personally appear and sign before me this day, produced proper identification in the form of DRIVER LICENSE, was duly sworn or affirmed, and declared that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 30 day of MAY, 2013.

Edith A. Quine
Notary Public (signature)

(OFFICIAL SEAL)

EDITH A. QUINE NOTARY PUBLIC MY COMMISSION EXPIRES 5/5/2016 MECKLENBURG COUNTY, NC

My commission expires: 5/5/2016.

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 2 OF 2
IHSB SITE NAME Coca-Cola Bottling Facility,Wilmington,NewHanoverCo,NC ID#NONCD0002851
DATE & NAME OF DOCUMENT 5/24/13 Remedial Investigation Rpt.
TYPE OF SUBMITTAL (circle all that apply): Report, Work plan, Work Phase Comp. Statement, Schedule Change

## REGISTERED SITE MANAGER CERTIFICATION OF SIGNATURES

As the Registered Environmental Consultant for the Site for which this filing is made, I certify that the signatures included herewith are genuine and authentic original handwritten signatures and/or true, accurate, and complete copies of the genuine and authentic original handwritten signatures of the persons who purport to sign for this filing. I further certify that I have collected through reliable means the originals and/or copies of said signatures from the persons authorized to sign for this filing who, in fact, signed the originals thereof. Those persons and I understand and agree that any copies of signatures have the same legally binding effect as original handwritten signatures, and I certify that any person for whom I am submitting a copy of their signature has provided me with their express consent to submit said copy. Additionally, I certify that I am authorized to attest to the genuineness and authenticity of the signatures, both originals and any copies, being submitted herewith and that by signing below, I do in fact attest to the genuineness and authenticity of all the signatures, both originals and copies, being submitted for this filing.

G. Richard Garrett
Name of Registered Site Manager

G R Garrett
Signature of Registered Site Manager

5/30/13
Date

## REGISTERED SITE MANAGER DOCUMENT CERTIFICATION STATEMENT (.0306(b)(1))

"I certify under penalty of law that I am personally familiar with the information contained in this submittal, including any and all supporting documents accompanying this certification, and that the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete and complies with the Inactive Hazardous Sites Response Act N.C.G.S. 130A-310, et seq, and the remedial action program Rules 15A NCAC 13C .0300. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

G. Richard Garrett
Name of Registered Site Manager

G R Garrett
Signature of Registered Site Manager

5/30/13
Date

## NOTARIZATION

North Carolina (Enter State)

Pender COUNTY

I, Beverly A. Rivenbark, a Notary Public of said County and State, do hereby certify that G R Garrett did personally appear and sign before me this day, produced proper identification in the form of person, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certifications is true and accurate, and he or she then signed these Certifications in my presence.

WITNESS my hand and official seal this 30 day of May, 2013.

Beverly A. Rivenbark
Notary Public (signature)

(OFFICIAL SEAL)

BEVERLY A. RIVENBARK NOTARY PUBLIC PENDER COUNTY, N.C.

My commission expires: 4-15-2014

*Document Certification Form No. DC - II*
*(Revised 8/11)*

## TABLE OF CONTENTS


| | | |
|---|---|---|
| **EXECUTIVE SUMMARY** | | **i** |
| **1.0** | **INTRODUCTION AND PURPOSE** | **1** |
| **2.0** | **BACKGROUND INFORMATION** | **1** |
| **2.1** | **SITE DESCRIPTION AND SURROUNDING PROPERTY LAND USE** | **3** |
| **2.2** | **OPERATIONAL HISTORY** | **3** |
| **2.3** | **SUMMARY OF PREVIOUS INVESTIGATIONS** | **4** |
| **2.4** | **WORK SCOPE** | **6** |
| **2.5** | **DEVIATIONS FROM THE REMEDIAL INVESTIGATION WORKPLAN** | **7** |
| **2.6** | **PROCEDURES TO ESTABLISH SITE REMEDIATION (DELINEATION) GOALS** | **7** |
| **3.0** | **SAMPLING LOCATIONS AND METHODS** | **8** |
| **3.1** | **GROUNDWATER FLOW AND SAMPLING** | **10** |
| **3.2** | **SOIL SAMPLING** | **10** |
| **3.3** | **QUALITY ASSURANCE/QUALITY CONTROL** | **11** |
| **3.4** | **INVESTIGATIVE DERIVED WASTE** | **11** |
| **4.0** | **SITE GEOLOGY AND HYDROGEOLOGY** | **12** |
| **5.0** | **ANALYTICAL RESULTS** | **13** |
| **5.1** | **GROUNDWATER** | **13** |
| **5.2** | **SOIL** | **14** |
| **6.0** | **DISCUSSION, CONCLUSIONS, AND RECOMMENDATIONS** | **16** |
| **7.0** | **CERTIFICATION STATEMENT** | **18** |
| **8.0** | **REFERENCES** | **18** |
| **9.0** | **SIGNATURE** | **18** |


## TABLES


| | |
|---|---|
| **TABLE 1** | **MONITORING WELL CONSTRUCTION INFORMATION** |
| **TABLE 2** | **SUMMARY OF GROUNDWATER LABORATORY RESULTS – EPA METHODS 6010C, 6020A AND 7470A** |
| **TABLE 3** | **SUMMARY OF GROUNDWATER LABORATORY RESULTS – EPA METHOD 8270D** |
| **TABLE 4** | **SUMMARY OF GROUNDWATER LABORATORY RESULTS – STANDARD METHOD 6200-B** |
| **TABLE 5** | **SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 6010C** |

## TABLE OF CONTENTS (CONTINUED)

### TABLES


| | |
|---|---|
| TABLE 6 | SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 6020A |
| TABLE 7 | SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 7471B |
| TABLE 8 | SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 8260B |
| TABLE 9 | SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 8270D |
| TABLE 10 | SUMMARY OF SOIL LABORATORY RESULTS – EPA METHODS 6010C-SPLP AND 7470A-SPLP |
| TABLE 11 | SUMMARY OF SOIL LABORATORY RESULTS – EPA METHODS 8260B-SPLP (PCE ONLY) AND 8270D-SPLP (PAHS ONLY) |


### FIGURES


| | |
|---|---|
| FIGURE 1 | GENERAL LOCATION USGS QUADRANGLE TOPOGRAPHICAL MAP |
| FIGURE 2 | SITE MAP |
| FIGURE 3 | GROUNDWATER ELEVATIONS AND CONTOURS |
| FIGURE 4 | CROSS SECTION PLAN VIEW |
| FIGURE 5 | CROSS SECTION WITH SUMMARY OF SOIL LABORATORY RESULTS – METALS |
| FIGURE 6 | CROSS SECTION WITH SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 8260B |
| FIGURE 7 | CROSS SECTION WITH SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 8270D |
| FIGURE 8 | SUMMARY OF GROUNDWATER LABORATORY RESULTS |
| FIGURE 9 | SUMMARY OF SOIL LABORATORY RESULTS – SPLP – PCE, PAHS, AND METALS |
| FIGURE 10 | SUMMARY OF SOIL LABORATORY RESULTS – METALS |
| FIGURE 11 | SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 8260B |
| FIGURE 12 | SUMMARY OF SOIL LABORATORY RESULTS – EPA METHOD 8270D |
| FIGURE 13 | BENZO(A)ANTHRACENE ISOCONCENTRATIONS IN SOIL |
| FIGURE 14 | BENZO(A)PYRENE ISOCONCENTRATIONS IN SOIL |

## APPENDICES

| | |
|---|---|
| **APPENDIX A** | **PROPERTY DEED AND TITLE HISTORY** |
| **APPENDIX B** | **FIELD NOTES** |
| **APPENDIX C** | **BORING LOGS, WELL LOGS, AND WELL CONSTRUCTION RECORDS** |
| **APPENDIX D** | **BACKGROUND SOIL SAMPLE LOCATIONS, LABORATORY ANALYTICAL RESULTS, AND SITE SPECIFIC BACKGROUND CONCENTRATION CALCULATIONS** |
| **APPENDIX E** | **LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION** |
| **APPENDIX F** | **PHOTOGRAPHS** |
| **APPENDIX G** | **REMEDIATING PARTY AND REGISTERED SITE MANAGER DOCUMENT CERTIFICATION STATEMENTS** |

## EXECUTIVE SUMMARY

During a potential real estate transaction site screening, minor soil and groundwater contaminant concentrations of semi-volatile petroleum compounds and Tetrachloroethene (PCE) were detected on one parcel owned by CCBC of Wilmington, Incorporated (CCBC), the then active Coca-Cola vehicle maintenance garage located at 1002 Princess Street, Wilmington, North Carolina. Based on these results, the North Carolina Department of Environment and Natural Resources (NCDENR), Inactive Hazardous Sites Branch (IHSB) Manager Genevieve Henderson submitted a Notice of Regulatory Requirements (Notice) to Mr. Doug Leonard, Director of Environmental Affairs, Coca-Cola Bottling Co. Consolidated, as managing agent of CCBC for contaminant assessment and clean up. According to the Notice, the site has been contaminated by one (1) or more hazardous substances and "depending on the contaminants involved and whether the contaminants impacted or may impact groundwater quality, [CCBC] will be required to assess and cleanup the contamination under one or more cleanup authorities". The Notice indicated that all actions beyond initial abatement will be under IHSB.

Catlin Engineers & Scientists (CATLIN) installed and sampled one monitoring well (MW-01) in the area of the PCE release and detected an estimated ("J" flagged) concentration above groundwater standards. The well was resampled using an analytical method with lower detection limits and PCE concentrations were below the groundwater standards. CCBC then entered into the IHSB Registered Environmental Consultant (REC) program with CATLIN as the REC. The Workplan and this Remedial Investigation Report are intended to meet the Inactive Hazardous Sites Response Act (IHSRA) Registered Environmental Consultant (REC) Administrative Agreement requirements (dated June 4, 2010)

Two (2) temporary piezometers were installed for groundwater elevation and flow direction determination. As suspected and historically reported, groundwater flow is generally towards the northeast. A second monitoring well (MW-02) was installed down gradient of MW-01 and the PCE source area. No groundwater contamination above the current 2L GWQS was revealed during this investigation (groundwater samples from MW-01 and MW-02).

Based on these investigations and the reliance of historical clean sample results from soil samples collected off-site by others (S&ME), the impacted soils have been essentially delineated around the former vehicle maintenance facility. PCE was not detected above the Residential Health Based – Preliminary Soil Remediation Goal (PSRG) in any soil sample. PCE was found above the Protection of Groundwater – PSRG in in one area within the building. Benzo(a)pyrene is the most widespread polynuclear aromatic hydrocarbon (PAH) compound revealed on the property with the highest on site concentration near the middle of the maintenance building. The next most common PAH compounds are Benzo(a)anthracene and Benzo(b)fluoranthene.

The borings/samples outside the building along Princess Street were intended to delineate lower concentrations found within the building and near/at the suspected source. Instead, by far the highest concentrations detected during this investigation are found to the north of the garage along the utility right of way. Concentrations of numerous PAH compounds far exceed concentrations found in the potential source areas on site (in the building). Also, elevated concentrations are found along the utility excavation away from the maintenance garage and in some cases with clean samples between contaminated borings along the utilities and garage. For these reasons it is thought that the contaminants found in the utility excavation are wholly or in part the result of an alternate contamination source.

Metals are found in mainly two areas, within the building in the general area of the repaired crack in the floor and outside on the east/southeast portion of the property.

**REMEDIAL INVESTIGATION REPORT**
**CCBC OF WILMINGTON INC.**
**COCA-COLA VEHICLE MAINTENANCE FACILITY**
**1002 PRINCESS STREET**
**WILMINGTON, NORTH CAROLINA**

**SITE ID NO. NONCD0002851**

**CATLIN PROJECT NO. 208-069**

**MAY 23, 2013**

## 1.0 INTRODUCTION AND PURPOSE

During a potential real estate transaction site screening on multiple CCBC of Wilmington Inc. (CCBC) properties in Wilmington, North Carolina, minor soil and groundwater contaminant concentrations were detected on one parcel. In two (2) soil samples Benzo(a)pyrene was detected above current remediation goals and one (1) of the two (2) samples also contained Tetrachloroethene (PCE) above the Protection of Groundwater – Preliminary Soil Remediation Goals (PSRG). Detection of the PCE triggered regulatory oversight by the Inactive Hazardous Sites Branch (IHSB) and CCBC entered into an "Administrative Agreement for Registered Environmental Consultant – Directed Assessment and Remedial Action" for site assessment and remediation (effective June 4, 2010).

The purpose of this report is to document soil and groundwater sampling as proposed in the *Remedial Investigation Work Plan* (*Workplan*) dated May 17, 2011 by CATLIN Engineers and Scientists (CATLIN). The investigation purpose was to delineate the soil contamination to current IHSB remediation goals and confirm or deny the presence of groundwater contaminants above the current North Carolina Administrative Code (NCAC) Title 15 A Subchapter 2L Groundwater Quality Standard (2L GWQS).

The *Workplan* and this *Remedial Investigation Report* are intended to meet the Inactive Hazardous Sites Response Act (IHSRA) Registered Environmental Consultant (REC) Administrative Agreement requirements (dated June 4, 2010) for the CCBC Vehicle Maintenance Facility (Site) at 1002 Princess Street in Wilmington, North Carolina.

## 2.0 BACKGROUND INFORMATION

Contamination was first detected at the Site in late 2008. As part of a potential real estate transaction, MACTEC conducted a Phase I Environmental Site Assessment on the 18-Parcel CCBC Facility in February 2008 and did not recommend further environmental assessment. In August 2008, S&ME, Inc. (S&ME) utilized direct push technology to conduct "Limited Soil and Groundwater Sampling services," in "potential areas of environmental concern," which included

parcels owned by CCBC on all four corners of the North 10th Street and Princess Street intersection. Findings indicated one area where analytes above IHSB Soil Remediation Goals (SRGs) were detected. This area, the vehicle maintenance facility, located on the southeastern corner the intersection, is limited to one site address and is the subject of this investigation. Three borings (B-6, B-7, and B-8) were advanced by S&ME for soil and groundwater sample collection.

The results of the S&ME investigation indicated one (1) groundwater sample (GW-6) contained one (1) analyte (PCE at 1.1 part per billion) above the established North Carolina Administrative Code Title 15A Subchapter 2L (2L GWQS) of 0.7 parts per billion (PPB). Two (2) soil samples (SS-7 and SS-8) collected from shallow (0.5 to 2.5 feet deep) borings revealed contaminant concentrations above the Action Levels. PCE was detected above the North Carolina Department of Environment and Natural Resources (NCDENR) UST Section's Soil-to-Groundwater (STGW) Maximum Soil Contaminant Concentration (MSCC). Concentrations were not detected in excess of the IHSB Health Based SRGs however; they did exceed the IHSB Protection of Groundwater SRGs. Semi-volatile petroleum compounds were detected in SS-7 and SS-8 below the UST Section's STGW MSCC, but above the IHSB Health Based SRGs.

Based on these results, NCDENR, IHSB Manager Genevieve Henderson submitted a Notice of Regulatory Requirements (Notice) for contaminant assessment and clean up to Mr. Doug Leonard, Director of Environmental Affairs, Coca-Cola Bottling Co. Consolidated, as managing agent of CCBC. According to the Notice, results from the S&ME *Limited Soil and Groundwater Sampling Report* documented that the site has been contaminated by one (1) or more hazardous substances and "depending on the contaminants involved and whether the contaminants impacted or may impact groundwater quality, [CCBC] will be required to assess and cleanup the contamination under one or more cleanup authorities". The Notice indicated that all actions beyond initial abatement will be under IHSB.

CATLIN subsequently was requested by CCBC to install and sample a groundwater monitoring well and conduct a receptor survey. Initial sample results in October 2008 revealed PCE at an estimated value of 0.89 J micrograms per liter (ug/L) while results from a second sampling event in November 2008 utilizing an analytical method with lower detection limits indicated the PCE concentration (0.540 ug/L) was below the 2L GWQS of 0.7 ug/L. Following review of the October/November 2008 groundwater sample results, receptor survey information, and subsequent NCDENR comments, CATLIN then consulted with CCBC and IHSB and CCBC entered into the IHSB REC program with CATLIN as the REC.

Copies of previous reports were provided in the *Workplan;* therefore, are not provided in this report. Status updates were provided quarterly (with findings and proposed actions) and were certified by CCBC and CATLIN.

## 2.1 SITE DESCRIPTION AND SURROUNDING PROPERTY LAND USE

The general location on the 1979 Wilmington, North Carolina topographic quadrangle is illustrated on Figure 1. Water well, receptor, and surface water intake surveys conducted by others and CATLIN have not revealed any water wells or surface water intakes within a half mile radius of the site (see Figure 1). The Site is located at 1002 Princess Street, Wilmington, North Carolina. A site map (consisting of a base map surveyed by Michael Underwood and Associates, PA) is provided as Figure 2. The Site is bordered by Princess Street to the north and North 10$^{th}$ Street to the west. The Site is connected to municipal sewer and water, electricity, and natural gas. According to historical information, the steel truss brick veneer building with a concrete floor was constructed at the Site in approximately 1939.

Until late 2011 the building was utilized as a Coca-Cola vehicle maintenance garage. General repair and maintenance of fleet vehicles (delivery trucks, tractors, trailers, forklifts, etc.) was conducted. Vehicle access to the Site is off of North 10$^{th}$ Street with access to the garage bay doors (2) off of Princess Street. The Site is identified by New Hanover County as a 0.64 acre lot with Parcel # R04818-018-001-000. The central coordinates of the Site/parcel are N 34.2370º, W -77.9365º.

The adjacent surrounding properties are used for mixed commercial purposes. The properties to the west (across N. 10$^{th}$ St.), north (across Princess St.), and northwest (across the 10$^{th}$ St. and Princess St. intersection) are owned by CCBC and were utilized for beverage bottling, distribution, administration, and parking. The adjacent property to the east is owned by James Cottle and contains a parking lot and warehouse. According to signs on the warehouse building owned by Mr. Cottle, Carolina Carburetor Specialists, Uplifting Faith Ministries, and Mobiletech currently utilize the property. This property was previously utilized (approximately 1950s) as a new car dealership and garage. The adjacent property to the south is owned by H and S Family Holdings, LLC and a Family Dollar store operates at the property. The Family Dollar property previously contained a gas/service station.

## 2.2 OPERATIONAL HISTORY

Historical Sanborn Maps (April 1898, February 1904, June 1910, 1915, February 1951, and June 1955) and historical orthophotographs (1949, 1956, 1966, and 1981) were provided in the *Workplan*. According to Sanborn maps provided in the *Workplan*, a previous structure was located on the property before construction of the CCBC vehicle maintenance garage. The current building was built in approximately 1939 and has been utilized for vehicle maintenance since original construction. A copy of the property deed and title history provided by CCBC is provided in Appendix A. According to historical information (Sanborn Maps), a

residential building and possibly a railroad switch house along 10th Street for the railroad main line and spur/branch line junction adjacent to the Site were at the Site from sometime before 1898 until being demolished for construction of the current structure.

## 2.3 SUMMARY OF PREVIOUS INVESTIGATIONS

Copies of previous reports were provided in the *Workplan*. Summaries are provided below.

MACTEC – *Phase I Environmental Site Assessment*

A Phase I Environmental Site Assessment dated February 21, 2008 was conducted at the Site and the surrounding/nearby CCBC properties on behalf of East Coast Development & Brokerage, Inc. MACTEC evaluated historical property uses and areas where previous USTs were removed and sampled across entire CCBC properties. MACTEC concluded that while the presence of ASTs and stains on the concrete at the Site were recognized environmental conditions, based on the good condition of the concrete floor, general good housekeeping, and the presence of secondary containment, conditions did not likely indicate a release of chemicals to the underlying soils.

S&ME – *Limited Soil and Groundwater Sampling Report*

As part of a potential real estate transfer, S&ME collected samples across the entire CCBC properties. Samples were collected where previous reports indicated the presence of former USTs or potential sources of contamination. Of a total 11 soil and 11 groundwater samples, S&ME detected contaminants above standards in three borings on the maintenance garage parcel. On August 19-20, 2008 S&ME installed three (of 11) soil borings (B-6 through B-8) on the Site utilizing direct push technology. Soil and groundwater samples were collected for laboratory analysis from each boring location. The soil samples were analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260B and polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270C.

After reaching termination depths in soil borings B-6 through B-8, the borings were converted into temporary piezometers. Groundwater grab samples were collected at each of the groundwater sampling points and submitted for analytical testing for VOCs by EPA Method 8260B and PAHs by EPA Method 8270C. (Please note that soil boring locations B-6 through B-8 correspond to soil samples SS-6 through SS-8 and groundwater samples GW-6 through GW-8, respectively.)

As reported by S&ME, the laboratory analytical results of the soil samples indicated that PCE was detected at concentrations exceeding the NCDENR STGW MSCC of 0.0074 milligrams per kilogram (mg/kg) in soil

samples SS-7 (0.032 mg/kg) and SS-8 (0.014 mg/kg). These levels were less than the IHSB Residential Health Based – PSRG of 0.48 mg/kg but greater than the IHSB Protection of Groundwater – PSRG of 0.0074 mg/kg. Benzo(a)anthracene and Benzo(a)pyrene were also detected in soil samples SS-7 and SS-8 exceeding the previous NCDENR IHSB Preliminary Health Based SRG of 0.022 mg/kg for both constituents. Benzo(a)anthracene was detected at 0.078 mg/kg in soil sample SS-7 and 0.068 mg/kg in soil sample SS-8. Benzo(a)pyrene was detected at 0.08 mg/kg in soil sample SS-7 and 0.063 mg/kg in soil sample SS-8. Several additional VOCs and PAHs were detected in soil samples SS-7 and SS-8 at concentrations exceeding their respective laboratory reporting limits, but below their respective MSCCs and IHSB SRGs.

Also reported by S&ME, the laboratory analytical results of the groundwater samples indicated that PCE was detected at a concentration exceeding the 2L GWQS of 0.7 ug/L in the groundwater sample GW-6 (1.1 ug/L). Concentrations of cis-1,2-dichlorethene were also detected exceeding the laboratory reporting limit, but below the 2L GWQS in GW-7 and GW-8.

CATLIN

In October 2008 CATLIN constructed a permanent monitoring well (MW-01) adjacent to the S&ME GW-6 groundwater sample location and near the suspected contaminant source area (a repaired crack in concrete near a parts washer and ASTs along the northern wall of the building). Groundwater samples were collected from MW-01 for laboratory analysis per EPA Methods 8260 and 8270 on October 27, 2008. Results for PCE were provided as estimated concentrations. The MW-01 monitoring well was re-sampled on November 25, 2008 for analysis per EPA Method 6200B (lower detection limits than EPA 8260). CATLIN also conducted a 1,000 foot radius water well survey and half-mile radius surface water survey during this investigation.

The complete CATLIN letter report, dated February 5, 2009, was included in the *Workplan*. PCE was detected in the October 27, 2008 MW-01 sample collected at an estimated concentration of 0.890 J micrograms per liter (ug/L), which exceeds the 2L GWQS of 0.7 ug/L. The October 2008 MW-01 groundwater sample also revealed an estimated Benzo[a]pyrene concentration of 0.725 ug/L. No other contaminant concentrations were detected above the corresponding 2L GWQS. The MW-01 sample collected and analyzed in November 2009 utilizing EPA Methods 6200B did not reveal PCE concentrations above the corresponding 2L GWQS (MW-01 PCE result = 0.540 ug/L). Depth to groundwater at MW-01 was 4.21 feet below land surface (BLS) in November 2008.

## 2.4 WORK SCOPE

Based on previous work by others, CATLIN concluded that the investigation of potential sources was satisfied and the current investigation would focus on delineation of contaminants detected during the S&ME sampling efforts. MACTEC and S&ME did source evaluation and a Phase I assessment and CATLIN did subsequent reconnaissance and potential source inventory while the garage was operational. The work scope proposed in the *Workplan* and detailed in this report includes: (1) additional sampling of MW-01 for detected contaminants to determine whether or not groundwater contamination exists above 2L GWQSs in an area where seepage of petroleum and/or solvents occurred through previous/historical cracks in the building floor; (2) installation of two piezometers to calculate groundwater flow direction; (3) installation and sampling of a down gradient monitoring well (MW-02) to determine whether contamination exists down gradient; and (4) delineate impacts to soil.

In addition to the volatile and semi-volatile PAH contaminants detected by the previous S&ME testing, CATLIN also proposed analysis of soil and groundwater samples for selected metals, as there was a potential source for metals in waste oils that was not analyzed during the previous S&ME work.

A preliminary evaluation was conducted to determine the potential of vapor intrusion (resulting from the identified soil contamination) into the vacant building at the Site. This vapor intrusion evaluation was conducted utilizing NCDENR's June 2011 *Supplemental Guidelines for Evaluation of Structural Vapor Intrusion Potential for Site Assessments and Remedial Actions Under the Inactive Hazardous Sites Branch*. The evaluation was necessary due to the presence of soil contamination beneath and in the vicinity of the vacant building. As discussed previously, a number of compounds were detected above the IHSB PSRGs at the Site. Three compounds, (Benzo[b]fluoranthene, Chrysene, and Naphthalene) were detected above the Residential Health Based – PSRGs and are considered a risk for potential vapor intrusion. Two of these compounds (Chrysene and Naphthalene) detected in soil boring SB-22 are believed to be potentially originating from a different source. However, Benzo(b)fluoranthene has been detected above the Residential Health Base PSRG in samples collected beneath the building. Due to the vacant building, low soil contamination concentrations, lack of groundwater contaminants above the 2L GWQSs, and the potential future site remediation activities, it was determined that a vapor intrusion testing would not be conducted during the Remedial Investigation. The building is vacant and will very likely remain vacant until remedial actions are implemented to address underlying soil contamination. The risk for vapor intrusion should be evaluated again following remedial efforts. Should the building be utilized prior to implementation of remediation efforts, a vapor

intrusion evaluation should be performed in the area of the elevated Benzo(b)fluoranthene concentrations.

The Conceptual Site Model for contaminants at this site is relatively straight forward. The six (6) inch thick concrete floor in the maintenance garage has provided an effective impermeable barrier to potential releases of petroleum and/or solvents used during previous years of fleet vehicle maintenance except in areas where cracks or joints in the concrete occurred. These cracks in the concrete provided pathways for contaminants to enter the subsurface and impact underlying soils and groundwater until the cracks were sealed by epoxy, reportedly in 1995. Efforts conducted by CATLIN prior to this investigation indicated that impacts to groundwater were limited, (less than 2L GWQSs) likely due to the lack of rainwater infiltration.

All work was conducted in accordance with the Site Specific Health and Safety Plan included in the *Workplan* to ensure safety of workers on site as well as the surrounding population.

## 2.5 DEVIATIONS FROM THE REMEDIAL INVESTIGATION WORKPLAN

Following a discussion with REC Project Manager Janet MacDonald, Synthetic Precipitation Leaching Procedure (SPLP) was utilized to evaluate the leaching potential for metals and selected organic compounds in lieu of the Toxicity Characteristic Leaching Procedure (TCLP) proposed in the *Workplan*. Also, multiple iterations of soil sampling and analysis were required to achieve reasonable delineation of soil contaminants. Due to the shallow groundwater table and the presence of debris/rubble/fill under the building's concrete floor and encountered across the Site, minimal vadose soils were available for soil sample collection. Except at the suspected source areas (S&ME borings SB-6, SB-7, and SB-8, CATLIN borings SB-01, SB-02, and SB-03), sample material was selected from one vadose soil interval above the groundwater table for laboratory analysis.

## 2.6 PROCEDURES TO ESTABLISH SITE REMEDIATION (DELINEATION) GOALS

IHSB requires delineation to the lower of the Health Based Residential – PSRGs or Protection of Groundwater – PSRGs. Soil Remediation Tables provide total values for each remediation goal; however, there are other analytical options for achieving delineation compliance. CATLIN utilized SPLP analysis of selected samples to achieve delineation to Protection of Groundwater goals.

Source area soils were analyzed for total concentrations of volatile organics, semi-volatile (PAH) organics, and select metals. SPLP analysis was also conducted on these source area samples and SPLP results were

directly compared with the 2L GWQSs. If the SPLP result was less than the 2L GWQS then the Protection of Groundwater goals were considered met. If SPLP results were greater than the 2L GWQSs then additional sampling for delineation to the Protection of Groundwater – PSRGs was required and conducted.

IHSB and NCDENR do not require clean up of metals above background levels; therefore, CATLIN conducted background sampling and analysis to establish a site specific background for selected metals. Where the site specific background concentration exceeded the IHSB Health Based Residential – PSRG or Protection of Groundwater – PSRG the background concentration was utilized for delineation purposes. Background concentrations exceeded established PSRGs for Arsenic, Chromium VI, and Manganese. Further, once it was determined that Chromium was detected above PSRGs, samples with elevated Chromium results were analyzed for Chromium III and Chromium VI speciation.

More specific information regarding soil and groundwater sampling procedures and establishing alternate soil remediation (delineation) goals is provided in Section 3.0.

## 3.0 SAMPLING LOCATIONS AND METHODS

Site survey of property boundaries, buildings, underground utilities, adjacent owners, former storage vessels, monitoring wells, and sampling points was conducted by Michael Underwood and Associates PA. Sampling locations are illustrated on a base map (Figure 2) and included on subsequent figures adapted by CATLIN from this base map. All sampling was conducted in general accordance with applicable guidance documents and methods detailed in the *Workplan*. Sample locations, spacing, and depths proposed in the *Workplan* were in accordance with NCDENR, Division of Waste Management (DWM) Inactive Hazardous Sites Program, Guidelines for Assessment and Cleanup, August 2010, Appendix A, Section A.2.1.2.1.a and the United States Environmental Protection Agency's (USEPA) Environmental Investigations Standard Operating Procedures and Quality Assurance Manual, November 2001. Copies of field notes are provided in Appendix B.

Groundwater samples were submitted for laboratory analysis per Standard Method 6200B, EPA Method 8270, and for metals analysis per various methods (6010C, 6020A, and 7470A). Soil samples were submitted for laboratory analysis per EPA Methods 8260 and 8270 and metals analysis by various methods (6010C, 6020A, and 7470A). Select soil samples were submitted for analysis per SPLP for PCE, PAHs and metals. SPLP analysis was utilized to determine the leaching potential of the compounds and to establish Protection of Groundwater delineation goals. Sample material for SPLP analysis was selected/submitted following review of initial laboratory analytical results.

Samples from borings SB-01, SB-02, and SB-03, collected from the previous S&ME boring/sample locations, were submitted for PCE and PAH analysis per SPLP methods and results were below the 2L GWQS. Therefore, soils were delineated to Residential Health Based – PSRGs.

Higher concentrations of PCE were revealed in the SB-10 boring location so a subsequent sample was collected from the same location for PCE analysis per SPLP. The SPLP analysis for this sample [SB10-2 (2.0-3.0)] indicated concentrations above the 2L GWQS; therefore, soils in this area were delineated to the Protection of Groundwater – PSRGs utilizing the SPLP approach. Review of the initial data indicated EPA Method 8260 concentrations for PCE in samples SB02 (1.0-2.0) and SB02 (2.0-3.0) are 229 micrograms per kilogram (ug/kg) and 298 ug/kg respectively. The SPLP analysis of the these samples indicates resulting concentrations of 0.330 micrograms per liter (ug/L) and 0.540 ug/L, which are below the groundwater quality standard established in the 2L GWQS of 0.7 ug/L. The PCE (total) concentration of 298 ug/kg detected in SB02 (2.0-3.0) is considered to be sufficiently below the concentration level that is protective of groundwater at the site. Therefore, soil samples with PCE concentrations of 298 ug/kg or less are to be considered sufficient for delineating PCE impacts for protection of groundwater.

The highest PAH concentrations revealed during the first phase of sampling (SB-01 through SB-13) was in the sample SB08 (2.0-3.0). The SB-08 boring sample results were above the IHSB Protection of Groundwater and Residential Health Based – PSRGs for a number of PAHs. A second boring was advanced (SB-08-2) adjacent to the original SB-08 boring location. A sample was collected [SB-08-2 (2-3ft)] and submitted for PAH analysis per SPLP. All SPLP PAH results were less than the method detection limits and the 2L GWQSs. Thus, PAHs were subsequently delineated to the Residential Health Based – PSRGs.

In an attempt to determine the potential leachability of metals, samples were submitted from borings SB-07 and SB-11 for metals analysis per SPLP. The SPLP analytical results were greater than the 2L GWQSs for Cadmium, Chromium, Iron, and Lead; therefore, it is required that metals be delineated to below the IHSB Protection of Groundwater – PSRGs or the calculated site specific background concentration.

Five (5) soil borings/samples were proposed for establishing site specific metals background concentrations. The background borings were advanced for site specific background metals concentration calculation/determination. The background soil sample locations, analytical results, and site specific background calculations are provided in Appendix D. The calculated site specific background for Arsenic, Chromium VI, and Manganese concentrations are utilized for delineating metals at the site. Laboratory results for metals are considered exceedances if greater than the Residential Health Based – PSRGs and calculated background concentrations.

Additionally, Chromium speciation analysis was utilized to differentiate and delineate Chromium III and Chromium VI. During subsequent sampling phases, additional borings were advanced for soil sample collection and Chromium speciation analysis including borings SB-04-2, SB-07-2, and SB-11-2 adjacent to the previous SB-04, SB-07, and SB-11 borings.

Analytical methods were based on previous uses of the property as stated during interviews with knowledgeable plant personnel and analytical results of samples collected by others from areas identified as potential recognized environmental conditions during real estate transaction pre-purchase Environmental Site Assessment Investigations conducted by MACTEC and S&ME. CATLIN added analysis for selected metals as there appeared to be a potential source for metals in waste oil handled at the maintenance facility and metals were not previously analyzed by S&ME.

## 3.1 GROUNDWATER FLOW AND SAMPLING

Two (2) piezometers (PIEZ-01 and PIEZ-02) were constructed for depth to groundwater measurements, groundwater elevation determination, and groundwater flow direction determination. A survey level, rod and water level indicator were used to calculate the relative top of casing elevation (TOC) in reference to the TOC elevation at MW-01.

Following groundwater flow direction determination, the piezometers were properly abandoned (note: well construction and abandonment records were not required for temporary piezometer groundwater gauging). Subsequently, one (1) new monitoring well (MW-02) was constructed on CCBC property in the down gradient direction. Monitoring well and piezometer construction information is provided on Table 1 and Well Logs/Well Construction Records are in Appendix C.

A groundwater sample was collected on September 14, 2011 from the MW-01 and MW-02 monitoring wells and submitted for laboratory analysis per Standard Method 6200B, EPA Method 8270 plus Tentatively Identified Compounds (+TICs), and Total Metals.

## 3.2 SOIL SAMPLING

As proposed in the *Workplan*, three (3) soil borings (SB-01, SB-02, and SB-03) were advanced for soil sample collection at each of three (3) previous S&ME soil sample locations (B-6, B-7, and B-8) with ten additional borings around the previous S&ME borings/samples at approximately 30-foot grid spacing. After review of the initial 13 soil boring sample results, six additional soil borings/samples were proposed in the Quarterly Status update dated January 12, 2012. The second phase of sampling (June 2012) included six (6) soil borings/samples for delineating impacted soils revealed at the site, three (3) borings at previous locations for additional sample collection and analysis, and five (5) additional soil

borings/samples for establishing site specific metals background concentrations. The background borings were advanced for site specific background metals concentration calculation/determination.

The third phase of sampling (January/February 2013) was necessary for further attempted delineation and included 12 soil borings/samples. Review of results lead to a fourth and fifth attempt to delineate soil impacts with soil borings/samples in March (seven borings/samples) and April (two borings/samples), respectively.

A total of 40 soil boring locations in roughly a 50 foot or less grid pattern have been sampled in an effort to delineate the impacts to soils. In some cases, more than one sample has been collected for analysis at the same location. Initially, it was proposed that a surface and deeper sample be collected from each boring; however, the presence of debris/rubble fill to a depth of more than one (1) foot and a shallow groundwater table made this infeasible.

## 3.3 QUALITY ASSURANCE/QUALITY CONTROL

A duplicate sample was collected from select samples and submitted for EPA Method 8270 plus TICs and Standard Method 6200B analysis. Select equipment rinsate sample(s) were submitted for EPA Method 8270 plus TICs, Standard Method 6200B and Total Metals analysis. A Trip Blank was also submitted for laboratory analysis per Standard Method 6200B.

Laboratory analytical results and quality assurance/quality control (QA/QC) data are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Results have been adjusted for moisture content where applicable.

In one sampling phase (January 2013, SB-21 through SB-31), laboratory reporting limits were not below the IHSB PSRGs. The samples were subsequently re-collected (February 2013) and submitted for analysis with lower laboratory reporting limits. The SB-21 through SB-31 January 2013 results are not included in this investigation.

## 3.4 INVESTIGATIVE DERIVED WASTE

Soil samples generally consisted of soils collected from the upper six inches to one foot beneath the concrete or gravel/debris at the surface. As such, the recovered soils were collected as samples, the gravel/brick debris was replaced and there was no investigative derived waste (IDW) generated for soil samples. Monitoring well MW-01 was installed prior to the current investigation but cuttings and purge water from this well installation and sampling was collected and stored in a properly labeled drum pending further investigation. Purge water from subsequent sample

was also stored in this drum. In 2011, CCBC vacated the maintenance garage and moved to a new location in Brunswick County. During this move, all equipment, tanks, and drums of virgin product as well as waste products were removed from the maintenance garage by Crandall Corporation of Lexington, South Carolina. Drill cuttings from installation of MW-02 were spread on site around the well.

## 4.0 SITE GEOLOGY AND HYDROGEOLOGY

Groundwater flow was initially assumed to be northeast towards Burnt Mill Creek and groundwater flow calculations at the Site verified the same. Depth to water as measured at MW-01 in November 2008 was 4.21 feet BLS. As previously mentioned, two (2) piezometers were installed during this investigation and a monitoring well (MW-01) was previously constructed. Based on water level elevations from PIEZ-01, PIEZ-02, and MW-01, groundwater flow was calculated to the northeast. A second monitoring well, MW-02 was subsequently constructed down gradient of the potential source.

The groundwater contours generated from the August 19, 2011 gauging event of MW-01, PIEZ-01 and PIEZ-02 are illustrated on Figure 3. Monitoring well (and piezometer) construction information including depth to groundwater, top of casing elevations, and groundwater table elevations are provided on Table 1. Depth to water measurements on September 14, 2011 indicated the groundwater table at 3.95 BLS and 6.50 feet BLS at MW-01 and MW-02, respectively. PIEZ-01 and PIEZ-02 were abandoned and therefore could not be gauged during this event.

Based on soils encountered by CATLIN and others during boring advancement at the Site, brick and rubble fill were encountered near the surface to approximately 1.5 feet BLS and underlying soils consisted of a brownish to tan, fine to medium grained clayey sand to a depth of approximately 12 feet BLS. Boring logs for borings advanced during this investigation are provided in Appendix C. Figure 4 illustrates the cross section plan view. Cross sections are illustrated on Figures 5, 6, and 7.

As detailed by Cardinell, et al (1993), the area is located in the Coastal Plain physiographic province that contains numerous varieties of coastal environments of deposition. The majority of the underlying sediments were deposited in marine or near-shore environments. The thickness of the sedimentary beds in the area is roughly 1,500 feet. According to Winner & Coble (1989), the surficial aquifer is underlain in this area by the following aquifers (depth to top of aquifer below ground level is also provided): Castle Hayne (30'), Peedee (140'), Black Creek (540'), and Cape Fear (790'). These aquifers are typically separated by confining units of less permeable materials consisting of beds or groups of clay and silt containing varying amounts of sand (Winner and Coble, 1989). Recharge to Coastal Plain aquifers occurs predominantly through direct surface recharge by rainfall in interstream areas (Cardinell, et al, 1993).

The surficial aquifer consists of sand, clay, sandy clay, and silts. The average hydraulic conductivity of the surficial aquifer was estimated by Cardinell, et al (1993) to be about 50 feet per day (ft/d).

The Castle Hayne aquifer includes the Eocene Castle Hayne Formation and Oligocene River Bend Formation. The Castle Hayne aquifer consists of beds of sand, limestone, and cemented/calcareous sand with discontinuous lenses of clay, silt and clay/silt sand mixtures. According to Cardinell, et al (1993), the upper portion of the Castle Hayne aquifer is composed of calcareous sand with interbedded clay and silt beds. Numerous studies have been conducted to estimate the hydraulic properties of the Castle Hayne aquifer. A summary of the results as presented by Cardinell, et al (1993) include:

| | |
|---|---|
| Transmissivity (T) | 820 – 24,500 ft2/day |
| Hydraulic conductivity (K) | 14 – 91 ft/d (65 ft/d average) |
| Storage coefficients (S) | 0.0002 – 0.001 |

According to the NCDENR Division of Water Quality (DWQ) FrameWork Query Results, the Castle Hayne Confining Unit may be encountered approximately 32 feet BLS at the Site and is approximately four (4) feet thick. The Castle Hayne Aquifer would likely be encountered from 36 to 63 feet BLS, underlain by the Pee Dee Confining Unit (21 feet thick) and the Pee Dee Aquifer.

The Soil Survey of New Hanover County North Carolina indicates that the Site lies within the Baymeade-Urban land complex (Bh). Baymeade-Urban land complex soil is on the flats and low ridges of the upland and in small areas that are along tile drainageways but are not subject to flooding. These soils have very low available water capacity and moderately rapid permeability. Site specific geologic and hydrogeologic conditions are detailed on field boring/well construction logs provided in Appendix C.

## 5.0 ANALYTICAL RESULTS

Complete laboratory analytical reports including chain of custody documentation and laboratory quality assurance / quality control data are provided in Appendix E. Cross sections with soil sample results are illustrated on Figures 5, 6, and 7.

### 5.1 GROUNDWATER

The MW-01 monitoring well was previously constructed in the PCE source area and MW-02 was installed in an area down gradient of the source area. Summarized groundwater laboratory results are provided on Tables 2, 3, and 4 and illustrated on Figure 8. As shown on Table 2, no metals listed in 6010C, 6020A or 7470A were detected above the 2L GWQS. Table 3 provides data per EPA Method 8270D and no results were above the 2L GWQS. Table 4 provides data per Standard Method 6200B and no results were above the 2L GWQS. As reported in the laboratory analytical data and summarized on the tables and figures, no analyzed compounds were revealed above the 2L GWQS. The MW-01 sample revealed

estimated PCE concentrations above detectable limits (0.420 J) but less than the 2L GWQS. One (1) unknown TIC was detected in the MW-02 groundwater sample at a concentration of 4.29 ug/L but no TICs were revealed in the MW-02 Duplicate sample. Due to the lack of contaminant compounds exceeding the 2L GWQSs, no additional groundwater investigation was conducted.

## 5.2 SOIL

Summarized soil laboratory results are provided on Tables 5, 6, 7, 8, 9, 10, and 11 and illustrated on Figures 9, 10, 11, 12, and 15. Benzo(a)anthracene results and isoconcentrations are illustrated on Figure 13 and Benzo(a)pyrene results and isoconcentrations are illustrated on Figure 14.

Metals

The summarized metals results per various methods on Tables 5, 6, and 7 and Figure 10 include results above the IHSB Residential Health Based – PSRG and Site Specific Background Concentrations from soil samples collected inside the building at borings SB-01, SB-11 and SB-14. These borings/samples were from near the suspected source area of the former parts washer and the repaired crack in the concrete.

Additional samples collected during delineation efforts outside the building from borings SB-04, SB-07, SB-19, SB-24, SB-26, and SB-33 near the southeast portion of the Site also revealed at least one metal at a concentrations above the IHSB Residential Health Based PSRB and Site Specific Background Concentrations. The source of these metal impacts is likely related to vehicle maintenance, repair or storage on the property.

In an attempt to determine the potential leachability of metals, samples were submitted from borings SB-07 and SB-11 for metals analysis per SPLP. The SPLP metals results are provided on Table 10. The SPLP analysis indicated results above the 2L GWQSs for Cadmium, Chromium, Iron, and Lead. Additional borings in these areas delineated the metal impacts below the lowest PSRGs and the calculated site specific background.

Metals results above the IHSB Industrial Health Based – PSRGs (denoted by "**" on Tables 5 and 6) were revealed in samples collected at borings SB-4 (Arsenic), SB-19 (Arsenic and Lead), and SB-24 (Arsenic). It should be noted that the calculated site specific Arsenic concentration (2.4 mg/kg) is greater than the Industrial Health Based – PSRG (1.6 mg/kg).

Volatile Organic Compounds

In an attempt to determine the potential leachability of PCE, samples from

borings SB-01, SB-02, SB-03, and SB-10 were submitted for PCE analysis per SPLP. The SPLP results are provided on Table 11 and Figure 9. The SPLP results exceeded the 2L GWQS for PCE in the SB-10 boring location. Generally, PCE is delineated to the Residential Health Based – PSRG, except around SB-10 and SB-17 where soils are delineated to the Protection of Groundwater – PSRGs.

No soil sample results exceeded the PCE Residential Health Based – PSRG of 17,000 ug/kg. Soils which exceed the Protection of Groundwater – PSRGs are found in one localized area around borings SB-10 and SB-17.

The summarized volatile organics results per EPA Method 8260B are provided on Table 8 and Figure 11. An anomalous 4-Isopropyltoluene concentration was revealed in the SB-13 boring/sample collected in the utility trench north of the building.

Semi-Volatile Organic Compounds (PAHs)

The SPLP results are provided on Table 11 and Figure 9. The SPLP analysis did not reveal any detectable concentrations of semi-volatile organic PAH compounds; therefore, PAH compounds were delineated to the IHSB Health Based – PSRGs.

The summarized semi-volatile organics results per EPA Method 8270D provided on Table 9 and Figure 12 include a number of compound concentrations above the IHSB Residential Health Based – PSRGs from soil samples collected inside and outside the building.

PAH results above the IHSB Industrial Health Based – PSRGs (denoted by "**" on Table 9) were revealed in samples collected at borings SB-01 (Benzo[a]pyrene – near suspected source-former petroleum and solvent storage area), SB-02 (Benzo[a]pyrene – near suspected source-former petroleum and solvent storage area), SB-08 (Benzo[a]pyrene – inside building near southeast corner), SB-17 (Benzo[a]pyrene and Dibenz[a,h]anthracene – inside near center of building), SB-18 (Benzo[a]pyrene – inside building, east of SB-17 near eastern building wall), SB-21 (Benzo[a]pyrene – outside near northwest corner of building, within utility trench), SB-22 (Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Dibenz[a,h]anthracene, and Indeno[1,2,3-cd]pyrene – outside between building and Princess St. within utility trench), SB-26 (Benzo[a]anthracene – southeast of building), SB-35 (Benzo[a]pyrene – northeast of building corner and within utility trench), SB-39 (Benzo[a]pyrene and Dibenz[a,h]anthracene – east of building along Princess St. within utility trench), and SB-40 (Benzo[a]pyrene – east of building along Princess St. within utility trench).

Benzo(a)anthracene and Benzo(a)pyrene results and isoconcentrations

are illustrated on Figures 13 and 14 respectively. These figures are provided to illustrate the higher PAH concentrations away from the suspected source driving this investigation. The source of PAH impacted soils along Princess Street is unknown however it appears that petroleum impacts are concentrated along the utility excavations.

## 6.0 DISCUSSION, CONCLUSIONS, AND RECOMMENDATIONS

Groundwater

No groundwater contamination above the current 2L GWQS was revealed during this investigation. Two (2) temporary piezometers were installed for groundwater elevation and flow direction determination. As suspected and historically reported, groundwater flow is generally towards the northeast. A second monitoring well (MW-02) was installed down gradient of MW-01 and the PCE source area.

The current (September 14, 2011) MW-01 groundwater sample did not reveal any parameters per Standard Method 6200-B, EPA Methods 8270D, 6010C, 6020A and 7470A above the laboratory reporting limits. Estimated concentrations ("J" values) of PCE and a number of metals were detected in the MW-01 sample but well below the corresponding 2L GWQSs. The MW-02 groundwater sample, down gradient of the suspected source, did not reveal any parameters per Standard Method 6200-B, EPA Methods 8270D, 6010C, 6020A and 7470A above the laboratory reporting limits. Estimated concentrations ("J" values) of a number of metals were detected in the MW-02 sample but well below the corresponding 2L GWQSs.

Soil

Based on these results and the reliance of historical clean sample results from soil samples collected off-site by others (S&ME), the impacted soils have been essentially delineated around the former vehicle maintenance facility. PCE was not detected above the Residential Health Based – PSRG in any soil sample. PCE was found above the Protection of Groundwater – PSRG in two samples (SB-10 and SB-17) localized in one area within the building. Benzo(a)pyrene is the most widespread PAH compound revealed on the property with the highest on site concentration of 1,420 ug/kg found in SB-17, roughly in the middle of the maintenance building. The next most common PAH compounds are Benzo(a)anthracene and Benzo(b)fluoranthene. Elevated concentrations of the compounds are also found onsite in SB-17, SB-07, and Benzo(a)anthracene only in SB-26. Elevated reporting limits in this sample (SB-26) make determination of other compound concentrations uncertain.

The PAH compound Benzo(a)pyrene is not completely delineated east of SB-38. The concentration detected in this sample is 24 ug/kg and the Residential Health Based – PSRG is 15 ug/kg. Also, PAH soil contamination is not fully delineated east of SB-40 within the utility excavations; however, it is proposed that the

samples collected in the utility easement backfill are anomalous and likely represent contamination from a source other than the maintenance garage. The borings/samples along Princess Street were intended to delineate lower concentrations found within the building and near/at the suspected source. Instead, by far the highest concentrations detected during this investigation are found in SB-22, to the north of the garage along the utility right of way. Concentrations of numerous PAH compounds far exceed concentrations found in the potential source areas on site. Also, elevated concentrations are found along the utility excavation away from the maintenance garage and in some cases with clean samples between contaminated borings along the utilities and the garage (e.g. SB-12, SB-31, and SB-36). For these reasons it is thought that the contaminants found in the utility excavation are wholly or in part the result of an alternate contamination source.

Metals are found in mainly two areas, within the building in the general area of the repaired crack in the floor and outside on the east/southeast portion of the property. Metal contamination is generally delineated onsite with borings/samples SB-27 and SB-38 providing the eastern boundary and samples BG-4 and BG-5 providing the southern boundary. Right of entry was not obtained to collect samples off site to the southeast; however, this property was formerly utilized as a service station with fuel sales.

Figure 15 illustrates the extent of soil contamination exceeding the established Soil Remediation Goals. Also shown are areas where soil contamination was detected above the Industrial Health Based – PSRGs for metal or PAH compounds.

Following submittal and acceptance of this Remedial Investigation, a Remedial Action Plan (RAP) should be prepared for the site. This RAP will include a feasibility study to evaluate remedial alternatives and provide a selected remedy for the site. The selected remedy may or may not include institutional controls as part of the remediation approach. The RAP also provides for opportunity for public comment on the proposed remedy.

The June 4, 2010 Administrative Agreement requires the Remediator to initiate groundwater remedial actions within 24 months of completion of the Remedial investigation; however, findings of this investigation did not detect groundwater contamination above the 2L GWQSs. Therefore, the feasibility study and RAP will address alternatives for clean up of site soils. It is recommended that this RAP and remedial actions be conducted in a timely manner to remove or minimize the potential for impacts to groundwater. According to the Administrative Agreement, within 96 months of the execution of this agreement, the Remediator will complete a remedial action for waste, soils, surface water, and sediments, which complies with the provision of 15A NCAC13C.0300.

## 7.0 CERTIFICATION STATEMENT

Remediating Party and Registered Site Manager Document Certification Statements are provided in Appendix G.

## 8.0 REFERENCES


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## 9.0 SIGNATURE

NORTH CAROLINA LICENSED SEAL 1052 GEOLOGIST GEORGE RICHARD GARRETT

5/28/13

G. Richard Garrett
Project Manager

NORTH CAROLINA LICENSED SEAL 2328 GEOLOGIST BENJAMIN J. ASHBA

5-28-13

Benjamin J. Ashba
Project Geologist

# TABLES

**TABLE 1**
**MONITORING WELL CONSTRUCTION INFORMATION**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington
New Hanover County, NC
Site ID No. NONCD 0002851

| WELL IDENTIFICATION | DATE INSTALLED (m/dd/yy) | DATE WATER LEVEL MEASURED (m/dd/yy) | WELL CASING DEPTH (ft. BLS) | SCREENED INTERVAL (x to y ft. BLS) | BOTTOM OF WELL (ft. BLS) | TOP OF CASING ELEV.* (ft.) | DEPTH TO WATER From Top of Casing (ft.) | GROUND-WATER ELEV. **(ft.) | FREE-PHASE PRODUCT THICKNESS (ft.) | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|
| MW-01 | 10/23/08 | 8/19/11<br>8/22/11<br>9/14/11 | 2.0 | 2.0 - 12.0 | 12.0 | 36.63 | 3.93<br>3.88<br>3.95 | 32.70<br>32.75<br>32.68 | NMT<br>NMT<br>NMT | Existing Type II Monitoring Well |
| MW-02 | 8/28/11 | 9/14/11 | 2.0 | 2.0 - 12.0 | 12.0 | 31.12 | 6.50 | 24.62 | NMT | CATLIN Installed Type II Monitoring Well |
| PIEZ-01 | 8/11/11 | 8/19/11<br>8/22/11 | NA | 0.0 - 6.0 | 6.0 | 39.77 | 5.15<br>6.88 | 34.62<br>32.89 | NMT | Piezometer Abandoned Subsequent to Gauging |
| PIEZ-02 | 8/11/11 | 8/19/11<br>8/22/11 | NA | 0.0 - 6.0 | 6.0 | 34.43 | 2.91<br>2.68 | 31.52<br>37.75 | NMT | Piezometer Abandoned Subsequent to Gauging |

* Reference Point for Elevation Measurements (NGVD88).
** If free-phase product present, groundwater elevation calculated by:[Top of Casing Elevation - Depth to Water] + [Free-Phase Product Thickness x0.82]
ft. BLS = Feet Below Land Surface
NMT = No Measurable Thickness
NA = Not Applicable
NM = Not Measured

**TABLE 2**
**SUMMARY OF GROUNDWATER LABORATORY RESULTS -**
**EPA METHODS 6010C, 6020A and 7470A**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington, New Hanover County, NC
Site ID No. NONCD0002851

| **Method** → | | | **6010C** | | | | | | | **6020A** | **7470A** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Well ID** | **Contaminant of Concern** → | | Chromium | Copper | Manganese | Selenium | Silver | Zinc | All Other 6010C Compounds | All 6020A Parameters | Mercury |
| | **Sample ID** | **Date Collected** | | | | | | | | | |
| MW-01 | MW-01 | 9/14/11 | 3.45 J | 1.57 J | 8.44 J | <2.68 | 3.99 J | <2.26 | BMDL | BMDL | 0.0214 J |
| MW-02 | MW-02 | 9/14/11 | 3.57 J | 2.63 J | 6.00 J | 3.02 J | 4.73 J | 9.60 J | BMDL | BMDL | <0.0190 |
| Equipment Rinsate | | 9/14/11 | 2.46 J | 2.28 J | 1.77 J | <2.68 | 4.53 J | <2.26 | BMDL | BMDL | 0.0489 J |
| **2L GWQS (µg/L)** | | | 10 | 1,000 | 50 | 20 | 20 | 1,000 | Varies | Varies | 1 |

All results in micrograms per Liter (µg/L).
BMDL = Below Method Detection Limit
J = Amount detected is between the method detection limit and the lower calibration limit
2L GWQS = NCAC T15A:02L Groundwater Quality Standards
NA = Not Analyzed

**TABLE 3**
**SUMMARY OF GROUNDWATER LABORATORY RESULTS - EPA METHOD 8270D**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington, New Hanover County, NC
Site ID No. NONCD0002851

| **Well ID** | **Contaminant of Concern** → | | Tentatively Identified Compounds (TIC) | All Other 8270D Parameters |
|---|---|---|---|---|
| | **Sample ID** | **Date Collected** | | |
| MW-01 | MW-01 | 9/14/11 | ND | BMDL |
| MW-02 | MW-02 | 9/14/11 | 4.29 (unknown) | BMDL |
| MW-02 | MW-02Dup | 9/14/11 | ND | BMDL |
| Equipment Rinsate | | 9/14/11 | 14.1 (Benzophenone) | BMDL |
| | | **2L GWQS (µg/L)** | NE | Varies |

All results in micrograms per Liter (µg/L).
Results in bold exceed the 2L Groundwater Quality Standard (GWQS).
BMDL = Below Method Detection Limit
J = Amount detected is between the method detection limit and the lower calibration limit
2L GWQS = NCAC T15A:02L Groundwater Quality Standards
ND = Not Detected
NE = None Established

**TABLE 4**
**SUMMARY OF GROUNDWATER LABORATORY RESULTS - STANDARD METHOD 6200-B**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington, New Hanover County, NC
Site ID No. NONCD0002851

| **Well ID** | **Contaminant of Concern →** | | Toluene | Tetrachloroethene (Tetrachloroethylene, Perc, PCE) | All Other 6200-B Parameters |
|---|---|---|---|---|---|
| | **Sample ID** | **Date Collected** | | | |
| MW-01 | MW-01 | 9/14/11 | <0.133 | 0.420 J | BMDL |
| MW-02 | MW-02 | 9/14/11 | <0.133 | <0.155 | BMDL |
| MW-02 | MW-02Dup | 9/14/11 | <0.133 | <0.155 | BMDL |
| Equipment Rinsate | | 9/14/11 | 0.360 J | <0.155 | BMDL |
| Trip Blank | | 9/14/11 | <0.133 | <0.155 | BMDL |
| | | **2L GWQS (µg/L)** | 600 | 0.7 | Varies |

All results in micrograms per Liter (µg/L).
BMDL = Below Method Detection Limit
J = Amount detected is between the method detection limit and the lower calibration limit
2L GWQS = NCAC T15A:02L Groundwater Quality Standards

**TABLE 5**
**SUMMARY OF SOIL LABORATORY RESULTS**
**EPA METHOD 6010C**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington, New Hanover County, NC
Site ID No. NONCD0002851

| Sample ID | Contaminant of Concern → | | Antimony | Arsenic | Beryllium | Cadmium | Total Chromium | Chromium III | Chromium VI | Copper | Lead | Manganese | Nickel | Selenium | Silver | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Date Collected | Sample Depth (ft. BLS) | | | | | | | | | | | | | | |
| **SB01 (1.0-2.0)** | 8/12/2011 | (1.0 - 2.0) | <0.549 | <0.401 | * | * | 2.64 | NA | NA | 15.9 | 162 | **86.7** | 1.12 | <0.426 | NA | 69.2 |
| **SB01 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.503 | 0.597 J | * | * | 5.40 | NA | NA | 27.4 | **504** | **133** | 2.05 | 0.396 J | NA | 231 |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | <0.508 | 0.985 J | * | * | 3.40 | NA | NA | 16.8 | 174 | 57.5 | 1.14 | <0.394 | NA | 121 |
| **SB02 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.552 | <0.403 | * | * | 4.65 | NA | NA | 141 | 193 | **84.6** | 8.84 | <0.428 | NA | 227 |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | <0.519 | <0.379 | * | * | 1.88 | NA | NA | 4.79 | 62.7 | 9.66 | 0.471 J | <0.402 | NA | 103 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.515 | <0.376 | * | * | 1.72 | NA | NA | 4.83 | 20.9 | 11.0 | 0.435 J | <0.400 | NA | 25.5 |
| **SB04 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.605 | ****2.74** | * | * | 11.2 | NA | NA | 95.4 | **577** | **325** | 3.89 | 0.677 J | NA | 234 |
| **SB-04-2 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 24.0 | 21.9 | **2.09 J** | NA | NA | NA | NA | NA | NA | NA |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.508 | <0.371 | * | * | 2.23 | NA | NA | 5.35 | 121 | 11.5 | 0.403 J | <0.394 | NA | 306 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.462 | <0.337 | * | * | 0.409 J | NA | NA | 1.41 | 1.79 | 1.66 | <0.356 | <0.358 | NA | 11.0 |
| **SB07 (1.0-1.5)** | 8/12/2011 | (1.0 - 1.5) | 0.768 J | 2.29 | * | * | 22.0 | NA | NA | 48.3 | **396** | 46.2 | 4.22 | <0.440 | NA | 405 |
| **SB-07-2 (1-1.5 ft)** | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 43.4 | 38.6 | **4.76** | NA | NA | NA | NA | NA | NA | NA |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.537 | 1.45 | * | * | 3.50 | NA | NA | 12.5 | 105 | 36.6 | 1.14 | <0.417 | NA | 74.6 |
| **SB09 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.552 | 0.479 J | * | * | 3.90 | NA | NA | 18.8 | 194 | **88.8** | 1.29 | <0.429 | NA | 102 |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.498 | <0.363 | | | 2.74 | NA | NA | 12.6 | 163 | **68.0** | 0.747 J | <0.386 | NA | 72.8 |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.509 | 0.488 J | * | * | 25.1 | NA | NA | 29.8 | **445** | **95.3** | 1.29 | <0.395 | NA | 145 |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.460 | <0.336 | * | * | 11.0 | NA | NA | 25.9 | 257 | **87.5** | 0.820 J | <0.357 | NA | 111 |
| SB-11-2 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 15.2 | 15.2 | <0.229 | NA | NA | NA | NA | NA | NA | NA |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.535 | <0.390 | * | * | 0.982 J | NA | NA | 5.53 | 29.2 | 28.5 | 0.582 J | 0.430 J | NA | 8.46 |
| SB13 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.594 | <0.434 | * | * | 2.41 | NA | NA | 14.9 | 40.5 | 23.8 | 0.826 J | <0.461 | NA | 41.7 |
| SB-14 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 1.23 | 0.122 J | 2.17 | NA | NA | 12.9 | 51.4 | 25.7 | 0.798 J | * | <0.114 | 21.9 |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 0.890 J | 0.115 J | 2.94 | NA | NA | 14.4 | 166 | 20.4 | 1.42 | * | <0.108 | 48.7 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | <0.893 | <0.0740 | 1.28 | NA | NA | 1.01 J | 13.3 | 2.93 | <0.310 | * | <0.117 | 7.71 |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | * | * | <0.797 | 0.311 J | 5.82 | NA | NA | 27.5 | **292** | **70.9** | 1.81 | * | 0.232 J | 151 |
| SB-18 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 1.03 | 0.239 J | 4.58 | NA | NA | 15.3 | 121 | 41.1 | 1.80 | * | <0.113 | 74.2 |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | * | * | <0.887 | **4.60** | 57.0 | NA | NA | 59.3 | ****1,200** | **157** | 8.00 | * | 0.294 J | 1,110 |
| SB-23 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 0.52 J | <5.0 | <5.3 | NA | NA | NA | NA | NA | NA | NA |
| SB-24 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 5.6 | 5.6 | <5.7 | NA | NA | NA | NA | NA | NA | NA |
| SB-25 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 1.4 | <5.0 | <6.1 | NA | NA | NA | NA | NA | NA | NA |
| SB-26 (0-1') | 1/7/2013 | (0.0 - 1.0) | NA | NA | NA | NA | 73.1 | 71.3 | <5.3 | NA | NA | NA | NA | NA | NA | NA |
| SB-27 (1-2') | 1/7/2013 | (1.0 - 2.0) | NA | NA | NA | NA | 6.8 | 6.8 | <5.9 | NA | NA | NA | NA | NA | NA | NA |
| SB-28 (0-1') | 1/7/2013 | (0.0 - 1.0) | NA | NA | NA | NA | 8.8 | 8.8 | <4.8 | NA | NA | NA | NA | NA | NA | NA |
| SB-31 (2-3') | 1/3/2013 | (2.0 - 3.0) | NA | NA | NA | NA | NA | NA | NA | NA | 13.2 | 6.9 | NA | NA | NA | NA |
| **SB-33 (.5-1)** | 3/7/2013 | (0.5 - 1.0) | NA | NA | NA | NA | 9.3 | NA | **0.847** | NA | 238 | NA | NA | NA | NA | NA |
| SB-38 (.5-1) | 3/7/2013 | (0.5 - 1.0) | NA | NA | NA | NA | 2.5 | NA | 0.354 | NA | 35.8 | NA | NA | NA | NA | NA |
| **Protection of Groundwater Preliminary Soil RG** | | | 0.90 | 5.8 | 63 | 3 | NE | 360,000 | 3.8 | 700 | 270 | 65 | 130 | 2.1 | 3.4 | 1,200 |
| **Preliminary Residential Health Based Soil RG** | | | 6.2 | 0.39 | 32 | 14 | NE | 24,000 | 0.29 | 620 | 400 | 360 | 300 | 78 | 78 | 4,600 |
| **Preliminary Industrial Health Based Soil RG** | | | 82 | 1.6 | 400 | 160 | NE | 100,000 | 5.6 | 8,200 | 800 | 4,600 | 4,000 | 1,000 | 1,000 | 62,000 |
| **Established Site Specific Background Concentration** | | | 0.2248 | 2.40 | 0.1032 | 0.746 | 6.87 | 8.4 | 0.495 | 28.3 | 222 | 67.7 | 2.94 | 0.268 | 0.0832 | 124 |

All results and Preliminary Soil Remediation Goals (PSRG) in milligrams per kilogram (mg/kg).
RG = Remediation Goal
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG and Background Concentration.
Shaded results and Sample IDs exceed the Residential Health Based PSRG and Background Concentration.
** = Result exceeds the Industrial Health Based PSRG and Background Concentration
< = Less than method detection limit
* = See Table 3 - EPA Method 6020A
NA = Not Analyzed
NE = None Established
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit

**TABLE 6**
**SUMMARY OF SOIL LABORATORY RESULTS**
**EPA METHOD 6020A**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington, New Hanover County, NC
Site ID No. NONCD0002851

| Sample ID | Contaminant of Concern → | | Antimony | Arsenic | Beryllium | Cadmium | Lead | Manganese | Selenium | Thallium |
|---|---|---|---|---|---|---|---|---|---|---|
| | Date Collected | Sample Depth (ft. BLS) | | | | | | | | |
| SB01 (1.0-2.0) | 8/12/2011 | (1.0 - 2.0) | * | * | <0.0195 | 0.0439 J | * | * | * | <0.0269 |
| SB01 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0179 | 0.352 | * | * | * | <0.0247 |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | * | * | <0.0181 | 0.0915 J | * | * | * | <0.0249 |
| SB02 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0196 | 0.254 | * | * | * | <0.0270 |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | * | * | <0.0185 | 0.0933 J | * | * | * | <0.0254 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | * | * | <0.0183 | 0.330 | * | * | * | <0.0252 |
| SB04 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | 0.0484 J | 0.218 | * | * | * | <0.0297 |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0181 | 0.0610 J | * | * | * | <0.0249 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0164 | 0.129 | * | * | * | <0.0226 |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | * | * | <0.0202 | 1.27 | * | * | * | <0.0278 |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0191 | 0.0752 J | * | * | * | <0.0263 |
| SB09 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0197 | 0.144 | * | * | * | <0.0271 |
| SB10 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0177 | 0.0697 J | * | * | * | <0.0244 |
| SB11 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0181 | 0.153 | * | * | * | <0.0249 |
| SB11D (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0164 | 0.110 | * | * | * | <0.0225 |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0190 | <0.0190 | * | * | * | <0.0262 |
| SB13 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0212 | <0.0212 | * | * | * | <0.0291 |
| SB-14 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.234 | 0.508 | * | * | * | * | 0.117 | <0.0124 |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.236 | 0.856 | * | * | * | * | 0.120 | <0.0118 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.0314 J | 0.115 | * | * | * | * | 0.105 | <0.0128 |
| SB-17 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.238 | 1.33 | * | * | * | * | 0.154 | 0.0140 J |
| SB-18 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.692 | 1.49 | * | * | * | * | 0.136 | <0.0124 |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **1.76** | ****3.13** | * | * | * | * | 0.280 | <0.0127 |
| SB-22 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 0.93 | 1.6 | NA | NA |
| SB-23 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | <0.31 | NA | NA | 48.1 | 4.3 | NA | NA |
| **SB-24 (2-3')** | 1/7/2013 | (2.0 - 3.0) | NA | ****2.5** | NA | NA | **398** | 40.4 | NA | NA |
| SB-25 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | 0.49 J | NA | NA | 68.2 | 12.1 | NA | NA |
| **SB-26 (0-1')** | 1/7/2013 | (0.0 - 1.0) | NA | 0.96 | NA | NA | **696** | 40.7 | NA | NA |
| SB-27 (1-2') | 1/7/2013 | (1.0 - 2.0) | NA | 0.53 J | NA | NA | 121 | 43.3 | NA | NA |
| **SB-28 (0-1')** | 1/7/2013 | (0.0 - 1.0) | NA | 2.4 | NA | NA | **390** | **183** | NA | NA |
| SB-31 (2-3') | 1/3/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 13.2 | 6.9 | NA | NA |
| **Protection of Groundwater Preliminary Soil Remediation Goal** | | | 0.90 | 5.8 | 63 | 3 | 270 | 65 | 2.1 | 0.28 |
| **Preliminary Residential Health Based Soil Remediation Goal** | | | 6.2 | 0.39 | 32 | 14 | 400 | 360 | 78 | 0.16 |
| **Preliminary Industrial Health Based Soil Remediation Goal** | | | 82 | 1.6 | 400 | 160 | 800 | 4,600 | 1,000 | 2.0 |
| **Established Site Specific Background Concentration** | | | 0.2278 | 2.40 | 0.1032 | 0.746 | 222 | 67.7 | 0.268 | 0.0272 |

All results and Preliminary Soil Remediation Goals (PSRG) in milligrams per kilogram (mg/kg).
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG and Background Concentration.
Shaded results exceed the Residential Health Based PSRG and Background Concentration.
** = Result exceeds Industrial Health Based PSRG and Background Concentration
< = Less than method detection limit
* = See Table 2 - EPA Method 6010C
NA = Not Analyzed
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit

**TABLE 7**
**SUMMARY OF SOIL LABORATORY RESULTS**
**EPA METHOD 7471B**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington, New Hanover County, NC
Site ID No. NONCD0002851

| Sample ID | Contaminant of Concern → | | Mercury |
|---|---|---|---|
| | Date Collected | Sample Depth (ft. BLS) | |
| SB01 (1.0-2.0) | 8/12/2011 | (1.0 - 2.0) | 0.195 |
| SB01 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.281 |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | 0.469 |
| SB02 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.323 |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | 0.0942 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | 0.0270 |
| **SB04 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | **2.69** |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.137 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.00227 J |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | 0.271 |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.385 |
| SB09 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.493 |
| SB10 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.603 |
| SB11 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.786 |
| SB11D (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.644 |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.107 |
| SB13 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.165 |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **2.54** |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.223 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.134 |
| SB-17 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.478 |
| SB-18 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.157 |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **1.02** |
| SB-23 (2-3') | 1/7/2013 | (2.0 - 3.0) | 0.049 |
| SB-24 (2-3') | 1/7/2013 | (2.0 - 3.0) | 0.26 |
| SB-25 (2-3') | 1/7/2013 | (2.0 - 3.0) | 0.021 |
| SB-26 (0-1') | 1/7/2013 | (0.0 - 1.0) | 0.21 |
| SB-27 (1-2') | 1/7/2013 | (1.0 - 2.0) | 0.26 |
| **SB-28 (0-1')** | 1/7/2013 | (0.0 - 1.0) | **1.7** |
| SB-30 (2-3') | 1/3/2013 | (2.0 - 3.0) | 0.80 |
| **Protection of Groundwater Preliminary Soil Remediation Goal** | | | 1.0 |
| **Preliminary Residential Health Based Soil Remediation Goal** | | | 2.0 |
| **Preliminary Industrial Health Based Soil Remediation Goal** | | | 3.1 |
| **Established Site Specific Background Concentration** | | | 0.543 |

All results and Preliminary Soil Remediation Goals (PSRG) in milligrams per kilogram (mg/kg).
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG and Background Concentration.
Shaded results and Sample IDs exceed the Residential Health Based PSRG and Background Concentration.
< = Less than method detection limit
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit

**TABLE 8**
**SUMMARY OF SOIL LABORATORY RESULTS**
**EPA METHOD 8260B**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington, New Hanover County, NC
Site ID No. NONCD0002851

| Sample ID | Contaminant of Concern → | | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | 2-Butanone (Methyl Ethyl Ketone) | 4-Isopropyltoluene (p-Isopropyltoluene) | Acetone | Benzene | Ethyl Benzene | Methyl iodide | Methylene chloride | Naphthalene | Tetrachloroethene (Tetrachloroethylene, Perc, PCE) | Trichlorofluoro-methane | Toluene | Total Xylenes | All other Method 8260B Parameters |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Date Collected** | **Sample Depth (ft. BLS)** | | | | | | | | | | | | | | | |
| **SB01 (1.0-2.0)** | 8/12/2011 | (1.0 - 2.0) | <0.877 | <1.21 | 2.55 J | <1.17 | 32.9 J | <1.01 | <0.932 | <0.953 | 2.42 J | <1.36 | **43.4** | <0.850 | 1.16 J | <3.13 | BMDL |
| **SB01 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.729 | <1.00 | 4.37 J | <0.975 | 57.0 | 3.13 J | <0.775 | <0.793 | 5.28 J | <1.13 | **27.9** | <0.707 | 1.71 J | <2.607 | BMDL |
| **SB02 (1.0-2.0)** | 8/11/2011 | (1.0 - 2.0) | <6.19 | 5.54 J | <36.4 | <3.87 | <43.5 | <5.69 | <4.42 | <5.79 | <7.65 | 12.1 J | **229** | <6.90 | 20.1 J | 24.15 J | BMDL |
| **SB02 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | 9.54 J | <4.83 | <36.3 | <3.86 | <43.4 | <5.68 | <4.41 | <5.78 | 9.54 J | <4.30 | **298** | <6.88 | <6.68 | <13.53 | BMDL |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | <0.830 | <1.14 | <1.66 | <1.11 | 8.31 J | <0.952 | <0.882 | <0.902 | 1.13 J | <1.29 | 1.47 J | <0.804 | <0.864 | <2.97 | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.794 | <1.09 | <1.59 | <1.06 | 6.02 J | <0.911 | <0.844 | <0.863 | 2.33 J | <1.23 | 2.28 J | <0.769 | <0.827 | <2.84 | BMDL |
| SB04 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.969 | <1.33 | 16.0 J | <1.30 | 135 | <1.11 | <1.03 | <1.05 | <0.870 | <1.51 | 3.96 J | <0.939 | <1.01 | <3.47 | BMDL |
| **SB05 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.697 | <0.958 | <1.40 | <0.931 | 5.34 J | <0.800 | <0.741 | <0.758 | 2.59 J | <1.08 | **29.5** | <0.675 | <0.725 | <2.494 | BMDL |
| **SB06 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.795 | <1.09 | <1.59 | <1.06 | <1.27 | <0.913 | <0.845 | <0.865 | 9.77 J | <1.24 | **51.1** | <0.771 | <0.828 | <2.84 | BMDL |
| **SB07 (1.0-1.5)** | 8/12/2011 | (1.0 - 1.5) | <0.813 | <1.12 | 13.9 J | <1.09 | 89.3 | 3.03 J | 1.35 J | 1.22 J | 4.96 J | 1.58 J | **5.08 J** | <0.788 | 3.21 J | 9.92 J | BMDL |
| **SB08 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.744 | <1.02 | 2.85 J | <0.994 | 22.5 J | 0.927 J | <0.791 | <0.809 | 2.88 J | <1.16 | **7.32** | <0.721 | 0.946 J | <2.656 | BMDL |
| **SB09 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <6.22 | <4.86 | <36.6 | <3.89 | <43.7 | <5.72 | <4.44 | <5.82 | 11.6 J | <4.32 | **267** | <6.93 | <6.73 | <13.63 | BMDL |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <6.17 | 6.52 J | 82.7 J | <3.86 | <43.3 | <5.67 | <4.40 | <5.77 | 10.0 J | 11.0 J | **632** | <6.87 | <6.67 | <13.51 | BMDL |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.776 | <1.07 | 2.85 J | <1.04 | 71.6 | 1.62 J | <0.825 | <0.844 | 4.72 J | <1.21 | **8.90** | <0.752 | 1.68 J | <2.78 | BMDL |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.748 | <1.03 | 2.15 J | <1.00 | 48.6 | 1.19 J | <0.795 | <0.814 | 5.57 J | <1.16 | **8.46** | <0.725 | 1.34 J | <2.671 | BMDL |
| **SB12 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.832 | <1.14 | <1.67 | <1.11 | 27.0 J | <0.955 | <0.884 | <0.904 | 4.00 J | <1.29 | **9.08** | <0.806 | <0.866 | <2.97 | BMDL |
| **SB13 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <7.39 | <5.77 | <43.4 | **743** | <51.9 | <6.79 | <5.27 | <6.91 | 10.8 J | <5.14 | **21.6 J** | <8.23 | <7.99 | <16.15 | BMDL |
| Trip Blank | 8/12/2011 | Not Applicable | <0.778 | <1.07 | <1.56 | <1.04 | <1.24 | <0.893 | <0.827 | <0.846 | 2.64 J | <1.21 | <0.752 | <0.754 | <0.810 | <2.78 | BMDL |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.798 | <1.10 | <1.60 | <1.07 | <1.27 | <0.916 | <0.848 | <0.867 | 1.36 J | <1.24 | **10.5** | 2.61 J | <0.830 | <1.81 | BMDL |
| **SB-15 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.892 | <1.23 | <1.79 | <1.19 | <1.42 | <1.02 | <0.948 | <0.970 | <0.800 | <1.39 | **5.52 J** | 0.894 J | <0.929 | <2.03 | BMDL |
| **SB-16 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.779 | <1.07 | <1.56 | <1.04 | 4.06 J | <0.894 | <0.828 | <0.847 | 3.84 J | <1.21 | **5.08** | 2.56 J | <0.811 | <1.77 | BMDL |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <6.51 | <5.09 | <38.3 | <4.07 | <45.7 | <5.98 | <4.64 | <6.09 | <8.04 | <4.52 | **944** | <7.25 | <7.04 | <9.63 | BMDL |
| **SB-18 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.819 | <1.13 | <1.64 | <1.09 | <1.30 | <0.940 | <0.870 | <0.890 | **53.2** | <1.27 | <0.791 | <0.793 | 3.47 J | <1.86 | BMDL |
| SB-20 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | <1.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-21 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | <1.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-22 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | <1.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Protection of Groundwater Preliminary Soil RG** | | | 1,200 | 6,700 | 16,000 | 680 | 24,000 | 7.3 | 8,100 | NE | 23 | 210 | 5.0 | 24,000 | 5,500 | 5,800 | Varies |
| **Preliminary Residential Health Based Soil RG** | | | 640,000 | 12,000 | 5,600,000 | NE | 12,000,000 | 1,100 | 5,400 | NE | 56,000 | 3,600 | 17,000 | 160,000 | 820,000 | 130,000 | Varies |
| **Preliminary Industrial Health Based Soil RG** | | | 640,000 | 52,000 | 28,000,000 | NE | 100,000,000 | 5,400 | 27,000 | NE | 620,000 | 18,000 | 82,000 | 680,000 | 820,000 | 260,000 | Varies |

All results and Preliminary Soil Remediation Goals (PSRG) in micrograms per kilogram (ug/kg).
RG = Remediation Goal
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG.
< = Less than method detection limit
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit
BMDL = Below Method Detection Limit. Refer to analytical report for a complete list of parameters and detection limits.
NA = Not Analyzed
NE = None Established

**TABLE 9**
**SUMMARY OF SOIL LABORATORY RESULTS**
**EPA METHOD 8270D**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington, New Hanover County, NC
Site ID No. NONCD0002851

| Sample ID | Date Collected | SampleDepth (ft. BLS) | 1-Methylnaphthalene | 2-Methylnaphthalene | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Di-n-butyl phthalate (Dibutyl Phthalate) | Dibenz(a,h)anthracene | Dibenzofuran | Fluoranthene | Fluorene | Indeno(1,2,3-cd)pyrene | Naphthalene | Phenanthrene | Pyrene | All other Method 8270D Parameters |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SB01 (1.0-2.0)** | 8/12/2011 | (1.0 - 2.0) | NA | 97.3 J | 32.4 J | 104 J | 68.4 J | **364** | ****537** | **937** | 461 | 281 J | 793 | <17.1 | **93.7 J** | 162 J | 1,960 | 112 J | **400** | 173 J | 2,240 | 1,750 | BMDL |
| **SB01 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <28.3 | <15.9 | 59.3 J | <15.5 | 133 J | ****255 J** | **513** | 283 J | 202 J | 450 | <16.6 | **38.4 J** | 38.4 J | 908 | <18.6 | **234 J** | <30.2 | 775 | 775 | BMDL |
| **SB02 (1.0-2.0)** | 8/11/2011 | (1.0 - 2.0) | NA | <26.9 | <15.1 | <14.0 | <14.8 | **163 J** | ****219 J** | **289 J** | 169 J | 126 J | 209 J | <15.7 | **39.8 J** | <26.0 | 342 | <17.6 | **153 J** | <28.7 | 133 J | 342 | BMDL |
| **SB02 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | NA | <28.4 | <15.9 | <14.8 | <15.6 | 101 J | **122 J** | **154 J** | 98.0 J | 66.5 J | 119 J | <16.6 | <15.8 | <27.5 | 164 J | <18.6 | 80.5 J | <30.3 | 70.0 J | 161 J | BMDL |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | NA | <28.7 | <16.1 | <15.0 | <15.8 | <19.5 | <20.1 | <20.4 | <56.6 | <42.6 | <41.3 | <16.8 | <16.0 | <27.8 | <33.4 | <18.9 | <27.7 | <30.7 | <23.4 | <15.0 | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | NA | <27.0 | <15.1 | <14.1 | <14.8 | <18.3 | <18.9 | <19.2 | <53.0 | <39.9 | <38.8 | <15.8 | <15.0 | <26.1 | <31.3 | <17.7 | <26.0 | <28.8 | <21.9 | <14.1 | BMDL |
| **SB04 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | NA | <32.4 | <18.2 | <16.9 | <17.8 | 51.9 J | **59.9 J** | 71.9 J | <63.7 | <48.0 | 59.9 J | <18.9 | <18.0 | <31.4 | 75.9 J | <21.2 | <31.2 | <34.6 | 39.9 J | 79.9 J | BMDL |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <26.1 | <14.6 | <13.6 | <14.3 | <17.7 | <18.2 | <18.6 | <51.3 | <38.6 | <37.5 | <15.3 | <14.5 | <25.3 | <30.3 | <17.1 | <25.1 | <27.8 | <21.2 | <13.6 | BMDL |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <26.9 | <15.1 | <14.0 | <14.8 | <18.3 | <18.8 | <19.1 | <52.9 | <39.8 | <38.6 | <15.7 | <15.0 | <26.0 | <31.2 | <17.6 | <25.9 | <28.7 | <21.9 | <14.0 | BMDL |
| **SB07 (1.0-1.5)** | 8/12/2011 | (1.0 - 1.5) | NA | 59.9 J | <16.0 | <14.9 | <15.7 | 31.7 J | **31.7 J** | <20.3 | <56.2 | <42.3 | 42.3 J | 35.2 J | <15.9 | <27.7 | 49.3 J | <18.7 | <27.5 | 52.8 J | 35.2 J | 63.4 J | BMDL |
| **SB08 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | 29.7 J | 29.7 J | 162 J | 126 J | **968** | ****839** | **1,250** | 373 | 429 | 1,040 | <15.7 | **116 J** | <25.9 | 1,590 | 39.6 J | **367** | 33.0 J | 697 | 1,800 | BMDL |
| **SB09 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | NA | <28.3 | <15.9 | <14.7 | <15.5 | 87.2 J | **94.1 J** | 136 J | <55.6 | 73.2 J | 101 J | <16.5 | <15.8 | <27.4 | 185 J | <18.5 | 45.3 J | <30.2 | 108 J | 167 J | BMDL |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <27.1 | <15.2 | <14.1 | <14.9 | 43.4 J | **70.2 J** | 104 J | <53.3 | 46.8 J | 76.8 J | <15.8 | <15.1 | <26.2 | 144 J | <17.8 | 40.1 J | <28.9 | 93.6 J | 140 J | BMDL |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <27.7 | <15.5 | <14.4 | <15.2 | 44.4 J | **54.7 J** | 82.0 J | <54.5 | <41.0 | 54.7 J | <16.2 | <15.4 | <26.8 | 92.2 J | <18.2 | 27.3 J | <29.6 | 44.4 J | 85.4 J | BMDL |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <27.2 | <15.3 | <14.2 | <14.9 | 43.6 J | **53.7 J** | 80.5 J | <53.5 | <40.3 | 50.3 J | <15.9 | <15.2 | <26.3 | 83.9 J | <17.8 | <26.2 | <29.0 | 33.5 J | 87.2 J | BMDL |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | NA | <29.9 | <16.8 | <15.6 | <16.4 | <20.3 | <20.9 | <21.3 | <58.8 | <44.3 | <43.0 | <17.5 | <16.7 | <28.9 | <34.7 | <19.6 | <28.8 | <31.9 | <24.3 | <15.6 | BMDL |
| **SB13 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <34.3 | <19.2 | <17.9 | <18.8 | 71.9 J | **80.4 J** | 114 J | <67.5 | <50.8 | 71.9 J | <20.1 | <19.1 | <33.2 | 118 J | <22.5 | 38.1 J | <36.6 | <27.9 | 127 J | BMDL |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <13.3 | <27.6 | <15.5 | <14.4 | <15.2 | <18.8 | **34.1 J** | 64.8 J | <54.4 | <41.0 | 71.6 J | NA | <15.4 | NA | 140 | <18.1 | 30.7 J | <29.5 | 88.7 J | 119 J | NA |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | <13.9 | <28.9 | <16.2 | <15.1 | <15.9 | <19.7 | <20.2 | <20.6 | <56.9 | <42.9 | <41.6 | NA | <16.1 | NA | 60.6 J | <19.0 | <27.9 | <30.9 | 60.6 J | 49.9 J | NA |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | <13.2 | <27.3 | <15.3 | <14.2 | <15.0 | <18.5 | <19.1 | <19.4 | <53.7 | <40.4 | <39.2 | NA | <15.2 | NA | 47.1 J | <17.9 | <26.3 | <29.1 | 33.7 J | 40.4 J | NA |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <13.4 | <27.8 | <15.6 | 103 J | 75.6 J | **1,120** | ****1,420** | **1,690** | 1,210 | 622 | 1,490 | NA | ****251 J** | NA | 2,610 | <18.3 | **1,000** | 55.0 J | 1,030 | 2,490 | NA |
| **SB-18 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | 33.0 J | 36.3 J | <15.0 | 49.5 J | 39.6 J | **258 J** | ****277 J** | **337** | 277 J | 145 J | 320 J | NA | **62.7 J** | NA | 492 | <17.6 | **211 J** | 52.8 J | 297 J | 439 | NA |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **173 J** | 252 J | <16.4 | 46.9 J | 46.9 J | **220 J** | <20.4 | <20.8 | <57.5 | <43.3 | 285 J | NA | <16.3 | NA | 451 | <19.2 | <28.2 | 191 J | 314 J | 483 | NA |
| **SB-20** | 2/14/2013 | (0.7 - 1.2) | 2.5 J | 2.9 J | <1.7 | 2.6 J | 6.4 J | 50.5 | **56.5** | 52.7 | 24.2 | 28.8 | 46.8 | NA | 4.1 J | NA | 84.5 | <1.8 | 25.6 | 3.2 J | 31.8 | 84.9 | NA |
| **SB-21** | 2/14/2013 | (0.7 - 1.2) | <14.9 | <13.7 | 35.3 J | <16.2 | 100 J | **517** | ****495** | **498** | 234 | 350 | 436 | NA | **108 J** | NA | 1,050 | 27.7 J | **239** | <28.6 | 407 | 935 | NA |
| **SB-22** | 2/14/2013 | (1.0 - 1.5) | **5,910** | **5,520** | **19,100** | <290 | 46,000 | ****74,800** | ****52,600** | ****44,800** | 26,800 | ****43,700** | **70,000** | NA | ****13,900** | NA | 141,000 | 18,600 | ****26,300** | **4,980** | **151,000** | 118,000 | NA |
| **SB-23** | 2/14/2013 | (0.7 - 1.2) | 2.8 J | 3.2 J | 2.3 J | <1.4 | 1.6 J | 11.5 | **24.8** | 18.9 | 16.2 | 14.4 | 11.6 | NA | 12.2 | NA | 9.7 J | <1.7 | 18.4 | 3.0 J | 6.0 J | 8.5 J | NA |
| SB-24 | 2/14/2013 | (0.7 - 1.2) | <1.3 | <1.2 | <1.7 | <1.4 | <1.5 | 12.3 | <1.2 | 12.8 | 8.5 J | 9.1 J | 13.1 | NA | 5.7 J | NA | 18.7 | <1.8 | 9.3 J | <2.5 | 4.8 J | 16.9 | NA |
| SB-25 | 2/14/2013 | (0.7 - 1.2) | <1.4 | <1.3 | <1.8 | <1.5 | 2.0 J | 11.7 J | <1.3 | <0.79 | 5.8 J | 7.7 J | 10.7 J | NA | 3.5 J | NA | 19.5 | <1.9 | 5.8 J | <2.7 | 8.9 J | 17.3 | NA |
| **SB-26** | 2/14/2013 | (0.7 - 1.2) | <1,440 | <1,320 | <1,800 | <1,560 | <1,680 | ****2,210 J** | <1,320 | <805 | <3,120 | <1,800 | <2,160 | NA | <2,160 | NA | 3,900 J | <1,920 | <3,360 | <2,760 | 2,870 J | 3,460 J | NA |
| **SB-27** | 2/14/2013 | (0.8 - 1.3) | **63.9 J** | 127 J | <19.5 | <16.9 | <18.2 | 101 J | <14.3 | 110 J | <33.8 | 76.0 J | 116 J | NA | <23.4 | NA | 194 | <20.8 | <36.4 | 101 J | 126 J | 176 | NA |
| **SB-28** | 2/14/2013 | (0.7 - 1.2) | 6.1 J | 7.3 J | <1.7 | <1.5 | <1.6 | 19.7 | **29.2** | 24.9 | 15.4 | 15.6 | 20.8 | NA | 7.2 J | NA | 29.4 | <1.9 | 16.8 | 6.6 J | 11.0 J | 28.6 | NA |
| SB-29 | 2/14/2013 | (2.0 - 2.5) | <1.5 | <1.3 | <1.8 | <1.6 | <1.7 | <0.87 | <1.3 | <0.82 | <3.2 | <1.8 | <2.2 | NA | <2.2 | NA | <1.0 | <2.0 | <3.4 | <2.8 | <1.8 | <2.2 | NA |
| **SB-30** | 2/14/2013 | (1.5 - 2.0) | 1.9 J | 2.3 J | <1.8 | <1.6 | 2.4 J | 20.3 | **25.1** | 20.4 | 10.8 J | 15.5 | 21.0 | NA | <2.2 | NA | 41.3 | <1.9 | 11.3 J | 3.1 J | 17.1 | 35.8 | NA |
| SB-31 | 2/14/2013 | (2.0 - 2.5) | <1.5 | <1.4 | <1.9 | <1.7 | <1.8 | 1.1 J | <1.4 | <0.86 | <3.3 | <1.9 | <2.3 | NA | <2.3 | NA | <1.1 | <2.1 | <3.6 | <2.9 | <1.9 | <2.3 | NA |
| **SB-32 (1-1.5)** | 3/7/2013 | (1.0 - 1.5) | NA | NA | NA | NA | NA | NA | **42.7** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **SB-33 (0.5-1)** | 3/7/2013 | (0.5 - 1.0) | 15.5 J | 29.2 J | <17.4 | 43.6 J | 68.7 J | **173** | <12.7 | <7.8 | 61.0 J | 77.3 J | 164 | NA | <20.9 | NA | 276 | 20.7 J | <32.4 | 31.3 J | 251 | 265 | NA |
| SB-34 (1-1.25) | 3/7/2013 | (1.0 - 1.25) | NA | NA | NA | NA | NA | NA | <13.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **SB-35 (1-1.5)** | 3/7/2013 | (1.0 - 1.5) | <14.1 | <13.0 | <17.7 | <15.3 | 58.0 J | **393** | ****360** | **273** | 177 | 187 | 419 | NA | <21.2 | NA | 709 | <18.9 | **161** | <27.1 | 283 | 633 | NA |
| SB-36 (1-1.5) | 3/7/2013 | (1.0 - 1.5) | NA | NA | NA | NA | NA | NA | <1.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-37 (1-1.5) | 3/7/2013 | (1.0 - 1.5) | NA | NA | NA | NA | NA | NA | <1.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **SB-38 (.5-1)** | 3/7/2013 | (0.5 - 1.0) | 3.2 J | 7.2 J | <1.7 | 3.1 J | 3.9 J | 19.7 | **24.0** | 19.0 | 14.5 | 13.3 | 25.7 | NA | 6.2 J | NA | 39.5 | <1.9 | 13.1 | 6.9 J | 17.4 | 36.4 | NA |
| **SB-39 (1-1.5)** | 4/4/2013 | (1.0 - 1.5) | <13.9 | 14.4 J | 29.0 J | 49.8 J | 138 | **1,160** | ****1,310** | **1,230** | 635 | 908 | 1,150 | NA | ****270** | NA | 1,930 | 31.8 J | **648** | 41.6 J | 610 | 1,840 | NA |
| **SB-40 (1-1.5)** | 04/04/2013 | (1.0 - 1.5) | <12.5 | <11.5 | <15.6 | 15.8 J | 22.8 J | **235** | ****297** | **303** | 166 | 232 | 287 | NA | **65.2 J** | NA | 508 | <16.7 | **161** | <24.0 | 146 | 485 | NA |
| **Protection of Groundwater Preliminary Soil RG** | | | 55 | 1,600 | 8,400 | 21,000 | 660,000 | 180 | 59 | 600 | 7,800,000 | 5,900 | 18,000 | 19,000 | 190 | 5,200 | 330,000 | 56,000 | 2,000 | 210 | 68,000 | 220,000 | Varies |
| **Preliminary Residential Health Based Soil RG** | | | 16,000 | 46,000 | 680,000 | NE | 3,400,000 | 150 | 15 | 150 | NE | 1,500 | 15,000 | 1,200,000 | 15 | 16,000 | 460,000 | 460,000 | 150 | 3,600 | NE | 340,000 | Varies |
| **Preliminary Industrial Health Based Soil RG** | | | 53,000 | 370,000 | 6,600,000 | NE | 34,000,000 | 2,100 | 210 | 2,100 | NE | 21,000 | 210,000 | 12,000,000 | 210 | 170,000 | 4,400,000 | 4,400,000 | 2,100 | 18,000 | NE | 3,400,000 | Varies |

All results and Preliminary Soil Remediation Goals (PSRG) in micrograms per kilogram (ug/kg).
RG = Remediation Goal
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG.
Shaded results and Sample IDs exceed the Residential Health Based PSRG.
** = Result exceeds the Industrial Health Based PSRG
< = Less than method detection limit
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit
BMDL = Below Method Detection Limit. Refer to analytical report for a complete list of parameters and detection limits.
NA = Not Analyzed
NE = None Established

**TABLE 10**
**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHODS 6010C-SPLP AND 7470A-SPLP**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington, New Hanover County, NC
Site ID No. NONCD0002851

| **Method** → | | | **EPA 6010C-SPLP** | | | | | | | | | | | | | **EPA 7470A SPLP** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | **Contaminant of Concern** → | | | | | | | | | | | | | | | |
| | **Date Collected** | **Sample Depth (ft. BLS)** | Antimony | Arsenic | Beryllium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Nickel | Selenium | Thallium | Zinc | Mercury |
| SB07 (1.0-1.5) | 8/12/2011 | 1.0 - 1.5 | <0.00319 | <0.00369 | <0.00858 | **0.00326 J** | **0.0261** | 0.048 | **5.64** | **0.373** | 0.0172 | <0.00306 | <0.00268 | <0.00857 | 0.326 | 0.0000652 J |
| SB11 (2.0-3.0) | 8/12/2011 | 2.0 - 3.0 | <0.00319 | <0.00369 | <0.00858 | 0.00183 J | **0.0177** | 0.0597 | **2.43** | **0.296** | 0.177 | <0.00306 | <0.00268 | <0.00857 | 0.182 | 0.000278 |
| | | **2L GWQS (mg/L)** | 0.001 | 0.01 | 0.004 | 0.002 | 0.01 | 1 | 0.3 | 0.015 | 0.05 | 0.1 | 0.02 | 0.0002 | 1 | 0.001 |

All results in milligrams per liter (mg/L).
ft. BLS = Feet Below Land Surface
< = Less than method detection limit
Result in bold exceed the NCAC 2L Groundwater Quality Standard (2L GWQS).

**TABLE 11**

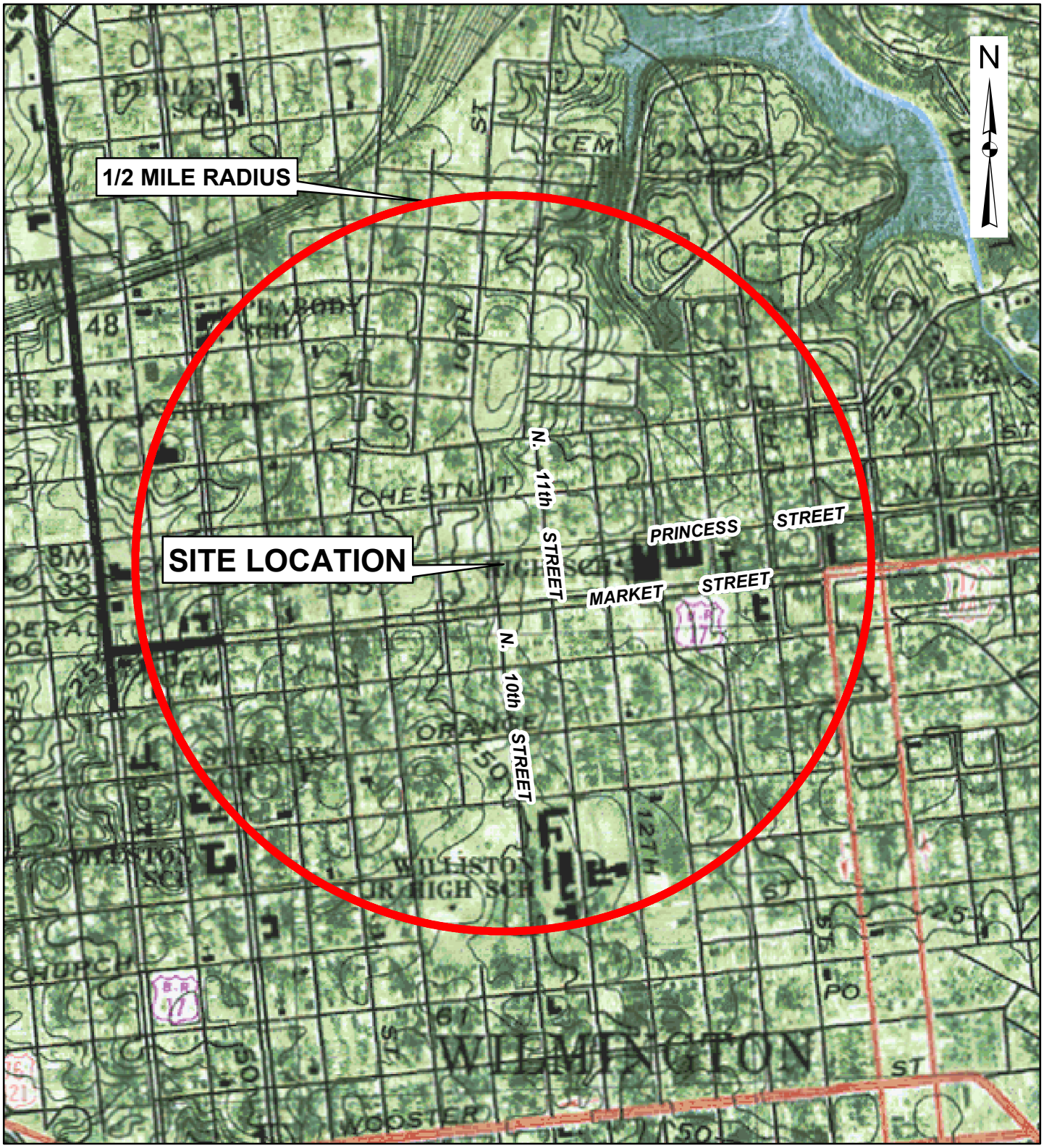
**SUMMARY OF SOIL LABORATORY RESULTS -**
**EPA METHODS 8260B-SPLP (PCE ONLY) AND 8270D-SPLP (PAHs ONLY)**

Coca-Cola Bottling Co. Consolidated
Former Vehicle Maintenance Facility
1002 Princess Street
Wilmington, New Hanover County, NC
Site ID No. NONCD0002851

| Sample ID | Method → | | 8260B-SPLP | 8270D-SPLP |
|---|---|---|---|---|
| | Contaminant of Concern → | | Tetrachloroethene (Tetrachloroethylene, Perc, PCE) | All 8270D-SPLP PAH Parameters |
| | Date Collected | Sample Depth (ft. BLS) | | |
| SB01 (1.0-2.0) | 8/12/2011 | (1.0 - 2.0) | 0.230 J | BMDL |
| SB01 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.170 J | BMDL |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | 0.330 J | BMDL |
| SB02 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.540 J | BMDL |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | 0.160 J | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.155 | BMDL |
| SB-08-2 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | NA | BMDL |
| SB-10-2 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | **2.61** | NA |
| | | **2L GWQS** | 0.7 | Varies |

All results and NCAC T15A:02L Groundwater Quality Standards (2L GWQS) in micrograms per Liter (ug/L).
ft. BLS = Feet Below Land Surface
SPLP = Synthetic Precipitation Leaching Procedure
PAH = Polycyclic Aromatic Hydrocarbons
< = Less than method detection limit
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit
BMDL = Below Method Detection Limit. Refer to analytical report for a complete list of parameters and detection limits.
NA = Not Analyzed
Results in **Bold** exceed the 2L GWQS

# FIGURES




Data Source: Adapted from Terrain Navigator Pro (Wilmignton, 1979)

| | | | | | | |
|---|---|---|---|---|---|---|
| CATLIN Engineers and Scientists<br>220 Old Dairy Road<br>Wilmington, NC 28405<br>Corporate Licensure No. for Engineering Services C-0585 | PROJECT<br>COCA COLA, LLC.<br>REMEDIAL INVESTIGATION<br>1002 PRINCESS STREET<br>WILMINGTON, NC | | TITLE<br>**GENERAL LOCATION USGS QUADRANGLE TOPOGRAPHICAL MAP** | | | **FIGURE** |
| | JOB NO. 208069 | DATE MAY 2013 | SCALE AS SHOWN | DRAWN BY THW | CHECKED BY GRG | **1** |

VICINITY MAP NO SCALE

LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M. | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| O | PROPERTY CORNER |
| N.P.F. | NO POINT FOUND |
| ℄ | CENTER LINE |
| P | PROPERTY LINE |
| SS | SANITARY SEWER |
| MH | MANHOLE |
| CO | CLEAN OUT |
| SD | STORM DRAIN |
| W | WATER LINE |
| GAS | UNDERGROUND GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |
| FO | FIBER-OPTIC |

GROUNDWATER MONITORING WELL

EXISTING GROUNDWATER MONITORING WELL

SOIL SAMPLE LOCATIONS

FORMER S&ME SOIL SAMPLE LOCATIONS

BACKGROUND SOIL SAMPLE LOCATIONS

MANHOLE UNKNOWN

WATER/DITCH

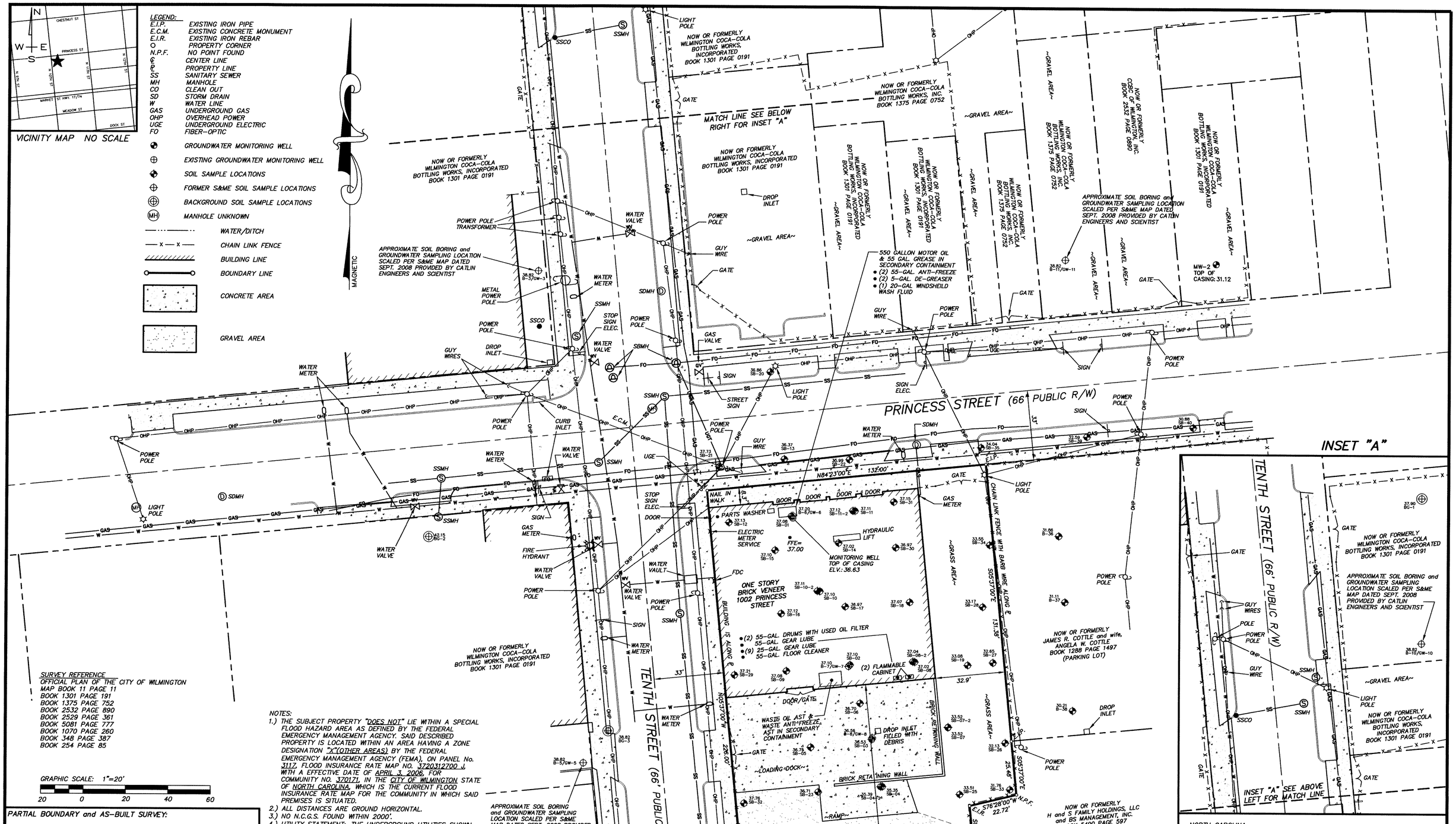
CHAIN LINK FENCE

BUILDING LINE

BOUNDARY LINE

CONCRETE AREA

GRAVEL AREA




INSET "A"




SURVEY REFERENCE
OFFICIAL PLAN OF THE CITY OF WILMINGTON
MAP BOOK 11 PAGE 11
BOOK 1301 PAGE 191
BOOK 1375 PAGE 752
BOOK 2532 PAGE 890
BOOK 2529 PAGE 361
BOOK 5081 PAGE 777
BOOK 1070 PAGE 260
BOOK 348 PAGE 387
BOOK 254 PAGE 85

GRAPHIC SCALE: 1"=20'

20 0 20 40 60

NOTES:

1.) THE SUBJECT PROPERTY "DOES NOT" LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. SAID DESCRIBED PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION "X"(OTHER AREAS) BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON PANEL No. 311Z, FLOOD INSURANCE RATE MAP NO. 3720312700 J, WITH A EFFECTIVE DATE OF APRIL 3, 2006, FOR COMMUNITY NO. 370171, IN THE CITY OF WILMINGTON STATE OF NORTH CAROLINA, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PREMISES IS SITUATED.
2.) ALL DISTANCES ARE GROUND HORIZONTAL.
3.) NO N.C.G.S. FOUND WITHIN 2000'.
4.) UTILITY STATEMENT: THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED UNDERGROUND UTILITIES.

NOTE:
ELEVATION DATA FOR MONITORING WELL IS NAD '88.

REVISED: NOVEMBER 2, 2010 PER ENVIRONMENTAL ENGINEER
REVISED: MAY 3, 2013 PER ENVIRONMENTAL ENGINEER

PARTIAL BOUNDARY and AS-BUILT SURVEY:

**WILMINGTON COCA-COLA BOTTLING WORKS, INC.**

WILMINGTON TOWNSHIP — NEW HANOVER COUNTY
WILMINGTON, NORTH CAROLINA

CLIENT: COCA-COLA BOTTLING COMPANY CONSOLIDATED
ATTN: MR. DOUG LEONARD, DIRECTOR OF ENVIRONMENTAL AFFAIRS
4115 COCA-COLA PLAZA
CHARLOTTE, NC 28231
PHONE: (704)557-4023
FAX: (704)557-4607

MICHAEL UNDERWOOD and ASSOCIATES, PA
102 CINEMA DRIVE, SUITE C
WILMINGTON, NC 28403
PHONE: 910-815-0650
FAX: 910-815-0393
FIRM LICENSE NO.: C-0615

| | |
|---|---|
| SURVEYED: D.C. | APPROVED: M.N.U. |
| DRAWN BY: W.C. | DATE: AUG. 2010 |
| CHECKED BY: M.N.U. | SCALE: 1" = 20' |

CERTIFICATE:
THIS SURVEY IS OF AN EXISTING PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET. THIS MAP IS NOT TO BE USED FOR RECORDATION; REAL ESTATE SALES OR CONVEYANCE.

MAY 9, 2013
MICHAEL N. UNDERWOOD, P.L.S. L-2962 DATE

NORTH CAROLINA PROFESSIONAL SEAL L-2962 LAND SURVEYOR MICHAEL N. UNDERWOOD

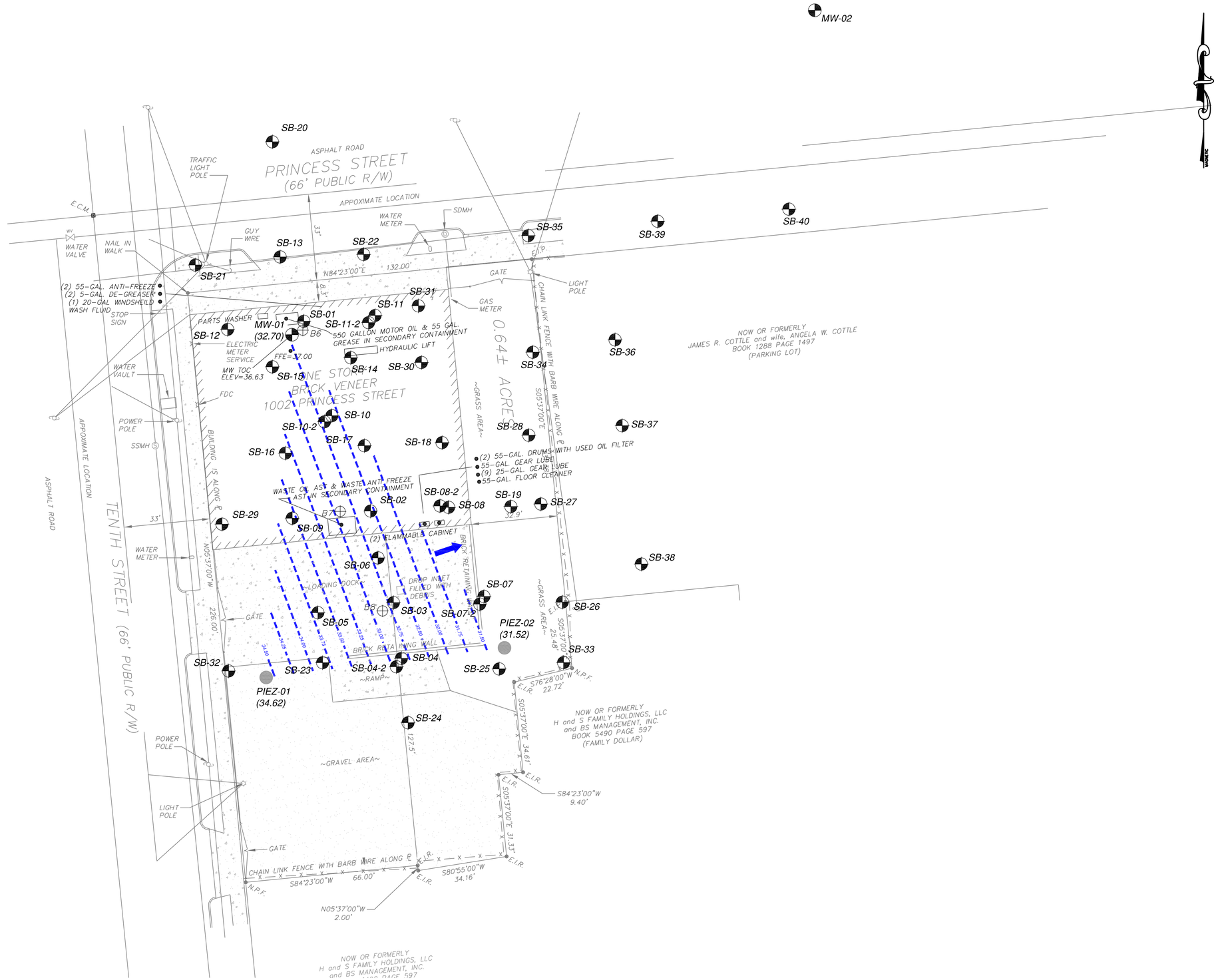
NORTH CAROLINA
NEW HANOVER COUNTY

I, MICHAEL N. UNDERWOOD, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION DESCRIPTION AS SHOWN ON THE FACE OF THIS PLAT RATIO OF PRECISION AS CALCULATED BY COMPUTER IS 1/10,000 + THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN BY BROKEN LINES PLOTTED FROM INFORMATION REFERENCED THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH "THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA" WITNESS MY ORIGINAL SIGNATURE, LICENSE NUMBER AND SEAL THIS 9TH DAY OF MAY A.D., 2013.

MICHAEL N. UNDERWOOD, P.L.S.
LICENSE NUMBER L-2962
SEAL OR STAMP

© 2013 MICHAEL UNDERWOOD AND ASSOCIATES, PA

I:\Warren's LDD 2010\Developers\Coca-Cola\dwg\Survey 04-26-13.dwg 5/3/2013 2:58:57 PM EDT




LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| ○ | PROPERTY CORNER |
| I.P.S. | IRON PIPE SET |
| N.P.F. | NO POINT FOUND |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| ± | APPROXIMATE |
| R/W | RIGHT-OF-WAY |
| ♿ | HANDI-CAP PARKING |
| ℄ | CENTER LINE |
| P.L. | PROPERTY LINE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| SS | SANITARY SEWER |
| CO | CLEAN OUT |
| W | WATER LINE |
| NCNG | NORTH CAROLINA NATURAL GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |
| | WATER/DITCH |
| | FENCE LINE |
| | BUILDING LINE |
| | BOUNDARY LINE |
| | CONCRETE AREA |
| | GRAVEL AREA |
| | GROUNDWATER MONITORING WELL |
| | SOIL SAMPLE LOCATIONS |
| | FORMER SOIL SAMPLE LOCATIONS |
| | PIEZOMETER LOCATION |
| | GROUNDWATER CONTOURS AS OF 8/19/2011 |
| ( # ) | GROUNDWATER ELEVATIONS AS OF 8/19/2011 |
| | GROUNDWATER FLOW DIRECTION |

PRELIMINARY
NOT FOR REAL ESTATE
SALES OR CONVEYANCE

NOTE:
1. MAP ADAPTED FROM SURVEY DATED MAY 8, 2013 AND SURVEYED BY MICHAEL N. UNDERWOOD P.L.S.

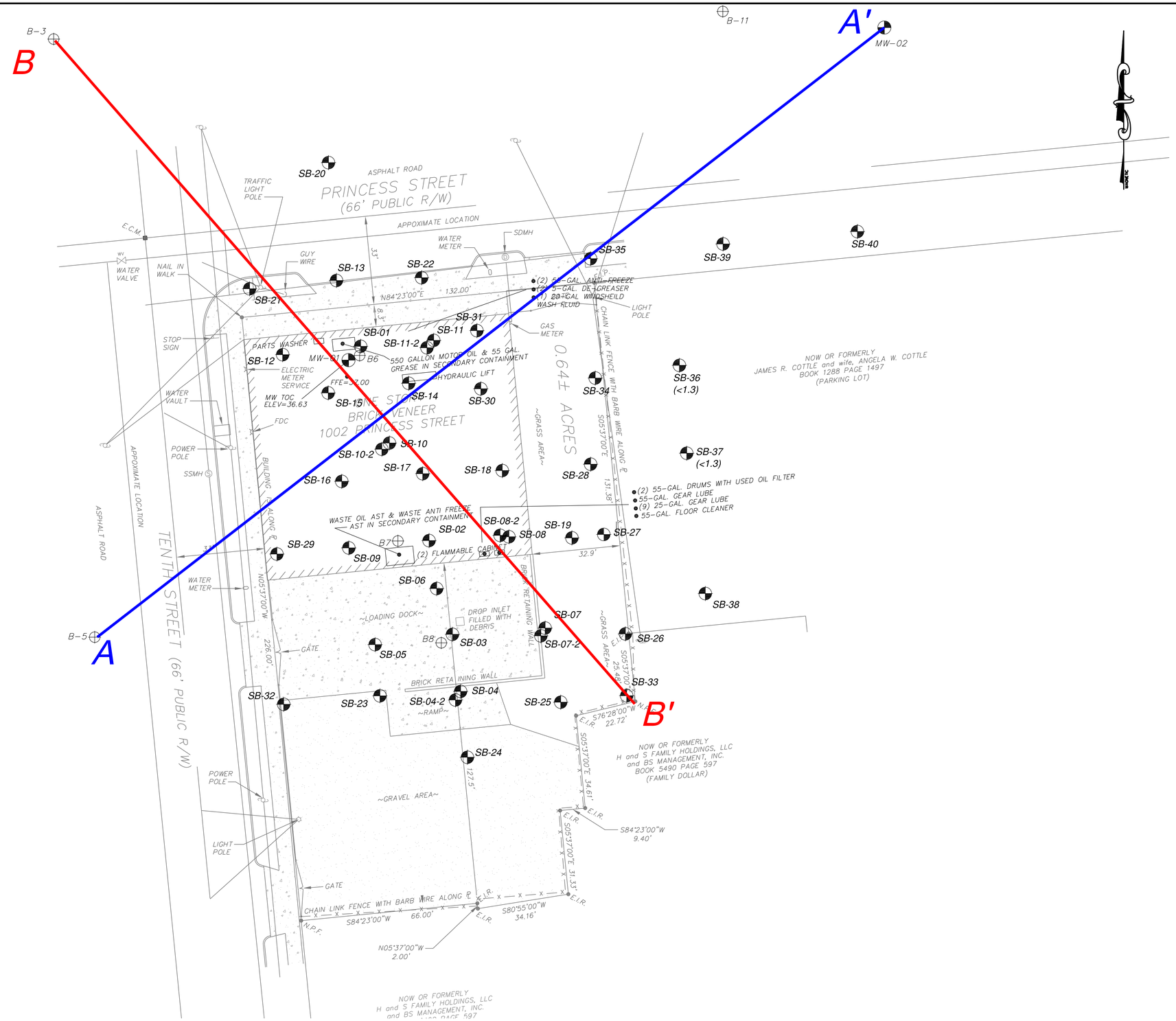
GRAPHIC SCALE: 1"=20'
20 0 20 40 60

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

| PROJECT | TITLE | FIGURE |
|---|---|---|
| COCA COLA, LLC.<br>REMEDIAL INVESTIGATION<br>1002 PRINCESS STREET<br>WILMINGTON, NC | GROUNDWATER ELEVATIONS AND CONTOURS | 3 |

| JOB NO. | DATE: | SCALE: | DRAWN BY: | CHECKED BY: |
|---|---|---|---|---|
| 208069 | MAR 2013 | AS SHOWN | THW | GRG |

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 3.DWG




LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| O | PROPERTY CORNER |
| I.P.S. | IRON PIPE SET |
| N.P.F. | NO POINT FOUND |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| ± | APPROXIMATE |
| R/W | RIGHT-OF-WAY |
| | HANDI-CAP PARKING |
| ℄ | CENTER LINE |
| P.L. | PROPERTY LINE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| SS | SANITARY SEWER |
| CO | CLEAN OUT |
| W | WATER LINE |
| NCNG | NORTH CAROLINA NATURAL GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |
| | WATER/DITCH |
| | FENCE LINE |
| | BUILDING LINE |
| | BOUNDARY LINE |
| | CONCRETE AREA |
| | GRAVEL AREA |
| | GROUNDWATER MONITORING WELL |
| | SOIL SAMPLE LOCATIONS |
| | FORMER SOIL SAMPLE LOCATIONS |

PRELIMINARY
NOT FOR REAL ESTATE
SALES OR CONVEYANCE

NOTE:
1. MAP ADAPTED FROM SURVEY DATED MAY 8, 2013 AND SURVEYED BY MICHAEL N. UNDERWOOD P.L.S.

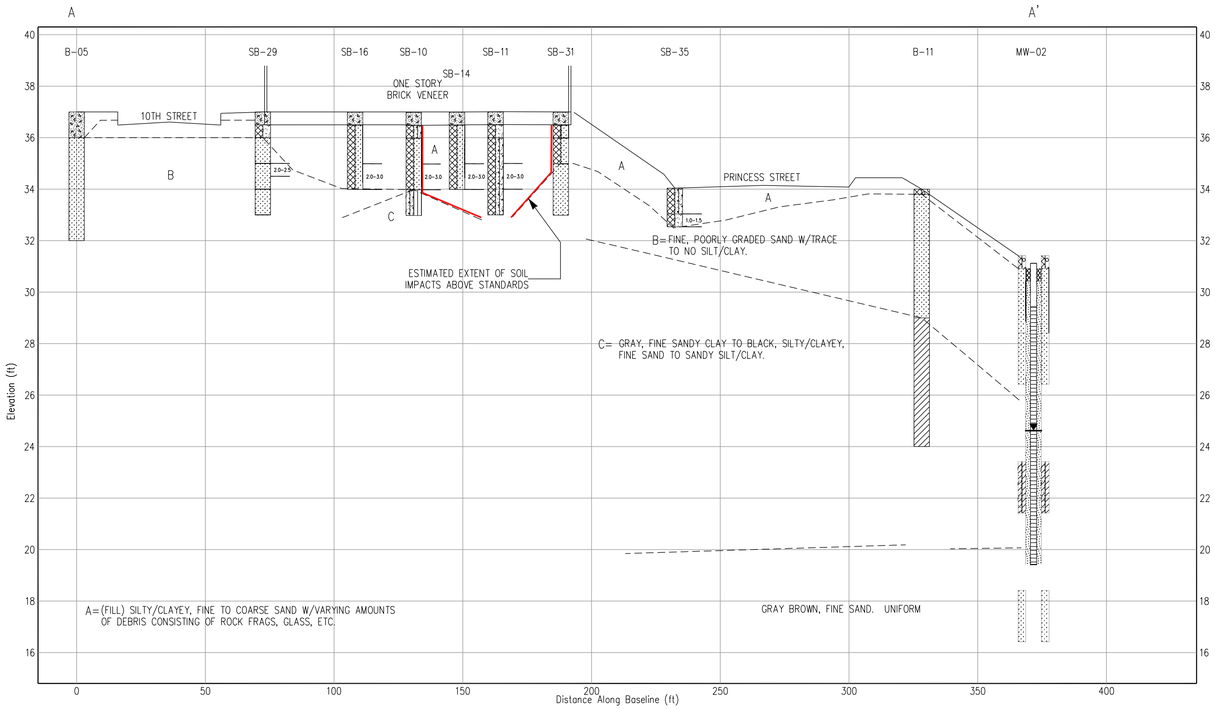
GRAPHIC SCALE: 1"=20'
20 0 20 40 60

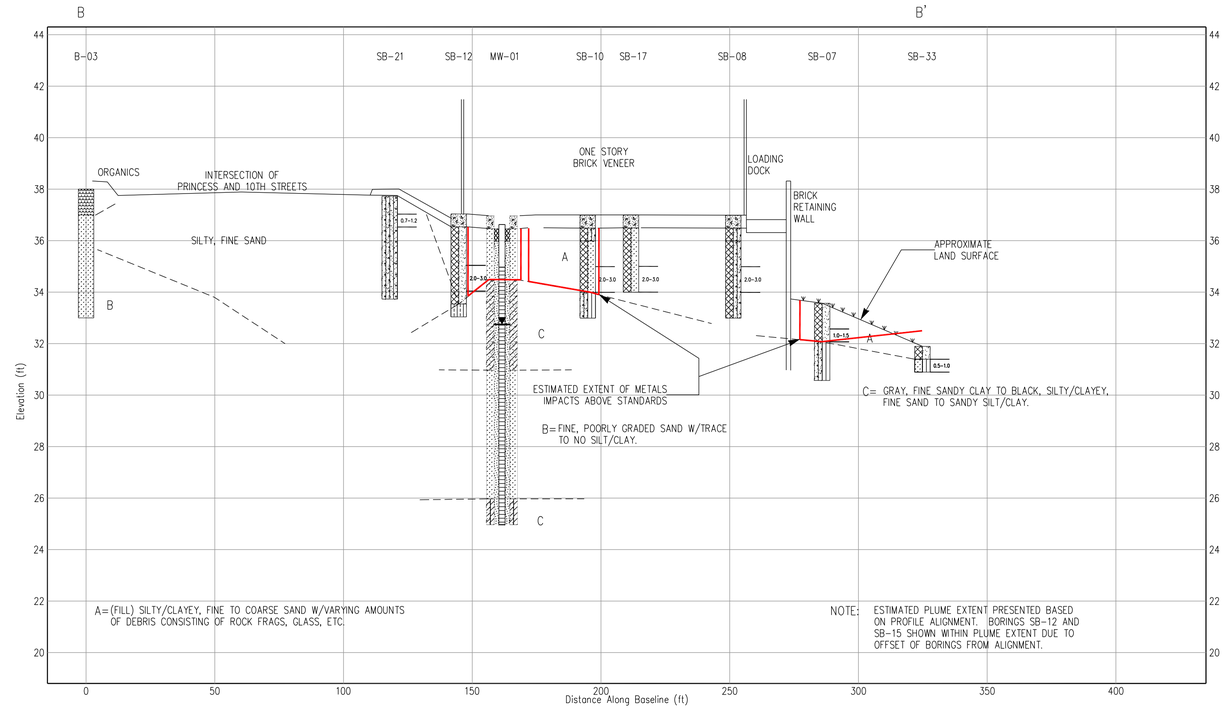
CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

| PROJECT | TITLE | FIGURE |
|---|---|---|
| COCA COLA, LLC.<br>REMEDIAL INVESTIGATION<br>1002 PRINCESS STREET<br>WILMINGTON, NC | CROSS SECTION<br>PLAN VIEW | 4 |

| JOB NO. | DATE: | SCALE: | DRAWN BY: | CHECKED BY: |
|---|---|---|---|---|
| 208069 | MAY 2013 | AS SHOWN | THW | GRG |

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 4.DWG




**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 6010C**

| Sample ID | Contaminant of Concern → Date Collected | Sample Depth (ft. BLS) | Antimony | Arsenic | Beryllium | Cadmium | Total Chromium | Chromium III | Chromium VI | Copper | Lead | Manganese | Nickel | Selenium | Silver | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | <0.519 | <0.379 | * | * | 1.88 | NA | NA | 4.79 | 62.7 | 9.66 | 0.471 J | <0.402 | NA | 103 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.515 | <0.376 | * | * | 1.72 | NA | NA | 4.83 | 20.9 | 11.0 | 0.435 J | <0.400 | NA | 25.5 |
| **SB04 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.605 | ****2.74** | * | * | 11.2 | NA | NA | 95.4 | **577** | **325** | 3.89 | 0.677 J | NA | 234 |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.508 | <0.371 | * | * | 2.23 | NA | NA | 5.35 | 121 | 11.5 | 0.403 J | <0.394 | NA | 306 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.462 | <0.337 | * | * | 0.409 J | NA | NA | 1.41 | 1.79 | 1.66 | <0.356 | <0.358 | NA | 11.0 |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | 0.768 J | 2.29 | * | * | 22.0 | NA | NA | 48.3 | **396** | 46.2 | 4.22 | <0.440 | NA | 405 |
| **SB-07-2 (1-1.5 ft)** | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 43.4 | 38.6 | **4.76** | NA | NA | NA | NA | NA | NA | NA |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.537 | 1.45 | * | * | 3.50 | NA | NA | 12.5 | 105 | 36.6 | 1.14 | <0.417 | NA | 74.6 |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.498 | <0.363 | | | 2.74 | NA | NA | 12.6 | 163 | **68.0** | 0.747 J | <0.386 | NA | 72.8 |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.509 | 0.488 J | * | * | 25.1 | NA | NA | 29.8 | **445** | **95.3** | 1.29 | <0.395 | NA | 145 |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.460 | <0.336 | * | * | 11.0 | NA | NA | 25.9 | 257 | **87.5** | 0.820 J | <0.357 | NA | 111 |
| SB-11-2 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 15.2 | 15.2 | <0.229 | NA | NA | NA | NA | NA | NA | NA |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.535 | <0.390 | * | * | 0.982 J | NA | NA | 5.53 | 29.2 | 28.5 | 0.582 J | 0.430 J | NA | 8.46 |
| SB-14 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 1.23 | 0.122 J | 2.17 | NA | NA | 12.9 | 51.4 | 25.7 | 0.798 J | * | <0.114 | 21.9 |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 0.890 J | 0.115 J | 2.94 | NA | NA | 14.4 | 166 | 20.4 | 1.42 | * | <0.108 | 48.7 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | <0.893 | <0.0740 | 1.28 | NA | NA | 1.01 J | 13.3 | 2.93 | <0.310 | * | <0.117 | 7.71 |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | * | * | <0.797 | 0.311 J | 5.82 | NA | NA | 27.5 | **292** | **70.9** | 1.81 | * | 0.232 J | 151 |
| SB-31 (2-3') | 1/3/2013 | (2.0 - 3.0) | NA | NA | NA | NA | NA | NA | NA | NA | 13.2 | 6.9 | NA | NA | NA | NA |
| **SB-33 (.5-1)** | 3/7/2013 | (0.5 - 1.0) | NA | NA | NA | NA | 9.3 | NA | **0.847** | NA | 238 | NA | NA | NA | NA | NA |
| **Protection of Groundwater Preliminary Soil RG** | | | 0.90 | 5.8 | 63 | 3 | NE | 360,000 | 3.8 | 700 | 270 | 65 | 130 | 2.1 | 3.4 | 1,200 |
| **Preliminary Residential Health Based Soil RG** | | | 6.2 | 0.39 | 32 | 14 | NE | 24,000 | 0.29 | 620 | 400 | 360 | 300 | 78 | 78 | 4,600 |
| **Preliminary Industrial Health Based Soil RG** | | | 82 | 1.6 | 400 | 160 | NE | 100,000 | 5.6 | 8,200 | 800 | 4,600 | 4,000 | 1,000 | 1,000 | 62,000 |
| **Established Site Specific Background Concentration** | | | 0.2248 | 2.40 | 0.1032 | 0.746 | 6.87 | 8.4 | 0.495 | 28.3 | 222 | 67.7 | 2.94 | 0.268 | 0.0832 | 124 |

All results and Preliminary Soil Remediation Goals (PSRG) in milligrams per kilogram (mg/kg).
RG = Remediation Goal
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG and Background Concentration.
Shaded results and Sample IDs exceed the Residential Health Based PSRG and Background Concentration.
** = Result exceeds the Industrial Health Based PSRG and Background Concentration
< = Less than method detection limit
* = See EPA Method 6020A
NA = Not Analyzed
NE = None
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit

**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 6020A**

| Sample ID | Contaminant of Concern → Date Collected | Sample Depth (ft. BLS) | Antimony | Arsenic | Beryllium | Cadmium | Lead | Manganese | Selenium | Thallium |
|---|---|---|---|---|---|---|---|---|---|---|
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | * | * | <0.0185 | 0.0933 J | * | * | * | <0.0254 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | * | * | <0.0183 | 0.330 | * | * | * | <0.0252 |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0181 | 0.0610 J | * | * | * | <0.0249 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0164 | 0.129 | * | * | * | <0.0226 |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | * | * | <0.0202 | 1.27 | * | * | * | <0.0278 |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0191 | 0.0752 J | * | * | * | <0.0263 |
| SB10 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0177 | 0.0697 J | * | * | * | <0.0244 |
| SB11 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0181 | 0.153 | * | * | * | <0.0249 |
| SB11D (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0164 | 0.110 | * | * | * | <0.0225 |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0190 | <0.0190 | * | * | * | <0.0262 |
| SB-14 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.234 | 0.508 | * | * | * | * | 0.117 | <0.0124 |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.236 | 0.856 | * | * | * | * | 0.120 | <0.0118 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.0314 J | 0.115 | * | * | * | * | 0.105 | <0.0128 |
| SB-17 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.238 | 1.33 | * | * | * | * | 0.154 | 0.0140 J |
| SB-31 (2-3') | 1/3/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 13.2 | 6.9 | NA | NA |
| **Protection of Groundwater Preliminary Soil Remediation Goal** | | | 0.90 | 5.8 | 63 | 3 | 270 | 65 | 2.1 | 0.28 |
| **Preliminary Residential Health Based Soil Remediation Goal** | | | 6.2 | 0.39 | 32 | 14 | 400 | 360 | 78 | 0.16 |
| **Preliminary Industrial Health Based Soil Remediation Goal** | | | 82 | 1.6 | 400 | 160 | 800 | 4,600 | 1,000 | 2.0 |
| **Established Site Specific Background Concentration** | | | 0.2278 | 2.40 | 0.1032 | 0.746 | 222 | 67.7 | 0.268 | 0.0272 |

All results and Preliminary Soil Remediation Goals (PSRG) in milligrams per kilogram (mg/kg).
ft. BLS = Feet Below Land Surface
< = Less than method detection limit
* = See EPA Method 6010C
NA = Not Analyzed
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit

**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 7471B**

| Sample ID | Contaminant of Concern → Date Collected | Sample Depth (ft. BLS) | Mercury |
|---|---|---|---|
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | 0.0942 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | 0.0270 |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.137 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.00227 J |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | 0.271 |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.385 |
| SB10 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.603 |
| SB11 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.786 |
| SB11D (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.644 |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.107 |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **2.54** |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.223 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.134 |
| SB-17 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.478 |
| **Protection of Groundwater Preliminary Soil Remediation Goal** | | | 1.0 |
| **Preliminary Residential Health Based Soil Remediation Goal** | | | 2.0 |
| **Preliminary Industrial Health Based Soil Remediation Goal** | | | 3.1 |
| **Established Site Specific Background Concentration** | | | 0.543 |

All results and Preliminary Soil Remediation Goals (PSRG) in milligrams per kilogram (mg/kg).
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the low est PSRG and Background Concentration.
Shaded results and Sample IDs exceed the Residential Health Based PSRG and Background Concer
< = Less than method detection limit
J = Amount detected is betw een the Method Detection Limit and the Low er Calibration Limit

SOILS LEGEND

(PT) Peat or Highly Organic Soils
(SP) Poorly -graded SAND
Concrete
(SC) Clayey SAND
(CL) Low/med. Plast. CLAY
(SC-CL) Clayey SAND to Sandy CLAY
(SW) Fill - Well -graded SAND
(SM-ML) Silty SAND to Sandy SILT
(SM) Fill - Silty SAND
(GW) Fill - Well -graded GRAVEL
(SP) Fill - Poorly -graded SAND
(OL) Low Plast. Org. SILT or CLAY
(SM) Silty SAND
(SP/ML) SAND and Inorg. SILT

WELL BACKFILL

Bentonite Pellets
#2 Medium Sand

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

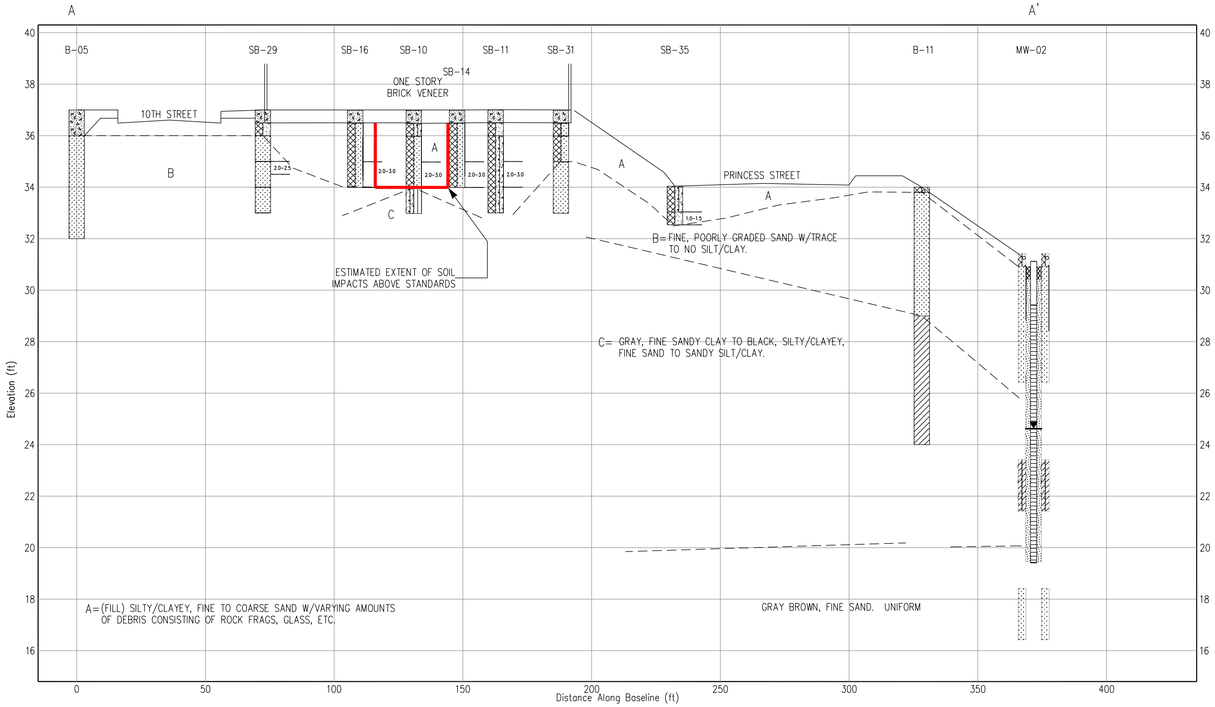
PROJECT: COCA COLA, LLC. REMEDIAL INVESTIGATION 1002 PRINCESS STREET WILMINGTON, NC

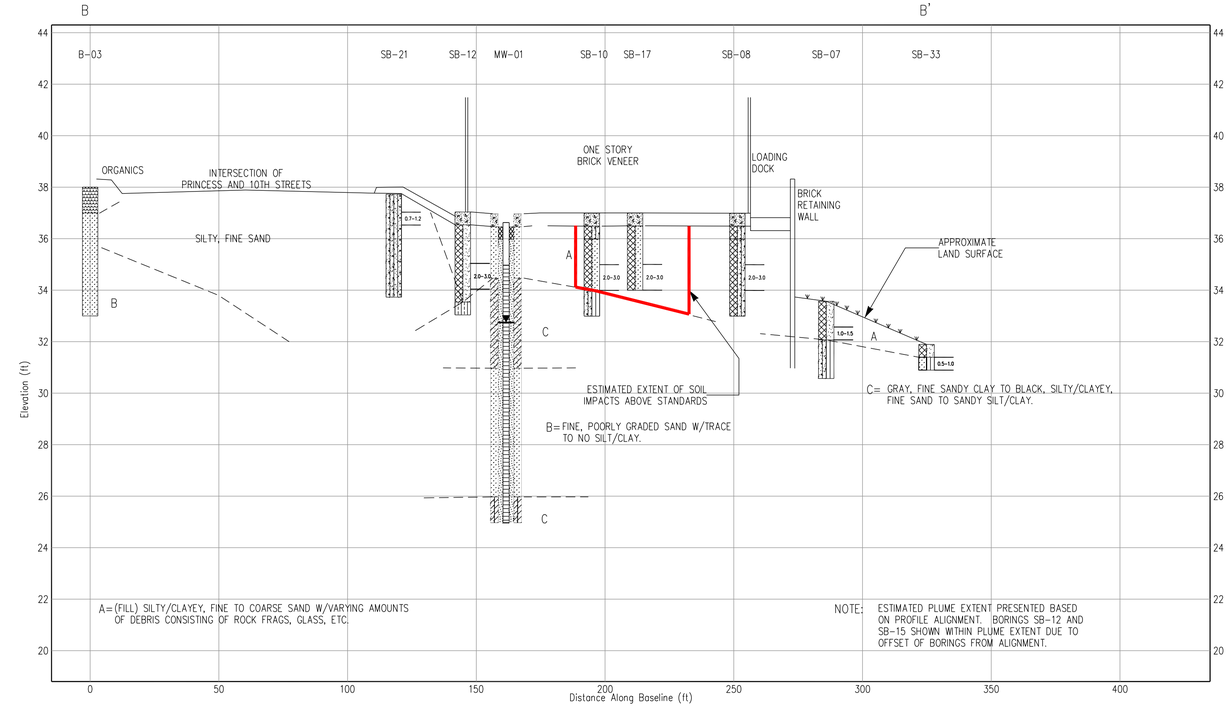
TITLE: *CROSS SECTION WITH SUMMARY OF SOIL LABORATORY RESULTS- METALS*

FIGURE 5

JOB NO. 208069 | DATE: APR 2013 | SCALE: HORZ:1"=30' VERT:1"=3' | DRAWN BY: THW | CHECKED BY: GRG

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 5.DWG




**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8260B**

| Sample ID | Contaminant of Concern → Date Collected | Sample Depth (ft. BLS) | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | 2-Butanone (Methyl Ethyl Ketone) | 4-Isopropyltoluene (p-Isopropyltoluene) | Acetone | Benzene | Ethyl Benzene | Methyl iodide | Methylene chloride | Naphthalene | Tetrachloroethene (Tetrachloroethylene, Perc, PCE) | Trichlorofluoro-methane | Toluene | Total Xylenes | All other Method 8260B Parameters |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | <0.830 | <1.14 | <1.66 | <1.11 | 8.31 J | <0.952 | <0.882 | <0.902 | 1.13 J | <1.29 | 1.47 J | <0.804 | <0.864 | <2.97 | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.794 | <1.09 | <1.59 | <1.06 | 6.02 J | <0.911 | <0.844 | <0.863 | 2.33 J | <1.23 | 2.28 J | <0.769 | <0.827 | <2.84 | BMDL |
| **SB05 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.697 | <0.958 | <1.40 | <0.931 | 5.34 J | <0.800 | <0.741 | <0.758 | 2.59 J | <1.08 | **29.5** | <0.675 | <0.725 | <2.494 | BMDL |
| **SB06 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.795 | <1.09 | <1.59 | <1.06 | <1.27 | <0.913 | <0.845 | <0.865 | 9.77 J | <1.24 | **51.1** | <0.771 | <0.828 | <2.84 | BMDL |
| **SB07 (1.0-1.5)** | 8/12/2011 | (1.0 - 1.5) | <0.813 | <1.12 | 13.9 J | <1.09 | 89.3 | 3.03 J | 1.35 J | 1.22 J | 4.96 J | 1.58 J | **5.08 J** | <0.788 | 3.21 J | 9.92 J | BMDL |
| **SB08 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.744 | <1.02 | 2.85 J | <0.994 | 22.5 J | 0.927 J | <0.791 | <0.809 | 2.88 J | <1.16 | **7.32** | <0.721 | 0.946 J | <2.656 | BMDL |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <6.17 | 6.52 J | 82.7 J | <3.86 | <43.3 | <5.67 | <4.40 | <5.77 | 10.0 J | 11.0 J | **632** | <6.87 | <6.67 | <13.51 | BMDL |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.776 | <1.07 | 2.85 J | <1.04 | 71.6 | 1.62 J | <0.825 | <0.844 | 4.72 J | <1.21 | **8.90** | <0.752 | 1.68 J | <2.78 | BMDL |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.748 | <1.03 | 2.15 J | <1.00 | 48.6 | 1.19 J | <0.795 | <0.814 | 5.57 J | <1.16 | **8.46** | <0.725 | 1.34 J | <2.671 | BMDL |
| **SB12 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.832 | <1.14 | <1.67 | <1.11 | 27.0 J | <0.955 | <0.884 | <0.904 | 4.00 J | <1.29 | **9.08** | <0.806 | <0.866 | <2.97 | BMDL |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.798 | <1.10 | <1.60 | <1.07 | <1.27 | <0.916 | <0.848 | <0.867 | 1.36 J | <1.24 | **10.5** | 2.61 J | <0.830 | <1.81 | BMDL |
| **SB-15 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.892 | <1.23 | <1.79 | <1.19 | <1.42 | <1.02 | <0.948 | <0.970 | <0.800 | <1.39 | **5.52 J** | 0.894 J | <0.929 | <2.03 | BMDL |
| **SB-16 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.779 | <1.07 | <1.56 | <1.04 | 4.06 J | <0.894 | <0.828 | <0.847 | 3.84 J | <1.21 | **5.08** | 2.56 J | <0.811 | <1.77 | BMDL |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <6.51 | <5.09 | <38.3 | <4.07 | <45.7 | <5.98 | <4.64 | <6.09 | <8.04 | <4.52 | **944** | <7.25 | <7.04 | <9.63 | BMDL |
| SB-21 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | <1.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Protection of Groundwater Preliminary Soil RG** | | | 1,200 | 6,700 | 16,000 | 680 | 24,000 | 7.3 | 8,100 | NE | 23 | 210 | 5.0 | 24,000 | 5,500 | 5,800 | Varies |
| **Preliminary Residential Health Based Soil RG** | | | 640,000 | 12,000 | 5,600,000 | NE | 12,000,000 | 1,100 | 5,400 | NE | 56,000 | 3,600 | 17,000 | 160,000 | 820,000 | 130,000 | Varies |
| **Preliminary Industrial Health Based Soil RG** | | | 640,000 | 52,000 | 28,000,000 | NE | 100,000,000 | 5,400 | 27,000 | NE | 620,000 | 18,000 | 82,000 | 680,000 | 820,000 | 260,000 | Varies |

SOILS LEGEND

(PT) Peat or Highly Organic Soils
(SC-CL) Clayey SAND to Sandy CLAY
(SP) Fill - Poorly-graded SAND
(SP) Poorly-graded SAND
(SW) Fill - Well-graded SAND
(OL) Low Plast. Org. SILT or CLAY
Concrete
(SM-ML) Silty SAND to Sandy SILT
(SM) Silty SAND
(SC) Clayey SAND
(SM) Fill - Silty SAND
(SP/ML) SAND and Inorg. SILT
(CL) Low/med. Plast. CLAY
(GW) Fill - Well-graded GRAVEL

WELL BACKFILL

Bentonite Pellets
#2 Medium Sand

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

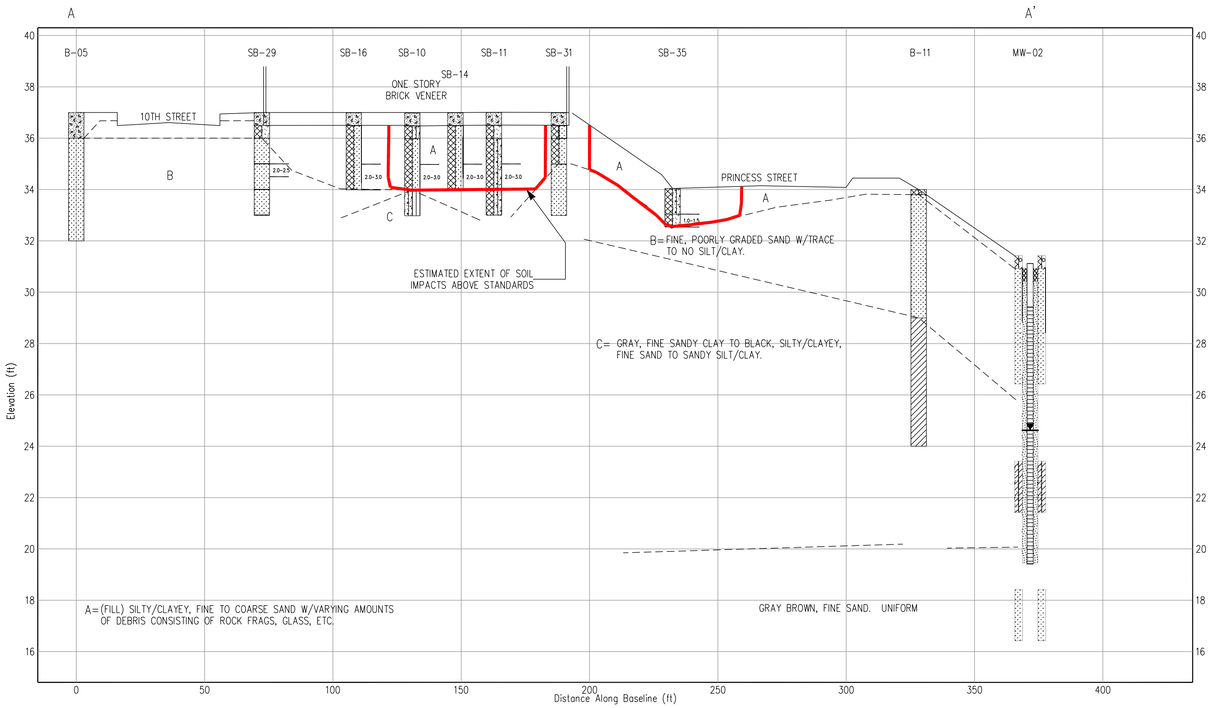
PROJECT: COCA COLA, LLC.
REMEDIAL INVESTIGATION
1002 PRINCESS STREET
WILMINGTON, NC

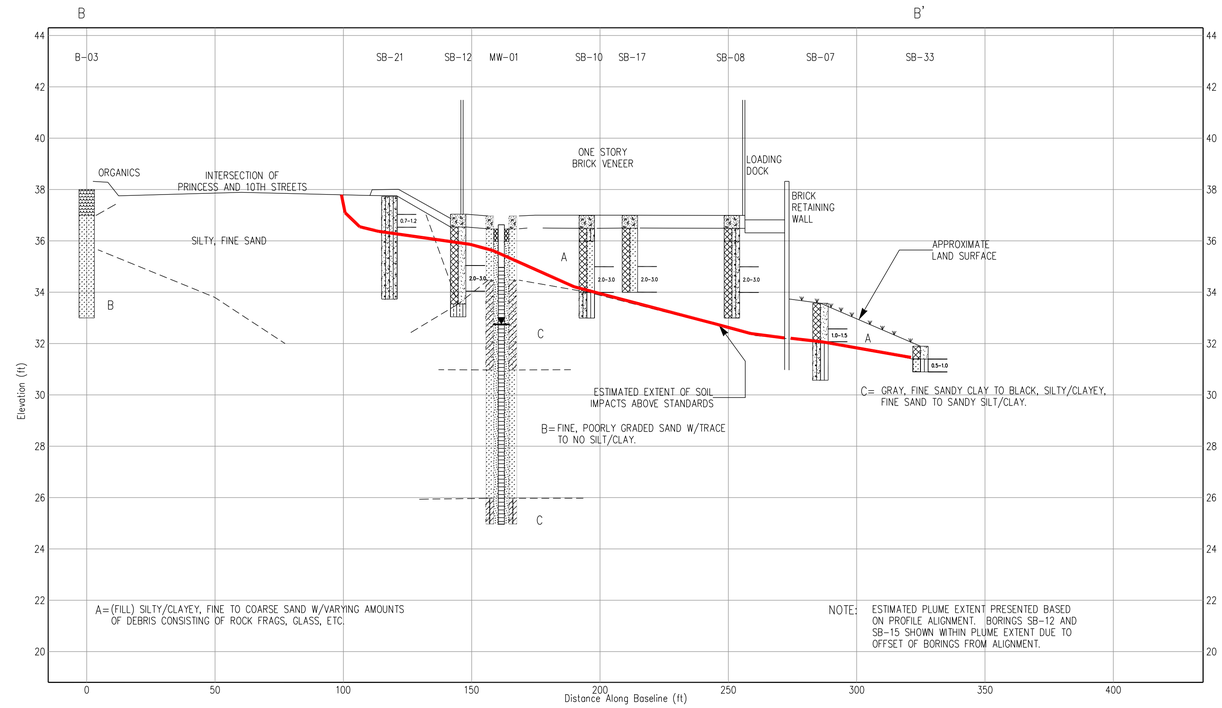
TITLE: *CROSS SECTION WITH SUMMARY OF SOIL LABORATORY RESULTS- EPA METHOD 8260B*

FIGURE 6

JOB NO. 208069 | DATE: APR 2013 | SCALE: AS SHOWN | DRAWN BY: THW | CHECKED BY: GRG

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 6.DWG




**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8270D**

| Sample ID | Contaminant of Concern → Date Collected | SampleDepth (ft. BLS) | 1-Methylnaphthalene | 2-Methylnaphthalene | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Di-n-butyl phthalate (Dibutyl Phthalate) | Dibenz(a,h)anthracene | Dibenzofuran | Fluoranthene | Fluorene | Indeno(1,2,3-cd)pyrene | Naphthalene | Phenanthrene | Pyrene | All other Method 8270D Parameters |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | NA | <28.7 | <16.1 | <15.0 | <15.8 | <19.5 | <20.1 | <20.4 | <56.6 | <42.6 | <41.3 | <16.8 | <16.0 | <27.8 | <33.4 | <18.9 | <27.7 | <30.7 | <23.4 | <15.0 | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | NA | <27.0 | <15.1 | <14.1 | <14.8 | <18.3 | <18.9 | <19.2 | <53.0 | <39.9 | <38.8 | <15.8 | <15.0 | <26.1 | <31.3 | <17.7 | <26.0 | <28.8 | <21.9 | <14.1 | BMDL |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <26.1 | <14.6 | <13.6 | <14.3 | <17.7 | <18.2 | <18.6 | <51.3 | <38.6 | <37.5 | <15.3 | <14.5 | <25.3 | <30.3 | <17.1 | <25.1 | <27.8 | <21.2 | <13.6 | BMDL |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <26.9 | <15.1 | <14.0 | <14.8 | <18.3 | <18.8 | <19.1 | <52.9 | <39.8 | <38.6 | <15.7 | <15.0 | <26.0 | <31.2 | <17.6 | <25.9 | <28.7 | <21.9 | <14.0 | BMDL |
| **SB07 (1.0-1.5)** | 8/12/2011 | (1.0 - 1.5) | NA | 59.9 J | <16.0 | <14.9 | <15.7 | 31.7 J | **31.7 J** | <20.3 | <56.2 | <42.3 | 42.3 J | 35.2 J | <15.9 | <27.7 | 49.3 J | <18.7 | <27.5 | 52.8 J | 35.2 J | 63.4 J | BMDL |
| **SB08 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | 29.7 J | 29.7 J | 162 J | 126 J | **968** | ****839** | **1,250** | 373 | 429 | 1,040 | <15.7 | **116 J** | <25.9 | 1,590 | 39.6 J | **367** | 33.0 J | 697 | 1,800 | BMDL |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <27.1 | <15.2 | <14.1 | <14.9 | 43.4 J | **70.2 J** | 104 J | <53.3 | 46.8 J | 76.8 J | <15.8 | <15.1 | <26.2 | 144 J | <17.8 | 40.1 J | <28.9 | 93.6 J | 140 J | BMDL |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <27.7 | <15.5 | <14.4 | <15.2 | 44.4 J | **54.7 J** | 82.0 J | <54.5 | <41.0 | 54.7 J | <16.2 | <15.4 | <26.8 | 92.2 J | <18.2 | 27.3 J | <29.6 | 44.4 J | 85.4 J | BMDL |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <27.2 | <15.3 | <14.2 | <14.9 | 43.6 J | **53.7 J** | 80.5 J | <53.5 | <40.3 | 50.3 J | <15.9 | <15.2 | <26.3 | 83.9 J | <17.8 | <26.2 | <29.0 | 33.5 J | 87.2 J | BMDL |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | NA | <29.9 | <16.8 | <15.6 | <16.4 | <20.3 | <20.9 | <21.3 | <58.8 | <44.3 | <43.0 | <17.5 | <16.7 | <28.9 | <34.7 | <19.6 | <28.8 | <31.9 | <24.3 | <15.6 | BMDL |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <13.3 | <27.6 | <15.5 | <14.4 | <15.2 | <18.8 | **34.1 J** | 64.8 J | <54.4 | <41.0 | 71.6 J | NA | <15.4 | NA | 140 | <18.1 | 30.7 J | <29.5 | 88.7 J | 119 J | NA |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | <13.9 | <28.9 | <16.2 | <15.1 | <15.9 | <19.7 | <20.2 | <20.6 | <56.9 | <42.9 | <41.6 | NA | <16.1 | NA | 60.6 J | <19.0 | <27.9 | <30.9 | 60.6 J | 49.9 J | NA |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | <13.2 | <27.3 | <15.3 | <14.2 | <15.0 | <18.5 | <19.1 | <19.4 | <53.7 | <40.4 | <39.2 | NA | <15.2 | NA | 47.1 J | <17.9 | <26.3 | <29.1 | 33.7 J | 40.4 J | NA |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <13.4 | <27.8 | <15.6 | 103 J | 75.6 J | **1,120** | ****1,420** | **1,690** | 1,210 | 622 | 1,490 | NA | ****251 J** | NA | 2,610 | <18.3 | **1,000** | 55.0 J | 1,030 | 2,490 | NA |
| **SB-21** | 2/14/2013 | (0.7 - 1.2) | <14.9 | <13.7 | 35.3 J | <16.2 | 100 J | **517** | ****495** | **498** | 234 | 350 | 436 | NA | **108 J** | NA | 1,050 | 27.7 J | **239** | <28.6 | 407 | 935 | NA |
| SB-29 | 2/14/2013 | (2.0 - 2.5) | <1.5 | <1.3 | <1.8 | <1.6 | <1.7 | <0.87 | <1.3 | <0.82 | <3.2 | <1.8 | <2.2 | NA | <2.2 | NA | <1.0 | <2.0 | <3.4 | <2.8 | <1.8 | <2.2 | NA |
| SB-31 | 2/14/2013 | (2.0 - 2.5) | <1.5 | <1.4 | <1.9 | <1.7 | <1.8 | 1.1 J | <1.4 | <0.86 | <3.3 | <1.9 | <2.3 | NA | <2.3 | NA | <1.1 | <2.1 | <3.6 | <2.9 | <1.9 | <2.3 | NA |
| **SB-33 (0.5-1)** | 3/7/2013 | (0.5 - 1.0) | 15.5 J | 29.2 J | <17.4 | 43.6 J | 68.7 J | **173** | <12.7 | <7.8 | 61.0 J | 77.3 J | 164 | NA | <20.9 | NA | 276 | 20.7 J | <32.4 | 31.3 J | 251 | 265 | NA |
| **SB-35 (1-1.5)** | 3/7/2013 | (1.0 - 1.5) | <14.1 | <13.0 | <17.7 | <15.3 | 58.0 J | **393** | ****360** | **273** | 177 | 187 | 419 | NA | <21.2 | NA | 709 | <18.9 | **161** | <27.1 | 283 | 633 | NA |
| **Protection of Groundwater Preliminary Soil RG** | | | 55 | 1,600 | 8,400 | 21,000 | 660,000 | 180 | 59 | 600 | 7,800,000 | 5,900 | 18,000 | 19,000 | 190 | 5,200 | 330,000 | 56,000 | 2,000 | 210 | 68,000 | 220,000 | Varies |
| **Preliminary Residential Health Based Soil RG** | | | 16,000 | 46,000 | 680,000 | NE | 3,400,000 | 150 | 15 | 150 | NE | 1,500 | 15,000 | 1,200,000 | 15 | 16,000 | 460,000 | 460,000 | 150 | 3,600 | NE | 340,000 | Varies |
| **Preliminary Industrial Health Based Soil RG** | | | 53,000 | 370,000 | 6,600,000 | NE | 34,000,000 | 2,100 | 210 | 2,100 | NE | 21,000 | 210,000 | 12,000,000 | 210 | 170,000 | 4,400,000 | 4,400,000 | 2,100 | 18,000 | NE | 3,400,000 | Varies |

All results and Preliminary Soil Remediation Goals (PSRG) in micrograms per kilogram (ug/kg).
RG = Remediation Goal
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG.
Shaded results and Sample IDs exceed the Residential Health Based PSRG.
** = Result exceeds the Industrial Health Based PSRG
< = Less than method detection limit
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit
BMDL = Below Method Detection Limit. Refer to analytical report for a complete list of parameters and detection limits.
NA = Not Analyzed

SOILS LEGEND

- (PT) Peat or Highly Organic Soils
- (SC-CL) Clayey SAND to Sandy CLAY
- (SP) Fill – Poorly-graded SAND
- (SP) Poorly-graded SAND
- (SW) Fill – Well-graded SAND
- (OL) Low Plast. Org. SILT or CLAY
- Concrete
- (SM-ML) Silty SAND to Sandy SILT
- (SM) Silty SAND
- (SC) Clayey SAND
- (SM) Fill – Silty SAND
- (SP/ML) SAND and Inorg. SILT
- (CL) Low/med. Plast. CLAY
- (GW) Fill – Well-graded GRAVEL

WELL BACKFILL

- Bentonite Pellets
- #2 Medium Sand

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PROJECT: COCA COLA, LLC. REMEDIAL INVESTIGATION 1002 PRINCESS STREET WILMINGTON, NC

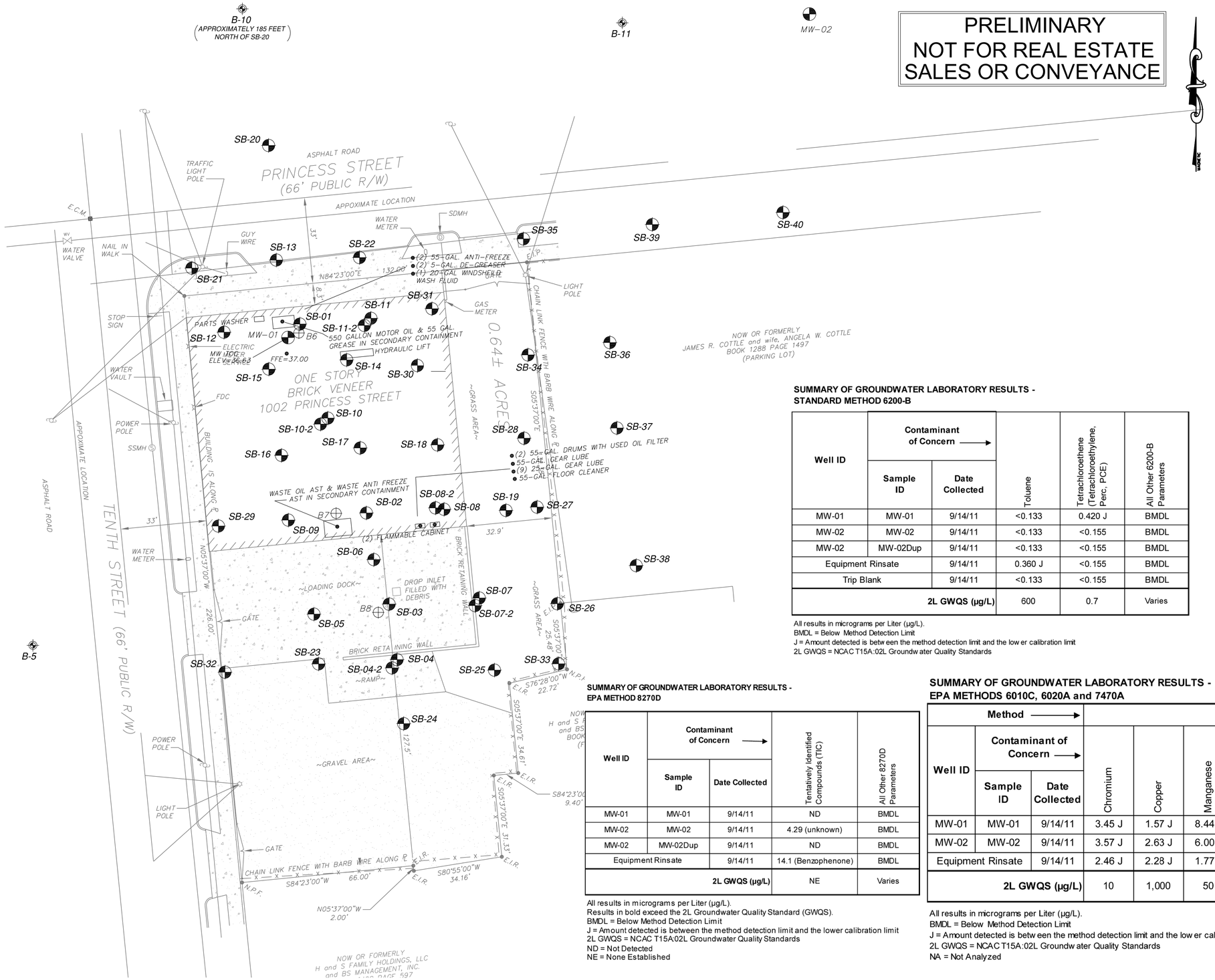
TITLE: *CROSS SECTION WITH SUMMARY OF SOIL LABORATORY RESULTS- EPA METHOD 8270D*

FIGURE: 7

JOB NO. 208069 | DATE: APR 2013 | SCALE: AS SHOWN | DRAWN BY: THW | CHECKED BY: GRG

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 7.DWG

# PRELIMINARY
# NOT FOR REAL ESTATE SALES OR CONVEYANCE




LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| O | PROPERTY CORNER |
| I.P.S. | IRON PIPE SET |
| N.P.F. | NO POINT FOUND |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| ± | APPROXIMATE |
| R/W | RIGHT-OF-WAY |
| | HANDI-CAP PARKING |
| ℄ | CENTER LINE |
| P | PROPERTY LINE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| SS | SANITARY SEWER |
| CO | CLEAN OUT |
| W | WATER LINE |
| NCNG | NORTH CAROLINA NATURAL GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |
| | WATER/DITCH |
| | FENCE LINE |
| | BUILDING LINE |
| | BOUNDARY LINE |
| | CONCRETE AREA |
| | GRAVEL AREA |
| | GROUNDWATER MONITORING WELL |
| | SOIL SAMPLE LOCATIONS |
| | FORMER SOIL SAMPLE LOCATIONS |
| | FORMER S&ME SOIL SAMPLE LOCATIONS FROM 8/20/2008 THAT WERE BELOW METHOD DETECTION LIMITS |

**SUMMARY OF GROUNDWATER LABORATORY RESULTS - STANDARD METHOD 6200-B**

| Well ID | Contaminant of Concern → Sample ID | Date Collected | Toluene | Tetrachloroethene (Tetrachloroethylene, Perc, PCE) | All Other 6200-B Parameters |
|---|---|---|---|---|---|
| MW-01 | MW-01 | 9/14/11 | <0.133 | 0.420 J | BMDL |
| MW-02 | MW-02 | 9/14/11 | <0.133 | <0.155 | BMDL |
| MW-02 | MW-02Dup | 9/14/11 | <0.133 | <0.155 | BMDL |
| Equipment Rinsate | | 9/14/11 | 0.360 J | <0.155 | BMDL |
| Trip Blank | | 9/14/11 | <0.133 | <0.155 | BMDL |
| **2L GWQS (µg/L)** | | | 600 | 0.7 | Varies |

All results in micrograms per Liter (µg/L).
BMDL = Below Method Detection Limit
J = Amount detected is between the method detection limit and the lower calibration limit
2L GWQS = NCAC T15A:02L Groundwater Quality Standards

**SUMMARY OF GROUNDWATER LABORATORY RESULTS - EPA METHOD 8270D**

| Well ID | Contaminant of Concern → Sample ID | Date Collected | Tentatively Identified Compounds (TIC) | All Other 8270D Parameters |
|---|---|---|---|---|
| MW-01 | MW-01 | 9/14/11 | ND | BMDL |
| MW-02 | MW-02 | 9/14/11 | 4.29 (unknown) | BMDL |
| MW-02 | MW-02Dup | 9/14/11 | ND | BMDL |
| Equipment Rinsate | | 9/14/11 | 14.1 (Benzophenone) | BMDL |
| **2L GWQS (µg/L)** | | | NE | Varies |

All results in micrograms per Liter (µg/L).
Results in bold exceed the 2L Groundwater Quality Standard (GWQS).
BMDL = Below Method Detection Limit
J = Amount detected is between the method detection limit and the lower calibration limit
2L GWQS = NCAC T15A:02L Groundwater Quality Standards
ND = Not Detected
NE = None Established

**SUMMARY OF GROUNDWATER LABORATORY RESULTS - EPA METHODS 6010C, 6020A and 7470A**

| Method → | | | 6010C | | | | | | | 6020A | 7470A |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Well ID | Contaminant of Concern → Sample ID | Date Collected | Chromium | Copper | Manganese | Selenium | Silver | Zinc | All Other 6010C Compounds | All 6020A Parameters | Mercury |
| MW-01 | MW-01 | 9/14/11 | 3.45 J | 1.57 J | 8.44 J | <2.68 | 3.99 J | <2.26 | BMDL | BMDL | 0.0214 J |
| MW-02 | MW-02 | 9/14/11 | 3.57 J | 2.63 J | 6.00 J | 3.02 J | 4.73 J | 9.60 J | BMDL | BMDL | <0.0190 |
| Equipment Rinsate | | 9/14/11 | 2.46 J | 2.28 J | 1.77 J | <2.68 | 4.53 J | <2.26 | BMDL | BMDL | 0.0489 J |
| **2L GWQS (µg/L)** | | | 10 | 1,000 | 50 | 20 | 20 | 1,000 | Varies | Varies | 1 |

All results in micrograms per Liter (µg/L).
BMDL = Below Method Detection Limit
J = Amount detected is between the method detection limit and the lower calibration limit
2L GWQS = NCAC T15A:02L Groundwater Quality Standards
NA = Not Analyzed

NOTES:
1. MAP ADAPTED FROM SURVEY DATED MAY 8, 2013 AND SURVEYED BY MICHAEL N. UNDERWOOD P.L.S.

GRAPHIC SCALE: 1"=20'
20 0 20 40 60

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Wilmington, NC 28405
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PROJECT: COCA COLA, LLC. REMEDIAL INVESTIGATION 1002 PRINCESS STREET WILMINGTON, NC

TITLE: SUMMARY OF GROUNDWATER LABORATORY RESULTS

FIGURE 8

JOB NO. 208069 | DATE: MAY 2013 | SCALE: AS SHOWN | DRAWN BY: THW | CHECKED BY: GRG

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 8.DWG

LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| O | PROPERTY CORNER |
| I.P.S. | IRON PIPE SET |
| N.P.F. | NO POINT FOUND |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| ± | APPROXIMATE |
| R/W | RIGHT-OF-WAY |
| | HANDI-CAP PARKING |
| ℄ | CENTER LINE |
| ⅊ | PROPERTY LINE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| SS | SANITARY SEWER |
| CO | CLEAN OUT |
| W | WATER LINE |
| NCNG | NORTH CAROLINA NATURAL GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |
| | WATER/DITCH |
| | FENCE LINE |
| | BUILDING LINE |
| | BOUNDARY LINE |
| | CONCRETE AREA |
| | GRAVEL AREA |
| | GROUNDWATER MONITORING WELL |
| | SOIL SAMPLE LOCATIONS |
| | FORMER SOIL SAMPLE LOCATIONS |
| | FORMER S&ME SOIL SAMPLE LOCATIONS FROM 8/20/2008 THAT WERE BELOW METHOD DETECTION LIMITS |

**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8260B-SPLP (PCE ONLY) AND EPA METHOD 8270D-SPLP (PAHs ONLY)**

| Sample ID | Method → | | 8260B-SPLP | 8270D-SPLP |
|---|---|---|---|---|
| | Contaminant of Concern → | | Tetrachloroethene (Tetrachloroethylene, Perc, PCE) | All 8270D-SPLP PAH Parameters |
| | Date Collected | Sample Depth (ft. BLS) | | |
| SB01 (1.0-2.0) | 8/12/2011 | (1.0 - 2.0) | 0.230 J | BMDL |
| SB01 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.170 J | BMDL |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | 0.330 J | BMDL |
| SB02 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.540 J | BMDL |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | 0.160 J | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.155 | BMDL |
| SB-08-2 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | NA | BMDL |
| SB-10-2 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | **2.61** | NA |
| | | **2L GWQS** | 0.7 | Varies |

All results and NCAC T15A:02L Groundwater Quality Standards (2L GWQS) in micrograms per Liter (ug/L).
ft. BLS = Feet Below Land Surface
SPLP = Synthetic Precipitation Leaching Procedure
PAH = Polycyclic Aromatic Hydrocarbons
< = Less than method detection limit
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit
BMDL = Below Method Detection Limit. Refer to analytical report for a complete list of parameters and detection limit
NA = Not Analyzed
Results in **Bold** exceed the 2L GWQS

**SUMMARY OF SOIL LABORATORY RESULTS - EPA 6010C-SPLP AND 7470A-SPLP**

| Sample ID | Method → | | EPA 6010C-SPLP | | | | | | | | | | | | | EPA 7470A SPLP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Contaminant of Concern → | | Antimony | Arsenic | Beryllium | Cadmium | Chromium | Copper | Iron | Lead | Manganese | Nickel | Selenium | Thallium | Zinc | Mercury |
| | Date Collected | Sample Depth (ft. BLS) | | | | | | | | | | | | | | |
| SB07 (1.0-1.5) | 8/12/2011 | 1.0 - 1.5 | <0.00319 | <0.00369 | <0.00858 | **0.00326 J** | **0.0261** | 0.048 | **5.64** | **0.373** | 0.0172 | <0.00306 | <0.00268 | <0.00857 | 0.326 | 0.0000652 J |
| SB11 (2.0-3.0) | 8/12/2011 | 2.0 - 3.0 | <0.00319 | <0.00369 | <0.00858 | 0.00183 J | **0.0177** | 0.0597 | **2.43** | **0.296** | 0.177 | <0.00306 | <0.00268 | <0.00857 | 0.182 | 0.000278 |
| | | **2L GWQS (mg/L)** | 0.001 | 0.01 | 0.004 | 0.002 | 0.01 | 1 | 0.3 | 0.015 | 0.05 | 0.1 | 0.02 | 0.0002 | 1 | 0.001 |

All results in milligrams per liter (mg/L).
ft. BLS = Feet Below Land Surface
< = Less than method detection limit
Result in bold exceed the NCAC 2L Groundwater Quality Standard (2L GWQS).

PRELIMINARY
NOT FOR REAL ESTATE
SALES OR CONVEYANCE

NOTE:
1. MAP ADAPTED FROM SURVEY DATED MAY 8, 2013 AND SURVEYED BY MICHAEL N. UNDERWOOD P.L.S.
2. ESTIMATED EXTENT(S) OF IMPACTED SOILS ABOVE THE CORRESPONDING RESIDENTIAL HEALTH BASED PSRG

GRAPHIC SCALE: 1"=20'
20 0 20 40 60

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PROJECT: COCA COLA, LLC.
REMEDIAL INVESTIGATION
1002 PRINCESS STREET
WILMINGTON, NC

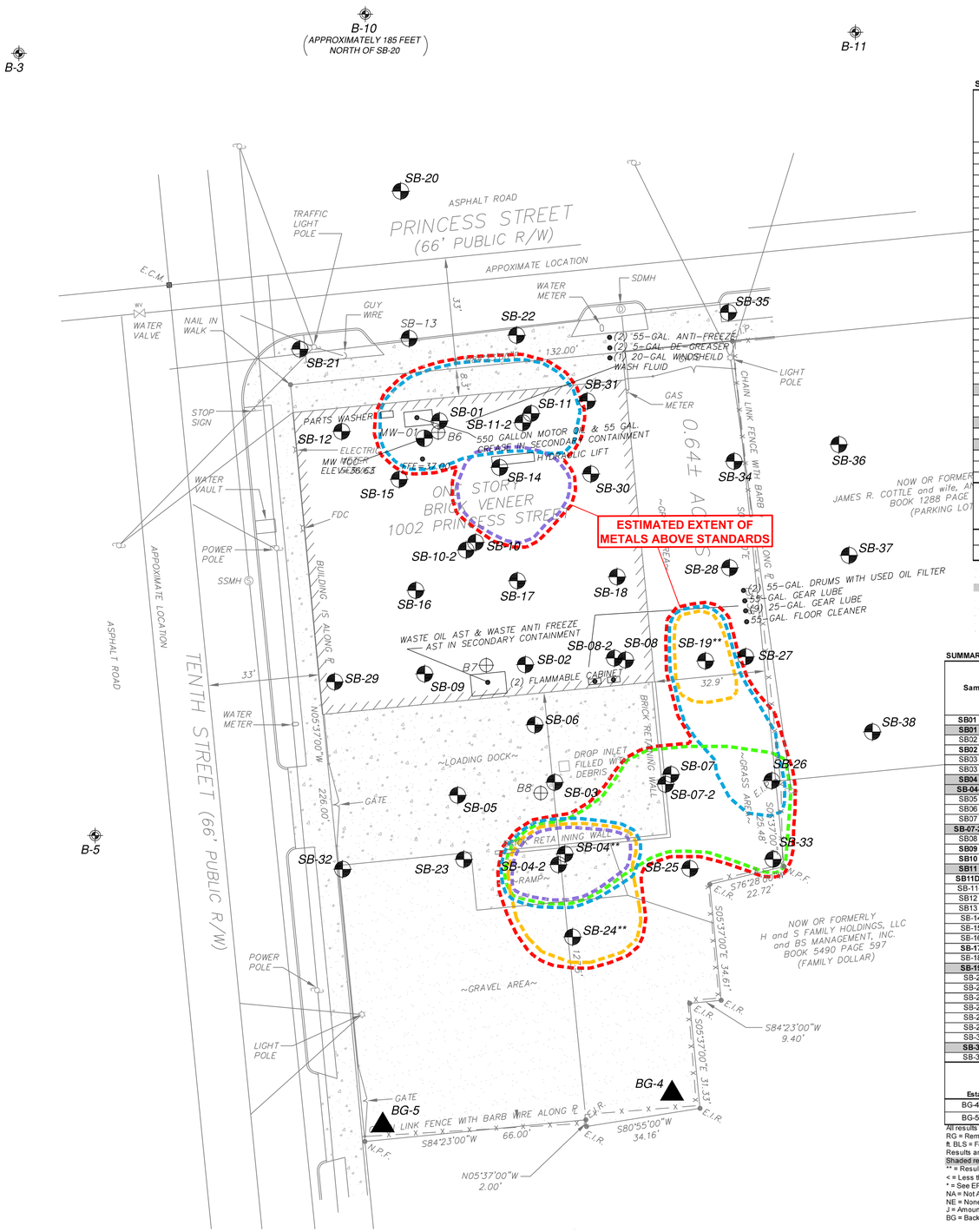
TITLE: SUMMARY OF SOIL LABORATORY RESULTS - SPLP-PCE, PAHs AND METALS

FIGURE 9

JOB NO. 208069 | DATE: MAY 2013 | SCALE: AS SHOWN | DRAWN BY: THW | CHECKED BY: GRG

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 9.DWG

# PRELIMINARY
# NOT FOR REAL ESTATE SALES OR CONVEYANCE




**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 6020A**

| Sample ID | Contaminant of Concern → Date Collected | Sample Depth (ft. BLS) | Antimony | Arsenic | Beryllium | Cadmium | Lead | Manganese | Selenium | Thallium |
|---|---|---|---|---|---|---|---|---|---|---|
| SB01 (1.0-2.0) | 8/12/2011 | (1.0 - 2.0) | * | * | <0.0195 | 0.0439 J | * | * | * | <0.0269 |
| SB01 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0179 | 0.352 | * | * | * | <0.0247 |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | * | * | <0.0181 | 0.0915 J | * | * | * | <0.0249 |
| SB02 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0196 | 0.254 | * | * | * | <0.0270 |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | * | * | <0.0185 | 0.0933 J | * | * | * | <0.0254 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | * | * | <0.0183 | 0.330 | * | * | * | <0.0252 |
| SB04 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | 0.0484 J | 0.218 | * | * | * | <0.0297 |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0181 | 0.0610 J | * | * | * | <0.0249 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0164 | 0.129 | * | * | * | <0.0226 |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | * | * | <0.0202 | 1.27 | * | * | * | <0.0278 |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0191 | 0.0752 J | * | * | * | <0.0263 |
| SB09 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0197 | 0.144 | * | * | * | <0.0271 |
| SB10 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0177 | 0.0697 J | * | * | * | <0.0244 |
| SB11 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0181 | 0.153 | * | * | * | <0.0249 |
| SB11D (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0164 | 0.110 | * | * | * | <0.0225 |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0190 | <0.0190 | * | * | * | <0.0262 |
| SB13 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0212 | <0.0212 | * | * | * | <0.0291 |
| SB-14 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.234 | 0.508 | * | * | * | * | 0.117 | <0.0124 |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.236 | 0.856 | * | * | * | * | 0.120 | <0.0118 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.0314 J | 0.115 | * | * | * | * | 0.105 | <0.0128 |
| SB-17 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.238 | 1.33 | * | * | * | * | 0.154 | 0.0140 J |
| SB-18 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.692 | 1.49 | * | * | * | * | 0.136 | <0.0124 |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **1.76** | ****3.13** | * | * | * | * | 0.280 | <0.0127 |
| SB-22 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 0.93 | 1.6 | NA | NA |
| SB-23 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | <0.31 | NA | NA | 48.1 | 4.3 | NA | NA |
| **SB-24 (2-3')** | 1/7/2013 | (2.0 - 3.0) | NA | ****2.5** | NA | NA | **398** | 40.4 | NA | NA |
| SB-25 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | 0.49 J | NA | NA | 68.2 | 12.1 | NA | NA |
| **SB-26 (0-1')** | 1/7/2013 | (0.0 - 1.0) | NA | 0.96 | NA | NA | **696** | 40.7 | NA | NA |
| SB-27 (1-2') | 1/7/2013 | (1.0 - 2.0) | NA | 0.53 J | NA | NA | 121 | 43.3 | NA | NA |
| **SB-28 (0-1')** | 1/7/2013 | (0.0 - 1.0) | NA | 2.4 | NA | NA | **390** | **183** | NA | NA |
| SB-31 (2-3') | 1/3/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 13.2 | 6.9 | NA | NA |
| **Protection of Groundwater Preliminary Soil Remediation Goal** | | | 0.90 | 5.8 | 63 | 3 | 270 | 65 | 2.1 | 0.28 |
| **Preliminary Residential Health Based Soil Remediation Goal** | | | 6.2 | 0.39 | 32 | 14 | 400 | 360 | 78 | 0.16 |
| **Preliminary Industrial Health Based Soil Remediation Goal** | | | 82 | 1.6 | 400 | 160 | 800 | 4,600 | 1,000 | 2.0 |
| **Established Site Specific Background Concentration** | | | 0.2278 | 2.40 | 0.1032 | 0.746 | 222 | 67.7 | 0.268 | 0.0272 |
| BG-4 (2ft-3ft) | 4/20/2012 | (2.0 - 3.0) | 0.645 | 2.40 | 0.106 | * | 222 | * | 0.245 | <0.0272 |
| BG-5 (2ft-3ft) | 4/20/2012 | (2.0 - 3.0) | <0.0562 | 1.12 | 0.0312 J | * | 132 | * | <0.141 | <0.0255 |

**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 6010C**

| Sample ID | Contaminant of Concern → Date Collected | Sample Depth (ft. BLS) | Antimony | Arsenic | Beryllium | Cadmium | Total Chromium | Chromium III | Chromium VI | Copper | Lead | Manganese | Nickel | Selenium | Silver | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SB01 (1.0-2.0)** | 8/12/2011 | (1.0 - 2.0) | <0.549 | <0.401 | * | * | 2.64 | NA | NA | 15.9 | 162 | **86.7** | 1.12 | <0.426 | NA | 69.2 |
| **SB01 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.503 | 0.597 J | * | * | 5.40 | NA | NA | 27.4 | **504** | **133** | 2.05 | 0.396 J | NA | 231 |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | <0.508 | 0.985 J | * | * | 3.40 | NA | NA | 16.8 | 174 | 57.5 | 1.14 | <0.394 | NA | 121 |
| **SB02 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.552 | <0.403 | * | * | 4.65 | NA | NA | 14.1 | 193 | **84.6** | 8.84 | <0.428 | NA | 227 |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | <0.519 | <0.379 | * | * | 1.88 | NA | NA | 4.79 | 82.7 | 9.66 | 0.471 J | <0.402 | NA | 103 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.515 | <0.376 | * | * | 1.72 | NA | NA | 4.83 | 20.9 | 11.0 | 0.435 J | <0.400 | NA | 25.5 |
| **SB04 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.605 | ****2.74** | * | * | 11.2 | NA | NA | 95.4 | **577** | **325** | 3.89 | 0.677 J | NA | 234 |
| **SB-04-2 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 24.0 | 21.9 | **2.09 J** | NA | NA | NA | NA | NA | NA | NA |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.508 | <0.371 | * | * | 2.23 | NA | NA | 5.35 | 121 | 11.5 | 0.403 J | <0.394 | NA | 306 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.462 | <0.337 | * | * | 0.409 J | NA | NA | 1.41 | 1.79 | 1.66 | <0.356 | <0.358 | NA | 11.0 |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | 0.768 J | 2.29 | * | * | 22.0 | NA | NA | 48.3 | **396** | 46.2 | 4.22 | <0.440 | NA | 405 |
| **SB-07-2 (1-1.5 ft)** | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 43.4 | 38.6 | **4.75** | NA | NA | NA | NA | NA | NA | NA |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.537 | 1.45 | * | * | 3.50 | NA | NA | 12.5 | 105 | 36.6 | 1.14 | <0.417 | NA | 74.6 |
| **SB09 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.552 | 0.479 J | * | * | 3.90 | NA | NA | 18.8 | 194 | **88.8** | 1.29 | <0.429 | NA | 102 |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.498 | <0.363 | * | * | 2.74 | NA | NA | 12.6 | 163 | **68.0** | 0.747 J | <0.386 | NA | 72.8 |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.509 | 0.488 J | * | * | 25.1 | NA | NA | 29.8 | **445** | **95.3** | 1.29 | <0.395 | NA | 145 |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.460 | <0.336 | * | * | 11.0 | NA | NA | 25.9 | 257 | **87.5** | 0.820 J | <0.357 | NA | 111 |
| SB-11-2 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 15.2 | 15.2 | <0.229 | NA | NA | NA | NA | NA | NA | NA |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.535 | <0.390 | * | * | 0.982 J | NA | NA | 5.53 | 29.2 | 28.5 | 0.582 J | 0.430 J | NA | 8.46 |
| SB13 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.594 | <0.434 | * | * | 2.41 | NA | NA | 14.9 | 40.5 | 23.8 | 0.826 J | <0.461 | NA | 41.7 |
| SB-14 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 1.23 | 0.122 J | 2.17 | NA | NA | 12.9 | 51.4 | 25.7 | 0.798 J | * | <0.114 | 21.9 |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 0.890 J | 0.115 J | 2.94 | NA | NA | 14.4 | 166 | 20.4 | 1.42 | * | <0.108 | 48.7 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | <0.893 | <0.0740 | 1.28 | NA | NA | 1.01 J | 13.3 | 2.93 | <0.310 | * | <0.117 | 7.71 |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | * | * | <0.797 | 0.311 J | 5.82 | NA | NA | 27.5 | **292** | **70.9** | 1.81 | * | 0.232 J | 151 |
| SB-18 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 1.03 | 0.239 J | 4.58 | NA | NA | 15.3 | 121 | 41.1 | 1.80 | * | <0.113 | 74.2 |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | * | * | <0.887 | **4.60** | 57.0 | NA | NA | 59.3 | ****1,200** | **157** | 8.00 | * | 0.294 J | 1,110 |
| SB-23 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 0.52 J | <5.0 | <5.3 | NA | NA | NA | NA | NA | NA | NA |
| SB-24 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 5.6 | 5.6 | <5.7 | NA | NA | NA | NA | NA | NA | NA |
| SB-25 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 1.4 | <5.0 | <6.1 | NA | NA | NA | NA | NA | NA | NA |
| SB-26 (0-1') | 1/7/2013 | (0.0 - 1.0) | NA | NA | NA | NA | 73.1 | 71.3 | <5.3 | NA | NA | NA | NA | NA | NA | NA |
| SB-27 (1-2') | 1/7/2013 | (1.0 - 2.0) | NA | NA | NA | NA | 6.8 | 6.8 | <5.9 | NA | NA | NA | NA | NA | NA | NA |
| SB-28 (0-1') | 1/7/2013 | (0.0 - 1.0) | NA | NA | NA | NA | 8.8 | 8.8 | <4.8 | NA | NA | NA | NA | NA | NA | NA |
| SB-31 (2-3') | 1/3/2013 | (2.0 - 3.0) | NA | NA | NA | NA | NA | NA | NA | NA | 13.2 | 6.9 | NA | NA | NA | NA |
| **SB-33 (.5-1)** | 3/7/2013 | (0.5 - 1.0) | NA | NA | NA | NA | 9.3 | NA | **0.847** | NA | 238 | NA | NA | NA | NA | NA |
| SB-38 (.5-1) | 3/7/2013 | (0.5 - 1.0) | NA | NA | NA | NA | 2.5 | NA | 0.354 | NA | 35.8 | NA | NA | NA | NA | NA |
| **Protection of Groundwater Preliminary Soil RG** | | | 0.90 | 5.8 | 63 | 3 | NE | 380,000 | 3.8 | 700 | 270 | 65 | 130 | 2.1 | 3.4 | 1,200 |
| **Preliminary Residential Health Based Soil RG** | | | 6.2 | 0.39 | 32 | 14 | NE | 24,000 | 0.29 | 620 | 400 | 360 | 300 | 78 | 78 | 4,800 |
| **Preliminary Industrial Health Based Soil RG** | | | 82 | 1.6 | 400 | 160 | NE | 100,000 | 5.6 | 8,200 | 800 | 4,600 | 4,000 | 1,000 | 1,000 | 62,000 |
| **Established Site Specific Background Concentration** | | | 0.2248 | 2.40 | 0.1032 | 0.746 | 6.87 | 8.4 | 0.495 | 28.3 | 222 | 67.7 | 2.94 | 0.268 | 0.0832 | 124 |
| BG-4 (2ft-3ft) | 4/20/2012 | (2.0-3.0) | * | * | * | 0.746 | 6.87 | 8.4 | <0.239 | * | * | 34.3 | * | * | * | 124 |
| BG-5 (2ft-3ft) | 4/20/2012 | (2.0-3.0) | * | * | * | 0.574 | 4.68 | 5.26 | <0.247 | * | * | 42.1 | * | * | * | 80.4 |

All results and Preliminary Soil Remediation Goals (PSRG) in milligrams per kilogram (mg/kg).
RG = Remediation Goal
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG and Background Concentration.
Shaded results and Sample IDs exceed the Residential Health Based PSRG and Background Concentration.
** = Result exceeds the Industrial Health Based PSRG and Background Concentration
< = Less than method detection limit
* = See EPA Method 6020A
NA = Not Analyzed
NE = None
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit
BG = Background Sample

**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 7471B**

| Sample ID | Contaminant of Concern → Date Collected | Sample Depth (ft. BLS) | Mercury |
|---|---|---|---|
| SB01 (1.0-2.0) | 8/12/2011 | (1.0 - 2.0) | 0.195 |
| SB01 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.281 |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | 0.469 |
| SB02 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.323 |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | 0.0942 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | 0.0270 |
| **SB04 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | **2.69** |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.137 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.00227 J |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | 0.271 |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.385 |
| SB09 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.493 |
| SB10 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.603 |
| SB11 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.786 |
| SB11D (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.644 |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.107 |
| SB13 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.165 |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **2.54** |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.223 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.134 |
| SB-17 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.478 |
| SB-18 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.157 |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **1.02** |
| SB-23 (2-3') | 1/7/2013 | (2.0 - 3.0) | 0.049 |
| SB-24 (2-3') | 1/7/2013 | (2.0 - 3.0) | 0.26 |
| SB-25 (2-3') | 1/7/2013 | (2.0 - 3.0) | 0.021 |
| SB-26 (0-1') | 1/7/2013 | (0.0 - 1.0) | 0.21 |
| SB-27 (1-2') | 1/7/2013 | (1.0 - 2.0) | 0.26 |
| **SB-28 (0-1')** | 1/7/2013 | (0.0 - 1.0) | **1.7** |
| SB-30 (2-3') | 1/3/2013 | (2.0 - 3.0) | 0.80 |
| **Protection of Groundwater Preliminary Soil Remediation Goal** | | | 1.0 |
| **Preliminary Residential Health Based Soil Remediation Goal** | | | 2.0 |
| **Preliminary Industrial Health Based Soil Remediation Goal** | | | 3.1 |
| **Established Site Specific Background Concentration** | | | 0.543 |

All results and Preliminary Soil Remediation Goals (PSRG) in milligrams per kilogram (mg/kg).
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG and Background Concentration.
Shaded results and Sample IDs exceed the Residential Health Based PSRG and Background Concentration.
< = Less than method detection limit
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit

LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| ○ | PROPERTY CORNER |
| I.P.S. | IRON PIPE SET |
| N.P.F. | NO POINT FOUND |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| ± | APPROXIMATE |
| R/W | RIGHT-OF-WAY |
| | HANDI-CAP PARKING |
| ℄ | CENTER LINE |
| PL | PROPERTY LINE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| SS | SANITARY SEWER |
| CO | CLEAN OUT |
| W | WATER LINE |
| NCNG | NORTH CAROLINA NATURAL GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |
| | WATER/DITCH |
| | FENCE LINE |
| | BUILDING LINE |
| | BOUNDARY LINE |
| | CONCRETE AREA |
| | GRAVEL AREA |
| | GROUNDWATER MONITORING WELL |
| | SOIL SAMPLE LOCATIONS |
| | FORMER SOIL SAMPLE LOCATIONS |
| | FORMER S&ME SOIL SAMPLE LOCATIONS FROM 8/20/2008 THAT WERE BELOW METHOD DETECTION LIMITS |
| | BACKGROUND SAMPLE |
| | ESTIMATED EXTENT OF ARSENIC IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF CHROMIUM VI IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF LEAD IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF MERCURY IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF ANY ANALYZED METAL ABOVE CORRESPONDING STANDARDS (SEE NOTES) |

NOTES:
1. MAP ADAPTED FROM SURVEY DATED MAY 8, 2013 AND SURVEYED BY MICHAEL N. UNDERWOOD P.L.S.
2. ESTIMATED EXTENT(S) OF IMPACTED SOILS ABOVE THE CORRESPONDING RESIDENTIAL HEALTH BASED PSRG AND BACKGROUND CONFIRMATION

GRAPHIC SCALE: 1"=20'
20 0 20 40 60

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

PROJECT: COCA COLA, LLC. REMEDIAL INVESTIGATION 1002 PRINCESS STREET WILMINGTON, NC

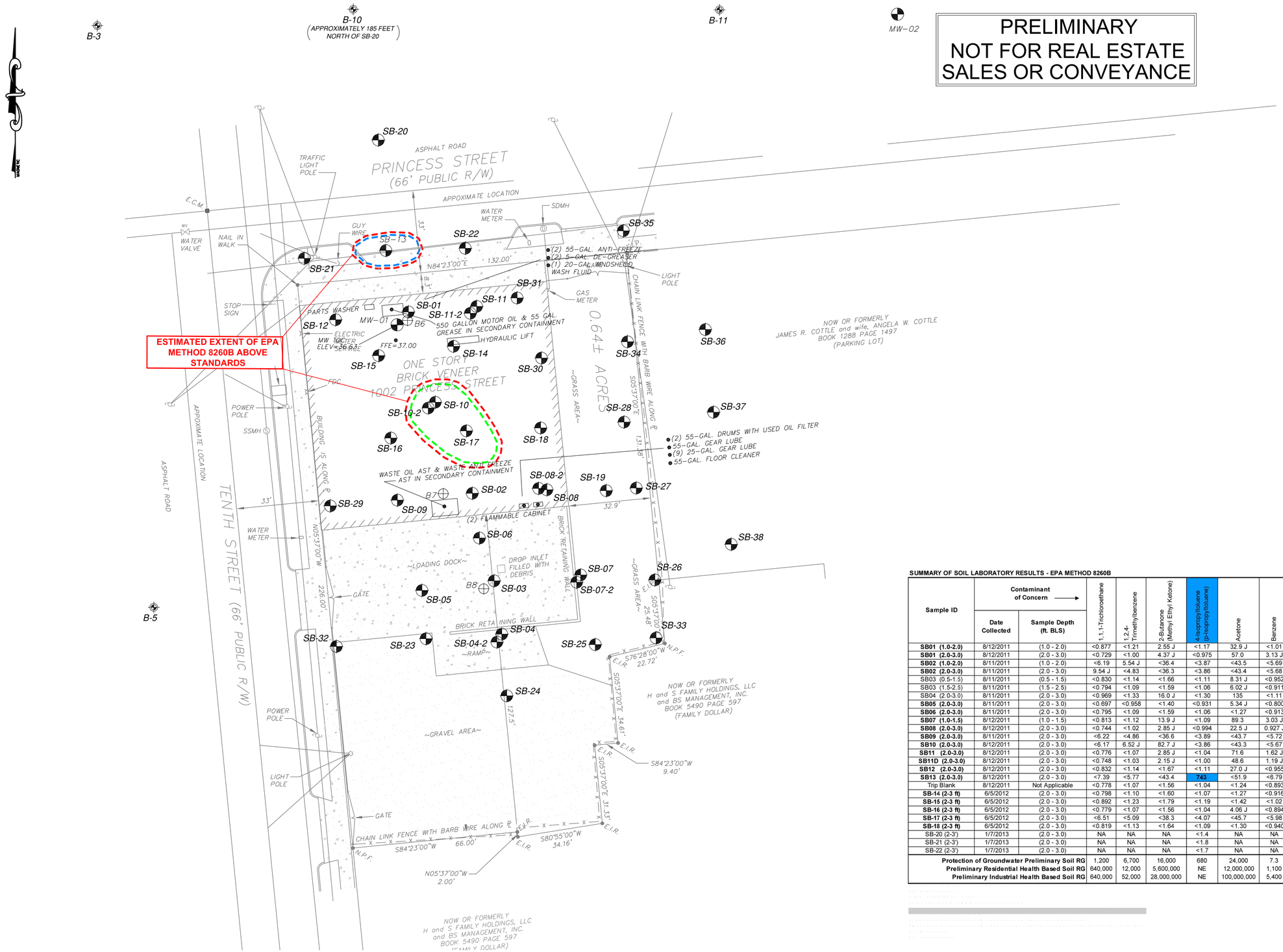
TITLE: SUMMARY OF SOIL LABORATORY RESULTS - METALS

FIGURE 10

JOB NO. 208069 | DATE: MAY 2013 | SCALE: AS SHOWN | DRAWN BY: THW | CHECKED BY: GRG

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 10.DWG

# PRELIMINARY
# NOT FOR REAL ESTATE SALES OR CONVEYANCE




LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| ○ | PROPERTY CORNER |
| I.P.S. | IRON PIPE SET |
| N.P.F. | NO POINT FOUND |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| ± | APPROXIMATE |
| R/W | RIGHT-OF-WAY |
| ♿ | HANDI-CAP PARKING |
| ℄ | CENTER LINE |
| ⅊ | PROPERTY LINE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| SS | SANITARY SEWER |
| CO | CLEAN OUT |
| W | WATER LINE |
| NCNG | NORTH CAROLINA NATURAL GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |
| | WATER/DITCH |
| | FENCE LINE |
| | BUILDING LINE |
| | BOUNDARY LINE |
| | CONCRETE AREA |
| | GRAVEL AREA |
| | GROUNDWATER MONITORING WELL |
| | SOIL SAMPLE LOCATIONS |
| | FORMER SOIL SAMPLE LOCATIONS |
| | FORMER S&ME SOIL SAMPLE LOCATIONS FROM 8/20/2008 THAT WERE BELOW METHOD DETECTION LIMITS |
| | ESTIMATED EXTENT OF 4-ISOPROPYLTOLUENE (p-ISOPROPYLTOLUENE)IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF TETRACHLOROETHENE (TETRACHLOROETHYLENE, PERC, PCE) IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF ANY EPA METHOD 8260B COMPOUND ABOVE CORRESPONDING STANDARDS (SEE NOTES) |

**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8260B**

| Sample ID | Contaminant of Concern → Date Collected | Sample Depth (ft. BLS) | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | 2-Butanone (Methyl Ethyl Ketone) | 4-Isopropyltoluene (p-Isopropyltoluene) | Acetone | Benzene | Ethyl Benzene | Methyl iodide | Methylene chloride | Naphthalene | Tetrachloroethene (Tetrachloroethylene, Perc, PCE) | Trichlorofluoro-methane | Toluene | Total Xylenes | All other Method 8260B Parameters |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SB01 (1.0-2.0)** | 8/12/2011 | (1.0 - 2.0) | <0.877 | <1.21 | 2.55 J | <1.17 | 32.9 J | <1.01 | <0.932 | <0.953 | 2.42 J | <1.36 | **43.4** | <0.850 | 1.16 J | <3.13 | BMDL |
| **SB01 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.729 | <1.00 | 4.37 J | <0.975 | 57.0 | 3.13 J | <0.775 | <0.793 | 5.28 J | <1.13 | **27.9** | <0.707 | 1.71 J | <2.607 | BMDL |
| **SB02 (1.0-2.0)** | 8/11/2011 | (1.0 - 2.0) | <6.19 | 5.54 J | <36.4 | <3.87 | <43.5 | <5.69 | <4.42 | <5.79 | <7.65 | 12.1 J | **229** | <6.90 | 20.1 J | 24.15 J | BMDL |
| **SB02 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | 9.54 J | <4.83 | <36.3 | <3.86 | <43.4 | <5.68 | <4.41 | <5.78 | 9.54 J | <4.30 | **298** | <6.88 | <6.68 | <13.53 | BMDL |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | <0.830 | <1.14 | <1.66 | <1.11 | 8.31 J | <0.952 | <0.882 | <0.902 | 1.13 J | <1.29 | 1.47 J | <0.804 | <0.864 | <2.97 | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.794 | <1.09 | <1.59 | <1.06 | 6.02 J | <0.911 | <0.844 | <0.863 | 2.33 J | <1.23 | 2.28 J | <0.769 | <0.827 | <2.84 | BMDL |
| SB04 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.969 | <1.33 | 16.0 J | <1.30 | 135 | <1.11 | <1.03 | <1.05 | <0.870 | <1.51 | 3.96 J | <0.939 | <1.01 | <3.47 | BMDL |
| **SB05 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.697 | <0.958 | <1.40 | <0.931 | 5.34 J | <0.800 | <0.741 | <0.758 | 2.59 J | <1.08 | **29.5** | <0.675 | <0.725 | <2.494 | BMDL |
| **SB06 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.795 | <1.09 | <1.59 | <1.06 | <1.27 | <0.913 | <0.845 | <0.865 | 9.77 J | <1.24 | **51.1** | <0.771 | <0.828 | <2.84 | BMDL |
| **SB07 (1.0-1.5)** | 8/12/2011 | (1.0 - 1.5) | <0.813 | <1.12 | 13.9 J | <1.09 | 89.3 | 3.03 J | 1.35 J | 1.22 J | 4.96 J | 1.58 J | **5.08 J** | <0.788 | 3.21 J | 9.92 J | BMDL |
| **SB08 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.744 | <1.02 | 2.85 J | <0.994 | 22.5 J | 0.927 J | <0.791 | <0.809 | 2.88 J | <1.16 | **7.32** | <0.721 | 0.946 J | <2.656 | BMDL |
| **SB09 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <6.22 | <4.86 | <36.6 | <3.89 | <43.7 | <5.72 | <4.44 | <5.82 | 11.6 J | <4.32 | **267** | <6.93 | <6.73 | <13.63 | BMDL |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <6.17 | 6.52 J | 82.7 J | <3.86 | <43.3 | <5.67 | <4.40 | <5.77 | 10.0 J | 11.0 J | **632** | <6.87 | <6.67 | <13.51 | BMDL |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.776 | <1.07 | 2.85 J | <1.04 | 71.6 | 1.62 J | <0.825 | <0.844 | 4.72 J | <1.21 | **8.90** | <0.752 | 1.68 J | <2.78 | BMDL |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.748 | <1.03 | 2.15 J | <1.00 | 48.6 | 1.19 J | <0.795 | <0.814 | 5.57 J | <1.16 | **8.46** | <0.725 | 1.34 J | <2.671 | BMDL |
| **SB12 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.832 | <1.14 | <1.67 | <1.11 | 27.0 J | <0.955 | <0.884 | <0.904 | 4.00 J | <1.29 | **9.08** | <0.806 | <0.866 | <2.97 | BMDL |
| **SB13 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <7.39 | <5.77 | <43.4 | **743** | <51.9 | <6.79 | <5.27 | <6.91 | 10.8 J | <5.14 | **21.6 J** | <8.23 | <7.99 | <16.15 | BMDL |
| Trip Blank | 8/12/2011 | Not Applicable | <0.778 | <1.07 | <1.56 | <1.04 | <1.24 | <0.893 | <0.827 | <0.846 | 2.64 J | <1.21 | <0.752 | <0.754 | <0.810 | <2.78 | BMDL |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.798 | <1.10 | <1.60 | <1.07 | <1.27 | <0.916 | <0.848 | <0.867 | 1.36 J | <1.24 | **10.5** | 2.61 J | <0.830 | <1.81 | BMDL |
| **SB-15 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.892 | <1.23 | <1.79 | <1.19 | <1.42 | <1.02 | <0.948 | <0.970 | <0.800 | <1.39 | **5.52 J** | 0.894 J | <0.929 | <2.03 | BMDL |
| **SB-16 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.779 | <1.07 | <1.56 | <1.04 | 4.06 J | <0.894 | <0.828 | <0.847 | 3.84 J | <1.21 | **5.08** | 2.56 J | <0.811 | <1.77 | BMDL |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <6.51 | <5.09 | <38.3 | <4.07 | <45.7 | <5.98 | <4.64 | <6.09 | <8.04 | <4.52 | **944** | <7.25 | <7.04 | <9.63 | BMDL |
| **SB-18 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.819 | <1.13 | <1.64 | <1.09 | <1.30 | <0.940 | <0.870 | <0.890 | **53.2** | <1.27 | <0.791 | <0.793 | 3.47 J | <1.86 | BMDL |
| SB-20 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | <1.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-21 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | <1.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-22 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | <1.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Protection of Groundwater Preliminary Soil RG** | | | 1,200 | 6,700 | 16,000 | 680 | 24,000 | 7.3 | 8,100 | NE | 23 | 210 | 5.0 | 24,000 | 5,500 | 5,800 | Varies |
| **Preliminary Residential Health Based Soil RG** | | | 640,000 | 12,000 | 5,600,000 | NE | 12,000,000 | 1,100 | 5,400 | NE | 56,000 | 3,600 | 17,000 | 150,000 | 820,000 | 130,000 | Varies |
| **Preliminary Industrial Health Based Soil RG** | | | 640,000 | 52,000 | 28,000,000 | NE | 100,000,000 | 5,400 | 27,000 | NE | 620,000 | 18,000 | 82,000 | 680,000 | 820,000 | 260,000 | Varies |

NOTE:
1. MAP ADAPTED FROM SURVEY DATED MAY 8, 2013 AND SURVEYED BY MICHAEL N. UNDERWOOD P.L.S.
2. ESTIMATED EXTENT(S) OF IMPACTED SOILS ABOVE THE CORRESPONDING RESIDENTIAL HEALTH BASED PSRG

GRAPHIC SCALE: 1"=20'

20 0 20 40 60

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

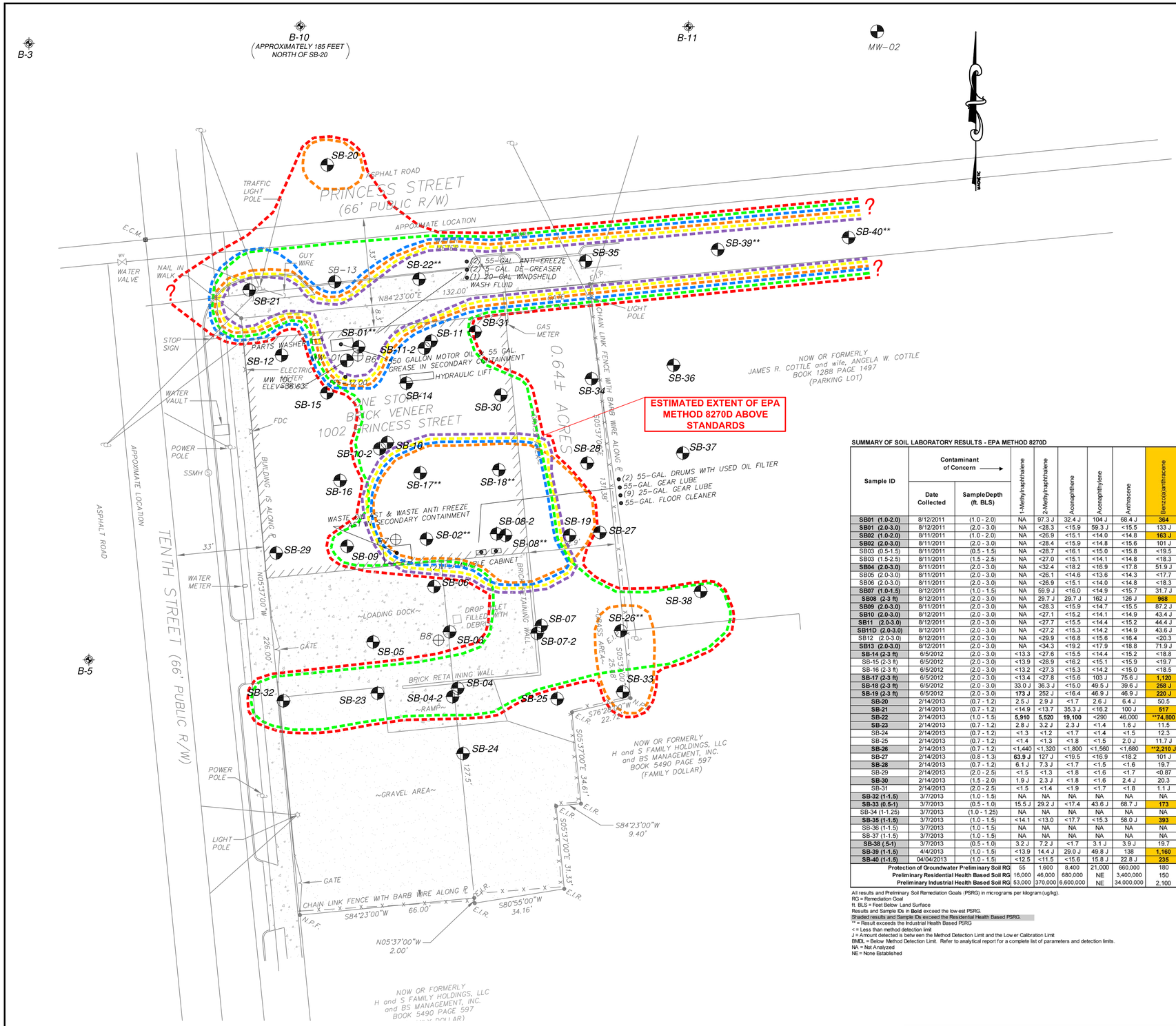
PROJECT: COCA COLA, LLC. REMEDIAL INVESTIGATION 1002 PRINCESS STREET WILMINGTON, NC

TITLE: SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8260B

FIGURE 11

JOB NO. 208069 | DATE: MAY 2013 | SCALE: AS SHOWN | DRAWN BY: THW | CHECKED BY: GRG

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 11.DWG




LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| ○ | PROPERTY CORNER |
| I.P.S. | IRON PIPE SET |
| N.P.F. | NO POINT FOUND |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| ± | APPROXIMATE |
| R/W | RIGHT-OF-WAY |
| | HANDI-CAP PARKING |
| ℄ | CENTER LINE |
| ⅊ | PROPERTY LINE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| SS | SANITARY SEWER |
| CO | CLEAN OUT |
| W | WATER LINE |
| NCNG | NORTH CAROLINA NATURAL GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |
| | WATER/DITCH |
| | FENCE LINE |
| | BUILDING LINE |
| | BOUNDARY LINE |
| | CONCRETE AREA |
| | GRAVEL AREA |
| | GROUNDWATER MONITORING WELL |
| | SOIL SAMPLE LOCATIONS |
| | FORMER SOIL SAMPLE LOCATIONS |
| | FORMER S&ME SOIL SAMPLE LOCATIONS FROM 8/20/2008 THAT WERE BELOW METHOD DETECTION LIMITS |
| | ESTIMATED EXTENT OF BENZO(a)ANTHRACENE IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF BENZO(a)PYRENE IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF BENZO(b)FLUORANTHENE IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF DIBENZ(a,h)ANTHRACENE IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF INDENO(1,2,3-CD)PYRENE IMPACTED SOILS (SEE NOTES) |
| | ESTIMATED EXTENT OF ANY EPA METHOD 8270D COMPOUND ABOVE CORRESPONDING STANDARDS (SEE NOTES) |

**SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8270D**

| Sample ID | Contaminant of Concern → Date Collected | SampleDepth (ft. BLS) | 1-Methylnaphthalene | 2-Methylnaphthalene | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Di-n-butyl phthalate (Dibutyl Phthalate) | Dibenz(a,h)anthracene | Dibenzofuran | Fluoranthene | Fluorene | Indeno(1,2,3-cd)pyrene | Naphthalene | Phenanthrene | Pyrene | All other Method 8270D Parameters |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SB01 (1.0-2.0)** | 8/12/2011 | (1.0 - 2.0) | NA | 97.3 J | 32.4 J | 104 J | 68.4 J | **364** | **537** | **937** | 461 | 281 J | 793 | <17.1 | **93.7 J** | 162 J | 1,960 | 112 J | **400** | 173 J | 2,240 | 1,750 | BMDL |
| **SB01 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <28.3 | <15.9 | 59.3 J | <15.5 | 133 J | **255 J | 513 | 283 J | 202 J | 450 | <16.6 | **38.4 J** | 38.4 J | 908 | <18.6 | **234 J** | <30.2 | 775 | 775 | BMDL |
| **SB02 (1.0-2.0)** | 8/11/2011 | (1.0 - 2.0) | NA | <26.9 | <15.1 | <14.0 | <14.8 | **163 J** | **219 J** | **289 J** | 169 J | 126 J | 209 J | <15.7 | **39.8 J** | <26.0 | 342 | <17.6 | **153 J** | <28.7 | 133 J | 342 | BMDL |
| **SB02 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | NA | <28.4 | <15.9 | <14.8 | <15.6 | 101 J | **122 J** | **154 J** | 98.0 J | 66.5 J | 119 J | <16.6 | <15.8 | <27.5 | 164 J | <18.6 | 80.5 J | <30.3 | 70.0 J | 161 J | BMDL |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | NA | <28.7 | <16.1 | <15.0 | <15.8 | <19.5 | <20.1 | <20.4 | <56.6 | <42.6 | <41.3 | <16.8 | <16.0 | <27.8 | <33.4 | <18.9 | <27.7 | <30.7 | <23.4 | <15.0 | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | NA | <27.0 | <15.1 | <14.1 | <14.8 | <18.3 | <18.9 | <19.2 | <53.0 | <39.9 | <38.8 | <15.8 | <15.0 | <26.1 | <31.3 | <17.7 | <26.0 | <28.8 | <21.9 | <14.1 | BMDL |
| **SB04 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | NA | <32.4 | <18.2 | <16.9 | <17.8 | 51.9 J | **59.9 J** | 71.9 J | <63.7 | <48.0 | 59.9 J | <18.9 | <18.0 | <31.4 | 75.9 J | <21.2 | <31.2 | <34.6 | 39.9 J | 79.9 J | BMDL |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <26.1 | <14.6 | <13.6 | <14.3 | <17.7 | <18.2 | <18.6 | <51.3 | <38.6 | <37.5 | <15.3 | <14.5 | <25.3 | <30.3 | <17.1 | <25.1 | <27.8 | <21.2 | <13.6 | BMDL |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <26.9 | <15.1 | <14.0 | <14.8 | <18.3 | <18.8 | <19.1 | <52.9 | <39.8 | <38.6 | <15.7 | <15.0 | <26.0 | <31.2 | <17.6 | <25.9 | <28.7 | <21.9 | <14.0 | BMDL |
| **SB07 (1.0-1.5)** | 8/12/2011 | (1.0 - 1.5) | NA | 59.9 J | <16.0 | <14.9 | <15.7 | 31.7 J | **31.7 J** | <20.3 | <56.2 | <42.3 | 42.3 J | 35.2 J | <15.9 | <27.7 | 49.3 J | <18.7 | <27.5 | 52.8 J | 35.2 J | 63.4 J | BMDL |
| **SB08 (2-3 ft)** | 8/12/2011 | (2.0 - 3.0) | NA | 29.7 J | 29.7 J | 162 J | 126 J | **968** | ***839** | **1,250** | 373 | 429 | 1,040 | <15.7 | **116 J** | <25.9 | 1,590 | 39.6 J | **367** | 33.0 J | 697 | 1,800 | BMDL |
| **SB09 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | NA | <28.3 | <15.9 | <14.7 | <15.5 | 87.2 J | **94.1 J** | 136 J | <55.6 | 73.2 J | 101 J | <16.5 | <15.8 | <27.4 | 185 J | <18.5 | 45.3 J | <30.2 | 108 J | 167 J | BMDL |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <27.1 | <15.2 | <14.1 | <14.9 | 43.4 J | **70.2 J** | 104 J | <53.3 | 46.8 J | 76.8 J | <15.8 | <15.1 | <26.2 | 144 J | <17.8 | 40.1 J | <28.9 | 93.6 J | 140 J | BMDL |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <27.7 | <15.5 | <14.4 | <15.2 | 44.4 J | **54.7 J** | 82.0 J | <54.5 | <41.0 | 54.7 J | <16.2 | <15.4 | <26.8 | 92.2 J | <18.2 | 27.3 J | <29.6 | 44.4 J | 85.4 J | BMDL |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <27.2 | <15.3 | <14.2 | <14.9 | 43.6 J | **53.7 J** | 80.5 J | <53.5 | <40.3 | 50.3 J | <15.9 | <15.2 | <26.3 | 83.9 J | <17.8 | <26.2 | <29.0 | 33.5 J | 87.2 J | BMDL |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | NA | <29.9 | <16.8 | <15.6 | <16.4 | <20.3 | <20.9 | <21.3 | <58.8 | <44.3 | <43.0 | <17.5 | <16.7 | <28.9 | <34.7 | <19.6 | <28.8 | <31.9 | <24.3 | <15.6 | BMDL |
| **SB13 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | NA | <34.3 | <19.2 | <17.9 | <18.8 | 71.9 J | **80.4 J** | 114 J | <67.5 | <50.8 | 71.9 J | <20.1 | <19.1 | <33.2 | 118 J | <22.5 | 38.1 J | <36.6 | <27.9 | 127 J | BMDL |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <13.3 | <27.6 | <15.5 | <14.4 | <15.2 | <18.8 | **34.1 J** | 64.8 J | <54.4 | <41.0 | 71.6 J | NA | <15.4 | NA | 140 | <18.1 | 30.7 J | <29.5 | 88.7 J | 119 J | NA |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | <13.9 | <28.9 | <16.2 | <15.1 | <15.9 | <19.7 | <20.2 | <20.6 | <56.9 | <42.9 | <41.6 | NA | <16.1 | NA | 60.6 J | <19.0 | <27.9 | <30.9 | 60.6 J | 49.9 J | NA |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | <13.2 | <27.3 | <15.3 | <14.2 | <15.0 | <18.5 | <19.1 | <19.4 | <53.7 | <40.4 | <39.2 | NA | <15.2 | NA | 47.1 J | <17.9 | <26.3 | <29.1 | 33.7 J | 40.4 J | NA |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <13.4 | <27.8 | <15.6 | 103 J | 75.6 J | **1,120** | **1,420** | **1,690** | 1,210 | 622 | 1,490 | NA | ****251 J** | NA | 2,610 | <18.3 | **1,000** | 55.0 J | 1,030 | 2,490 | NA |
| **SB-18 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | 33.0 J | 36.3 J | <15.0 | 49.5 J | 39.6 J | **258 J** | ****277 J** | **337** | 277 J | 145 J | 320 J | NA | **62.7 J** | NA | 492 | <17.6 | **211 J** | 52.8 J | 297 J | 439 | NA |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **173 J** | 252 J | <16.4 | 46.9 J | 46.9 J | **220 J** | <20.4 | <20.8 | <57.5 | <43.3 | 285 J | NA | <16.3 | NA | 451 | <19.2 | <28.2 | 191 J | 314 J | 483 | NA |
| **SB-20** | 2/14/2013 | (0.7 - 1.2) | 2.5 J | 2.9 J | <1.7 | 2.6 J | 6.4 J | 50.5 | **56.5** | 52.7 | 24.2 | 28.8 | 46.8 | NA | 4.1 J | NA | 84.5 | <1.8 | 25.6 | 3.2 J | 31.8 | 84.9 | NA |
| **SB-21** | 2/14/2013 | (0.7 - 1.2) | <14.9 | <13.7 | 35.3 J | <16.2 | 100 J | **517** | **495** | **498** | 234 | 350 | 436 | NA | **108 J** | NA | 1,050 | 27.7 J | **239** | <28.6 | 407 | 935 | NA |
| **SB-22** | 2/14/2013 | (1.0 - 1.5) | **5,910** | **5,520** | **19,100** | <290 | 46,000 | ****74,800** | ****52,600** | ****44,800** | 26,800 | ****43,700** | **70,000** | NA | ****13,900** | NA | 141,000 | 18,600 | ****26,300** | **4,980** | **151,000** | 118,000 | NA |
| **SB-23** | 2/14/2013 | (0.7 - 1.2) | 2.8 J | 3.2 J | 2.3 J | <1.4 | 1.6 J | 11.5 | **24.8** | 18.9 | 16.2 | 14.4 | 11.6 | NA | 12.2 | NA | 9.7 J | <17 | 18.4 | 3.0 J | 6.0 J | 8.5 J | NA |
| SB-24 | 2/14/2013 | (0.7 - 1.2) | <1.3 | <1.2 | <1.7 | <1.4 | <1.5 | 12.3 | <1.2 | 12.8 | 8.5 J | 9.1 J | 13.1 | NA | 5.7 J | NA | 18.7 | <1.8 | 9.3 J | <2.5 | 4.8 J | 16.9 | NA |
| SB-25 | 2/14/2013 | (0.7 - 1.2) | <1.4 | <1.3 | <1.8 | <1.5 | 2.0 J | 11.7 J | <1.3 | <0.79 | 5.8 J | 7.7 J | 10.7 J | NA | 3.5 J | NA | 19.5 | <1.9 | 5.8 J | <2.7 | 8.9 J | 17.3 | NA |
| **SB-26** | 2/14/2013 | (0.7 - 1.2) | <1,440 | <1,320 | <1,800 | <1,560 | <1,680 | ****2,210 J** | <1,320 | <805 | <3,120 | <1,800 | <2,160 | NA | <2,160 | NA | 3,900 J | <1,920 | <3,360 | <2,760 | 2,870 J | 3,460 J | NA |
| **SB-27** | 2/14/2013 | (0.8 - 1.3) | **63.9 J** | 127 J | <19.5 | <16.9 | <18.2 | 101 J | <14.3 | 110 J | <33.8 | 76.0 J | 116 J | NA | <23.4 | NA | 194 | <20.8 | <36.4 | 101 J | 126 J | 176 | NA |
| **SB-28** | 2/14/2013 | (0.7 - 1.2) | 6.1 J | 7.3 J | <1.7 | <1.5 | <1.6 | 19.7 | **29.2** | 24.9 | 15.4 | 15.6 | 20.8 | NA | 7.2 J | NA | 29.4 | <1.9 | 16.8 | 6.6 J | 11.0 J | 28.6 | NA |
| SB-29 | 2/14/2013 | (2.0 - 2.5) | <1.5 | <1.3 | <1.8 | <1.6 | <1.7 | <0.87 | <1.3 | <0.82 | <3.2 | <1.8 | <2.2 | NA | <2.2 | NA | <1.0 | <2.0 | <3.4 | <2.8 | <1.8 | <2.2 | NA |
| **SB-30** | 2/14/2013 | (1.5 - 2.0) | 1.9 J | 2.3 J | <1.8 | <1.6 | 2.4 J | 20.3 | **25.1** | 20.4 | 10.8 J | 15.5 | 21.0 | NA | <2.2 | NA | 41.3 | <1.9 | 11.3 J | 3.1 J | 17.1 | 35.8 | NA |
| SB-31 | 2/14/2013 | (2.0 - 2.5) | <1.5 | <1.4 | <1.9 | <1.7 | <1.8 | 1.1 J | <1.4 | <0.86 | <3.3 | <1.9 | <2.3 | NA | <2.3 | NA | <1.1 | <2.1 | <3.6 | <2.9 | <1.9 | <2.3 | NA |
| **SB-32 (1-1.5)** | 3/7/2013 | (1.0 - 1.5) | NA | NA | NA | NA | NA | NA | **42.7** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **SB-33 (0.5-1)** | 3/7/2013 | (0.5 - 1.0) | 15.5 J | 29.2 J | <17.4 | 43.6 J | 68.7 J | **173** | <12.7 | <7.8 | 61.0 J | 77.3 J | 164 | NA | <20.9 | NA | 276 | 20.7 J | <32.4 | 31.3 J | 251 | 265 | NA |
| SB-34 (1-1.25) | 3/7/2013 | (1.0 - 1.25) | NA | NA | NA | NA | NA | NA | <13.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **SB-35 (1-1.5)** | 3/7/2013 | (1.0 - 1.5) | <14.1 | <13.0 | <17.7 | <15.3 | 58.0 J | **393** | ****360** | **273** | 177 | 187 | 419 | NA | <21.2 | NA | 709 | <16.9 | **161** | <27.1 | 283 | 633 | NA |
| SB-36 (1-1.5) | 3/7/2013 | (1.0 - 1.5) | NA | NA | NA | NA | NA | NA | <1.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-37 (1-1.5) | 3/7/2013 | (1.0 - 1.5) | NA | NA | NA | NA | NA | NA | <1.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **SB-38 (.5-1)** | 3/7/2013 | (0.5 - 1.0) | 3.2 J | 7.2 J | <1.7 | 3.1 J | 3.9 J | 19.7 | **24.0** | 19.0 | 14.5 | 13.3 | 25.7 | NA | 6.2 J | NA | 39.5 | <1.9 | 13.1 | 6.9 J | 17.4 | 36.4 | NA |
| **SB-39 (1-1.5)** | 4/4/2013 | (1.0 - 1.5) | <13.9 | 14.4 J | 29.0 J | 49.8 J | 138 | **1,160** | ****1,310** | **1,230** | 635 | 908 | 1,150 | NA | ****270** | NA | 1,930 | 31.8 J | **648** | 41.6 J | 610 | 1,840 | NA |
| **SB-40 (1-1.5)** | 04/04/2013 | (1.0 - 1.5) | <12.5 | <11.5 | <15.6 | 15.8 J | 22.8 J | **235** | ****297** | **303** | 166 | 232 | 287 | NA | **65.2 J** | NA | 508 | <16.7 | **161** | <24.0 | 146 | 485 | NA |
| **Protection of Groundwater Preliminary Soil RG** | | | 55 | 1,600 | 8,400 | 21,000 | 660,000 | 180 | 59 | 600 | 7,800,000 | 5,900 | 18,000 | 19,000 | 190 | 5,200 | 330,000 | 56,000 | 2,000 | 210 | 68,000 | 220,000 | Varies |
| **Preliminary Residential Health Based Soil RG** | | | 16,000 | 46,000 | 680,000 | NE | 3,400,000 | 150 | 15 | 150 | NE | 1,500 | 15,000 | 1,200,000 | 15 | 16,000 | 460,000 | 460,000 | 150 | 3,600 | NE | 340,000 | Varies |
| **Preliminary Industrial Health Based Soil RG** | | | 53,000 | 370,000 | 6,600,000 | NE | 34,000,000 | 2,100 | 210 | 2,100 | NE | 21,000 | 210,000 | 12,000,000 | 210 | 170,000 | 4,400,000 | 4,400,000 | 2,100 | 18,000 | NE | 3,400,000 | Varies |

All results and Preliminary Soil Remediation Goals (PSRG) in micrograms per kilogram (ug/kg).
RG = Remediation Goal
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the low est PSRG.
Shaded results and Sample IDs exceed the Residential Health Based PSRG.
** = Result exceeds the Industrial Health Based PSRG
< = Less than method detection limit
J = Amount detected is betw een the Method Detection Limit and the Low er Calibration Limit
BMDL = Below Method Detection Limit. Refer to analytical report for a complete list of parameters and detection limits.
NA = Not Analyzed
NE = None Established

NOTE:
1. MAP ADAPTED FROM SURVEY DATED MAY 8, 2013 AND SURVEYED BY MICHAEL N. UNDERWOOD P.L.S.
2. ESTIMATED EXTENT(S) OF IMPACTED SOILS ABOVE THE CORRESPONDING RESIDENTIAL HEALTH BASED PSRG

PRELIMINARY
NOT FOR REAL ESTATE
SALES OR CONVEYANCE

GRAPHIC SCALE: 1"=20'
20 0 20 40 60

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

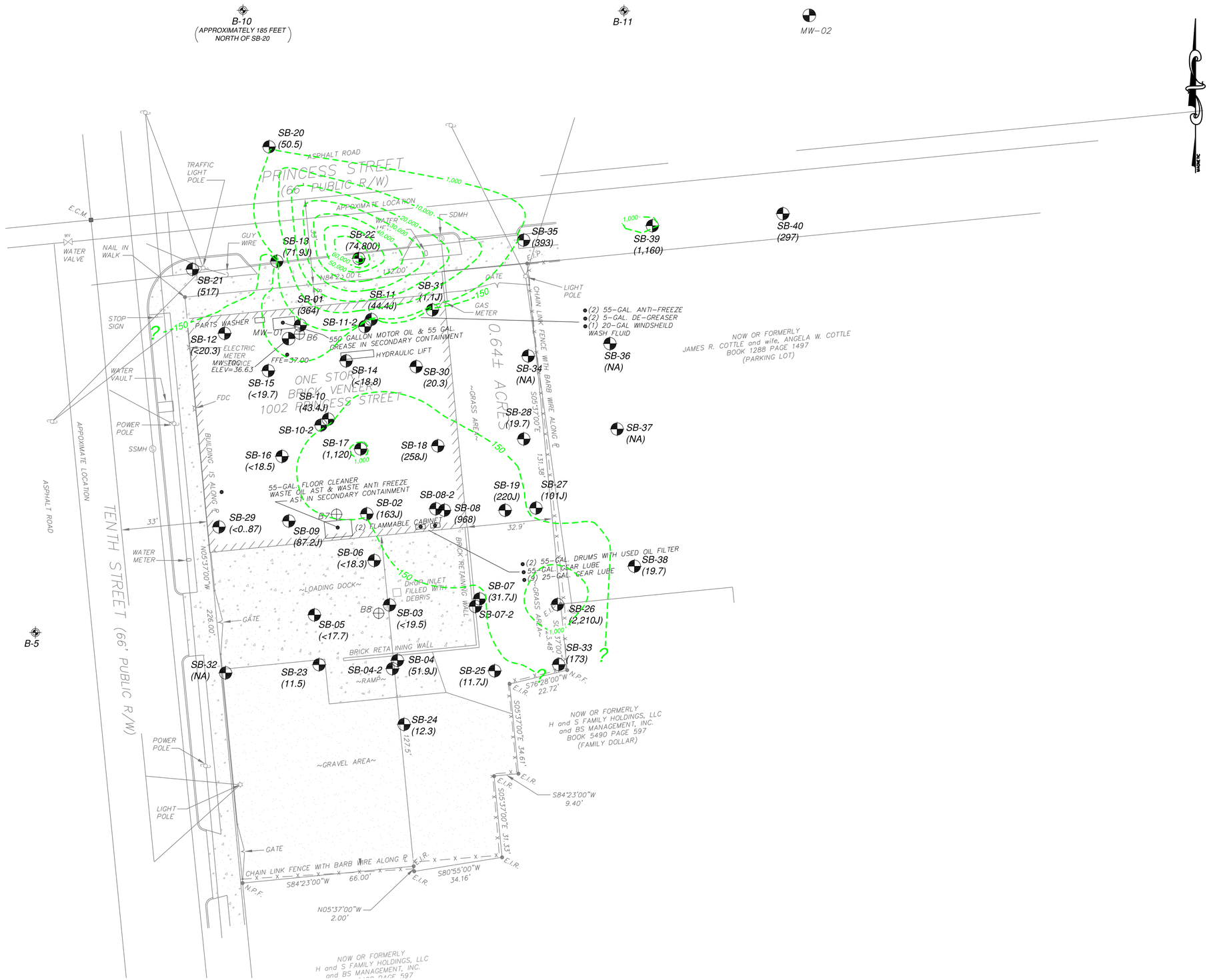
PROJECT: COCA COLA, LLC. REMEDIAL INVESTIGATION 1002 PRINCESS STREET WILMINGTON, NC

TITLE: SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8270D

FIGURE 12

JOB NO. 208069 | DATE: MAY 2013 | SCALE: AS SHOWN | DRAWN BY: THW | CHECKED BY: GRG

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 12.DWG




LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| O | PROPERTY CORNER |
| I.P.S. | IRON PIPE SET |
| N.P.F. | NO POINT FOUND |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| ± | APPROXIMATE |
| R/W | RIGHT-OF-WAY |
| | HANDI-CAP PARKING |
| ℄ | CENTER LINE |
| P | PROPERTY LINE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| SS | SANITARY SEWER |
| CO | CLEAN OUT |
| W | WATER LINE |
| NCNG | NORTH CAROLINA NATURAL GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |

WATER/DITCH

FENCE LINE

BUILDING LINE

BOUNDARY LINE

CONCRETE AREA

GRAVEL AREA

GROUNDWATER MONITORING WELL

SOIL SAMPLE LOCATIONS

FORMER SOIL SAMPLE LOCATIONS

FORMER S&ME SOIL SAMPLE LOCATIONS FROM 8/20/2008 THAT WERE BELOW METHOD DETECTION LIMITS

BENZO(A)ANTHRACENE ISOCONCENTRATION CONTOURS (RESIDENTIAL HEALTH BASED PSRG = 150µg/kg)

( # ) BENZO(A)ANTHRACENE RESULTS IN MICROGRAMS PER KILOGRAM

PRELIMINARY
NOT FOR REAL ESTATE SALES OR CONVEYANCE

NOTE:
1. MAP ADAPTED FROM SURVEY DATED MAY 8, 2013 AND SURVEYED BY MICHAEL N. UNDERWOOD P.L.S.

GRAPHIC SCALE: 1"=20'
20 0 20 40 60

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

| PROJECT | TITLE | FIGURE |
|---|---|---|
| COCA COLA, LLC. REMEDIAL INVESTIGATION 1002 PRINCESS STREET WILMINGTON, NC | BENZO(A)ANTHRACENE ISOCONCENTRATIONS IN SOIL | 13 |

| JOB NO. | DATE: | SCALE: | DRAWN BY: | CHECKED BY: |
|---|---|---|---|---|
| 208069 | APR 2013 | AS SHOWN | THW | GRG |

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 13.DWG

LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| ○ | PROPERTY CORNER |
| I.P.S. | IRON PIPE SET |
| N.P.F. | NO POINT FOUND |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| ± | APPROXIMATE |
| R/W | RIGHT-OF-WAY |
| ♿ | HANDI-CAP PARKING |
| ℄ | CENTER LINE |
| P | PROPERTY LINE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| SS | SANITARY SEWER |
| CO | CLEAN OUT |
| W | WATER LINE |
| NCNG | NORTH CAROLINA NATURAL GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |
| | WATER/DITCH |
| | FENCE LINE |
| | BUILDING LINE |
| | BOUNDARY LINE |
| | CONCRETE AREA |
| | GRAVEL AREA |
| | GROUNDWATER MONITORING WELL |
| | SOIL SAMPLE LOCATIONS |
| | FORMER SOIL SAMPLE LOCATIONS |
| | FORMER S&ME SOIL SAMPLE LOCATIONS FROM 8/20/2008 THAT WERE BELOW METHOD DETECTION LIMITS |
| | BENZO(A)PYRENE ISOCONCENTRATION CONTOURS (RESIDENTIAL HEALTH BASED PSRG = 15µg/kg) |
| ( # ) | BENZO(A)PYRENE RESULTS IN MICROGRAMS PER KILOGRAM |

PRELIMINARY
NOT FOR REAL ESTATE
SALES OR CONVEYANCE

NOTE:
1. MAP ADAPTED FROM SURVEY DATED MAY 8, 2013 AND SURVEYED BY MICHAEL N. UNDERWOOD P.L.S.

GRAPHIC SCALE: 1"=20'
20 0 20 40 60

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

| PROJECT | TITLE | FIGURE |
|---|---|---|
| COCA COLA, LLC. REMEDIAL INVESTIGATION 1002 PRINCESS STREET WILMINGTON, NC | BENZO(A)PYRENE ISOCONCENTRATIONS IN SOIL | 14 |

| JOB NO. | DATE: | SCALE: | DRAWN BY: | CHECKED BY: |
|---|---|---|---|---|
| 208069 | APR 2013 | AS SHOWN | THW | GRG |

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 14.DWG

SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 6020A

| Sample ID | Date Collected | Sample Depth (ft. BLS) | Antimony | Arsenic | Beryllium | Cadmium | Lead | Manganese | Selenium | Thallium |
|---|---|---|---|---|---|---|---|---|---|---|
| SB01 (1.0-2.0) | 8/12/2011 | (1.0 - 2.0) | * | * | <0.0195 | 0.0439 J | * | * | * | <0.0269 |
| SB01 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0179 | 0.352 | * | * | * | <0.0247 |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | * | * | <0.0181 | 0.0915 J | * | * | * | <0.0249 |
| SB02 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0196 | 0.254 | * | * | * | <0.0270 |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | * | * | <0.0185 | 0.0933 J | * | * | * | <0.0254 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | * | * | <0.0183 | 0.330 | * | * | * | <0.0252 |
| SB04 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | 0.0484 J | 0.218 | * | * | * | <0.0297 |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0181 | 0.0610 J | * | * | * | <0.0249 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0164 | 0.129 | * | * | * | <0.0226 |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | * | * | <0.0202 | 1.27 | * | * | * | <0.0278 |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0191 | 0.0752 J | * | * | * | <0.0263 |
| SB09 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | * | * | <0.0197 | 0.144 | * | * | * | <0.0271 |
| SB10 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0177 | 0.0697 J | * | * | * | <0.0244 |
| SB11 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0181 | 0.153 | * | * | * | <0.0249 |
| SB11D (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0164 | 0.110 | * | * | * | <0.0225 |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0190 | <0.0190 | * | * | * | <0.0262 |
| SB13 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | * | * | <0.0212 | <0.0212 | * | * | * | <0.0291 |
| SB-14 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.234 | 0.508 | * | * | * | * | 0.117 | <0.0124 |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.236 | 0.856 | * | * | * | * | 0.120 | <0.0118 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.0314 J | 0.115 | * | * | * | * | 0.105 | <0.0128 |
| SB-17 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.238 | 1.33 | * | * | * | * | 0.154 | 0.0140 J |
| SB-18 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.692 | 1.49 | * | * | * | * | 0.136 | <0.0124 |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **1.76** | ****3.13** | * | * | * | * | 0.280 | <0.0127 |
| SB-22 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 0.93 | 1.6 | NA | NA |
| SB-23 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | <0.31 | NA | NA | 48.1 | 4.3 | NA | NA |
| **SB-24 (2-3')** | 1/7/2013 | (2.0 - 3.0) | NA | ****2.5** | NA | NA | **398** | 40.4 | NA | NA |
| SB-25 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | 0.49 J | NA | NA | 68.2 | 12.1 | NA | NA |
| **SB-26 (0-1')** | 1/7/2013 | (0.0 - 1.0) | NA | 0.96 | NA | NA | **696** | 40.7 | NA | NA |
| SB-27 (1-2') | 1/7/2013 | (1.0 - 2.0) | NA | 0.53 J | NA | NA | 121 | 43.3 | NA | NA |
| **SB-28 (0-1')** | 1/7/2013 | (0.0 - 1.0) | NA | 2.4 | NA | NA | **390** | **183** | NA | NA |
| SB-31 (2-3') | 1/3/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 13.2 | 6.9 | NA | NA |
| Protection of Groundwater Preliminary Soil Remediation Goal | | | 0.90 | 5.8 | 63 | 3 | 270 | 65 | 2.1 | 0.28 |
| Preliminary Residential Health Based Soil Remediation Goal | | | 6.2 | 0.39 | 32 | 14 | 400 | 360 | 78 | 0.16 |
| Preliminary Industrial Health Based Soil Remediation Goal | | | 82 | 1.6 | 400 | 160 | 800 | 4,600 | 1,000 | 2.0 |
| Established Site Specific Background Concentration | | | 0.2278 | 2.40 | 0.1032 | 0.746 | 222 | 67.7 | 0.268 | 0.0272 |
| BG-4 (2ft-3ft) | 4/20/2012 | (2.0 - 3.0) | 0.645 | 2.40 | 0.106 | * | 222 | * | 0.245 | <0.0272 |
| BG-5 (2ft-3ft) | 4/20/2012 | (2.0 - 3.0) | <0.0562 | 1.12 | 0.0312 J | * | 132 | * | <0.141 | <0.0255 |

SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 7471B

| Sample ID | Date Collected | Sample Depth (ft. BLS) | Mercury |
|---|---|---|---|
| SB01 (1.0-2.0) | 8/12/2011 | (1.0 - 2.0) | 0.195 |
| SB01 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.281 |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | 0.469 |
| SB02 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.323 |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | 0.0942 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | 0.0270 |
| **SB04 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | **2.69** |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.137 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.00227 J |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | 0.271 |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.385 |
| SB09 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.493 |
| SB10 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.603 |
| SB11 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.786 |
| SB11D (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.644 |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.107 |
| SB13 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.165 |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **2.54** |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.223 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.134 |
| SB-17 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.478 |
| SB-18 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 0.157 |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | **1.02** |
| SB-23 (2-3') | 1/7/2013 | (2.0 - 3.0) | 0.049 |
| SB-24 (2-3') | 1/7/2013 | (2.0 - 3.0) | 0.26 |
| SB-25 (2-3') | 1/7/2013 | (2.0 - 3.0) | 0.021 |
| SB-26 (0-1') | 1/7/2013 | (0.0 - 1.0) | 0.21 |
| SB-27 (1-2') | 1/7/2013 | (1.0 - 2.0) | 0.26 |
| **SB-28 (0-1')** | 1/7/2013 | (0.0 - 1.0) | **1.7** |
| SB-30 (2-3') | 1/3/2013 | (2.0 - 3.0) | 0.80 |
| Protection of Groundwater Preliminary Soil Remediation Goal | | | 1.0 |
| Preliminary Residential Health Based Soil Remediation Goal | | | 2.0 |
| Preliminary Industrial Health Based Soil Remediation Goal | | | 3.1 |
| Established Site Specific Background Concentration | | | 0.543 |

All results and Preliminary Soil Remediation Goals (PSRG) in milligrams per kilogram (mg/kg).
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG and Background Concentration.
Shaded results and Sample IDs exceed the Residential Health Based PSRG and Background Concentration
< = Less than method detection limit
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit

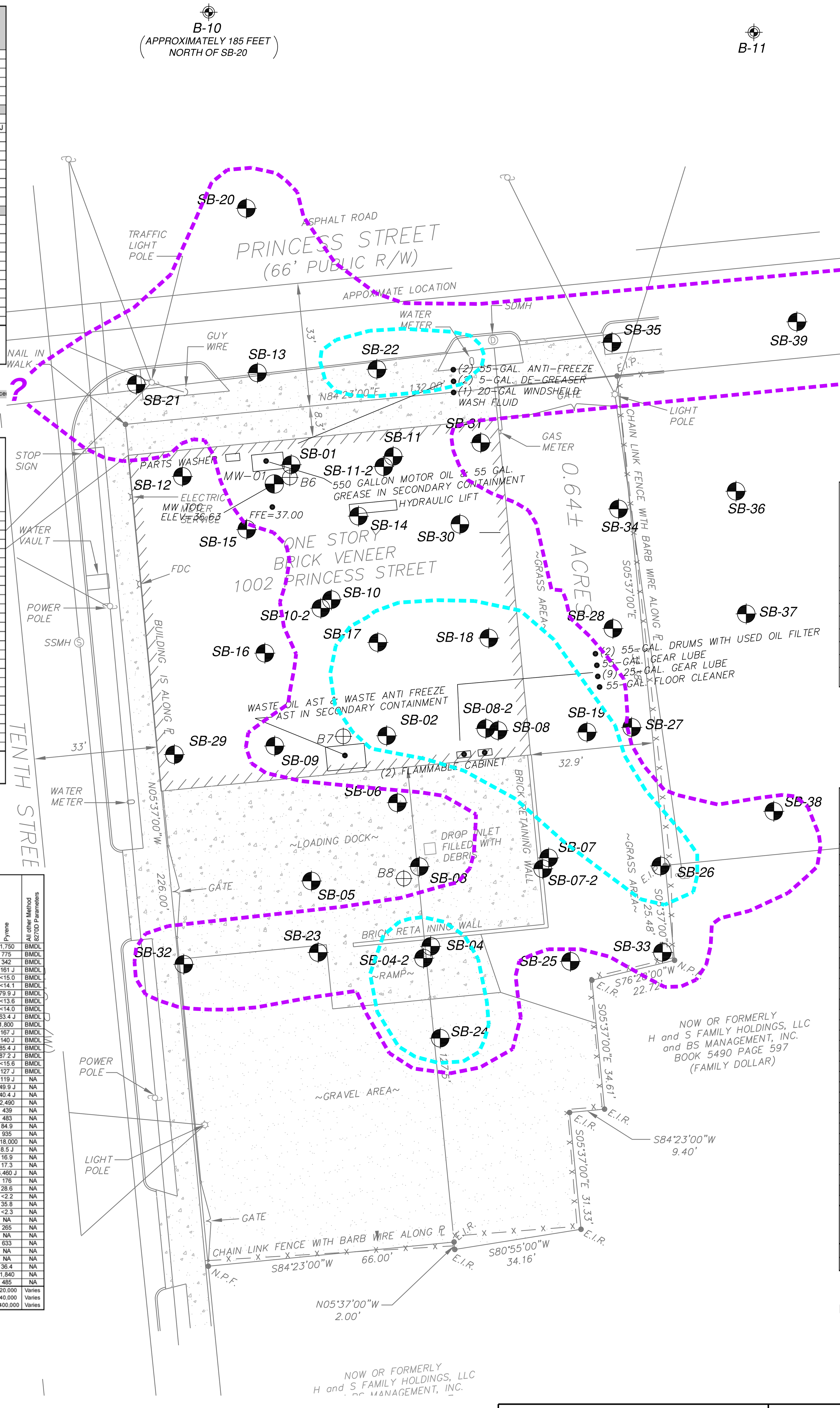
SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8260B

| Sample ID | Date Collected | Sample Depth (ft. BLS) | 1,1,1-Trichloroethane | 1,2,4-Trimethylbenzene | 2-Butanone (Methyl Ethyl Ketone) | 4-Isopropyltoluene (p-Isopropyltoluene) | Acetone | Benzene | Ethyl Benzene | Methyl iodide | Methylene chloride | Naphthalene | Tetrachloroethene (Tetrachloroethylene, Perc, PCE) | Trichlorofluoromethane | Toluene | Total Xylenes | All other Method 8260B Parameters |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SB01 (1.0-2.0)** | 8/12/2011 | (1.0 - 2.0) | <0.877 | <1.21 | 2.55 J | <1.17 | 32.9 J | <1.01 | <0.932 | <0.953 | 2.42 J | <1.36 | **43.4** | <0.850 | 1.16 J | <3.13 | BMDL |
| **SB01 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.729 | <1.00 | 4.37 J | <0.975 | 57.0 | 3.13 J | <0.775 | <0.793 | 5.28 J | <1.13 | **27.9** | <0.707 | 1.71 J | <2.607 | BMDL |
| **SB02 (1.0-2.0)** | 8/11/2011 | (1.0 - 2.0) | <6.19 | 5.54 J | <36.4 | <3.87 | <43.5 | <5.69 | <4.42 | <5.79 | <7.65 | 12.1 J | **229** | <6.90 | 20.1 J | 24.15 J | BMDL |
| **SB02 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | 9.54 J | <4.83 | <36.3 | <3.86 | <43.4 | <5.68 | <4.41 | <5.78 | 9.54 J | <4.30 | **298** | <6.88 | <6.68 | <13.53 | BMDL |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | <0.830 | <1.14 | <1.66 | <1.11 | 8.31 J | <0.952 | <0.882 | <0.902 | 1.13 J | <1.29 | 1.47 J | <0.804 | <0.864 | <2.97 | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.794 | <1.09 | <1.59 | <1.06 | 6.02 J | <0.911 | <0.844 | <0.863 | 2.33 J | <1.23 | 2.28 J | <0.769 | <0.827 | <2.84 | BMDL |
| SB04 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.969 | <1.33 | 16.0 J | <1.30 | 135 | <1.11 | <1.03 | <1.05 | <0.870 | <1.51 | 3.96 J | <0.939 | <1.01 | <3.47 | BMDL |
| **SB05 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.697 | <0.958 | <1.40 | <0.931 | 5.34 J | <0.800 | <0.741 | <0.758 | 2.59 J | <1.08 | **29.5** | <0.675 | <0.725 | <2.494 | BMDL |
| **SB06 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.795 | <1.09 | <1.59 | <1.06 | <1.27 | <0.913 | <0.845 | <0.865 | 9.77 J | <1.24 | **51.1** | <0.771 | <0.828 | <2.84 | BMDL |
| **SB07 (1.0-1.5)** | 8/12/2011 | (1.0 - 1.5) | <0.813 | <1.12 | 13.9 J | <1.09 | 89.3 | 3.03 J | 1.35 J | 1.22 J | 4.96 J | 1.58 J | **5.08 J** | <0.788 | 3.21 J | 9.92 J | BMDL |
| **SB08 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.744 | <1.02 | 2.85 J | <0.994 | 22.5 J | 0.927 J | <0.791 | <0.809 | 2.88 J | <1.16 | **7.32** | <0.721 | 0.946 J | <2.656 | BMDL |
| **SB09 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <6.22 | <4.86 | <36.6 | <3.89 | <43.7 | <5.72 | <4.44 | <5.82 | 11.6 J | <4.32 | **267** | <6.93 | <6.73 | <13.63 | BMDL |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <6.17 | 6.52 J | 82.7 J | <3.86 | <43.3 | <5.67 | <4.40 | <5.77 | 10.0 J | 11.0 J | **632** | <6.87 | <6.67 | <13.51 | BMDL |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.776 | <1.07 | 2.85 J | <1.04 | 71.6 | 1.62 J | <0.825 | <0.844 | 4.72 J | <1.21 | **8.90** | <0.752 | 1.68 J | <2.78 | BMDL |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.748 | <1.03 | 2.15 J | <1.00 | 48.6 | 1.19 J | <0.795 | <0.814 | 5.57 J | <1.16 | **8.46** | <0.725 | 1.34 J | <2.671 | BMDL |
| **SB12 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.832 | <1.14 | <1.67 | <1.11 | 27.0 J | <0.955 | <0.884 | <0.904 | 4.00 J | <1.29 | **9.08** | <0.806 | <0.866 | <2.97 | BMDL |
| **SB13 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <7.39 | <5.77 | <43.4 | **743** | <51.9 | <6.79 | <5.27 | <6.91 | 10.8 J | <5.14 | **21.6 J** | <8.23 | <7.99 | <16.15 | BMDL |
| Trip Blank | 8/12/2011 | Not Applicable | <0.778 | <1.07 | <1.56 | <1.04 | <1.24 | <0.893 | <0.827 | <0.846 | 2.64 J | <1.21 | <0.752 | <0.754 | <0.810 | <2.78 | BMDL |
| **SB-14 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.798 | <1.10 | <1.60 | <1.07 | <1.27 | <0.916 | <0.848 | <0.867 | 1.36 J | <1.24 | **10.5** | 2.61 J | <0.830 | <1.81 | BMDL |
| **SB-15 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.892 | <1.23 | <1.79 | <1.19 | <1.42 | <1.02 | <0.948 | <0.970 | <0.800 | <1.39 | **5.52 J** | 0.894 J | <0.929 | <2.03 | BMDL |
| **SB-16 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.779 | <1.07 | <1.56 | <1.04 | 4.06 J | <0.894 | <0.828 | <0.847 | 3.84 J | <1.21 | **5.08** | 2.56 J | <0.811 | <1.77 | BMDL |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <6.51 | <5.09 | <38.3 | <4.07 | <45.7 | <5.98 | <4.64 | <6.09 | <8.04 | <4.52 | **944** | <7.25 | <7.04 | <9.63 | BMDL |
| **SB-18 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | <0.819 | <1.13 | <1.64 | <1.09 | <1.30 | <0.940 | <0.870 | <0.890 | **53.2** | <1.27 | <0.791 | <0.793 | 3.47 J | <1.86 | BMDL |
| SB-20 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | <1.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-21 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | <1.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-22 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | <1.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Protection of Groundwater Preliminary Soil RG | | | 1,200 | 6,700 | 16,000 | 680 | 24,000 | 7.3 | 8,100 | NE | 23 | 210 | 5.0 | 24,000 | 5,500 | 5,800 | Varies |
| Preliminary Residential Health Based Soil RG | | | 640,000 | 12,000 | 5,600,000 | NE | 12,000,000 | 1,100 | 5,400 | NE | 56,000 | 3,600 | 17,000 | 160,000 | 820,000 | 130,000 | Varies |
| Preliminary Industrial Health Based Soil RG | | | 640,000 | 52,000 | 28,000,000 | NE | 100,000,000 | 5,400 | 27,000 | NE | 620,000 | 18,000 | 82,000 | 680,000 | 820,000 | 260,000 | Varies |

SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8270D

| Sample ID | Date Collected | Sample Depth (ft. BLS) | 1-Methylnaphthalene | 2-Methylnaphthalene | Acenaphthene | Acenaphthylene | Anthracene | Benzo(a)anthracene | Benzo(a)pyrene | Benzo(b)fluoranthene | Benzo(g,h,i)perylene | Benzo(k)fluoranthene | Chrysene | Di-n-butyl phthalate (Dibutyl Phthalate) | Dibenz(a,h)anthracene | Dibenzofuran | Fluoranthene | Fluorene | Indeno(1,2,3-cd)pyrene | Naphthalene | Phenanthrene | Pyrene | All other Method 8270D Parameters |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SB01 (1.0-2.0) | 8/12/2011 | (1.0 - 2.0) | NA | 97.3 J | 32.4 J | 104 J | 68.4 J | 364 | **537 | 937 | 461 | 281 J | 793 | <17.1 | 93.7 J | 162 J | 1,960 | 112 J | 400 | 173 J | 2,240 | 1,750 | BMDL |
| SB01 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | NA | <28.3 | <15.9 | 59.3 J | <15.5 | 133 J | **255 J | 513 | 283 J | 202 J | 450 | <16.6 | 38.4 J | 38.4 J | 908 | <18.6 | 234 J | <30.2 | 775 | 775 | BMDL |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | NA | <26.9 | <15.1 | <14.0 | <14.8 | 163 J | **219 J | 289 J | 169 J | 126 J | 209 J | <15.7 | 39.8 J | <26.0 | 342 | <17.6 | 153 J | <28.7 | 133 J | 342 | BMDL |
| SB02 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <28.4 | <15.9 | <14.8 | <15.6 | 101 J | 122 J | 154 J | 98.0 J | 66.5 J | 119 J | <16.6 | <15.8 | <27.5 | 164 J | <18.6 | 80.5 J | <30.3 | 70.0 J | 161 J | BMDL |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | NA | <28.7 | <16.1 | <15.0 | <15.8 | <19.5 | <20.1 | <20.4 | <56.6 | <42.6 | <41.3 | <16.8 | <16.0 | <27.8 | <33.4 | <18.9 | <27.7 | <30.7 | <23.4 | <15.0 | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | NA | <27.0 | <15.1 | <14.1 | <14.8 | <18.3 | <18.9 | <19.2 | <53.0 | <39.9 | <38.8 | <15.8 | <15.0 | <26.1 | <31.3 | <17.7 | <26.0 | <28.8 | <21.9 | <14.1 | BMDL |
| SB04 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <32.4 | <18.2 | <16.9 | <17.8 | 51.9 J | 59.9 J | 71.9 J | <63.7 | <48.0 | 59.9 J | <18.9 | <18.0 | <31.4 | 75.9 J | <21.2 | <31.2 | <34.6 | 39.9 J | 79.9 J | BMDL |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <26.1 | <14.6 | <13.6 | <14.3 | <17.7 | <18.2 | <18.6 | <51.3 | <38.6 | <37.5 | <15.3 | <14.5 | <25.3 | <30.3 | <17.1 | <25.1 | <27.8 | <21.2 | <13.6 | BMDL |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <26.9 | <15.1 | <14.0 | <14.8 | <18.3 | <18.8 | <19.1 | <52.9 | <39.8 | <38.6 | <15.7 | <15.0 | <26.0 | <31.2 | <17.6 | <25.9 | <28.7 | <21.9 | <14.0 | BMDL |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | NA | 59.9 J | <16.0 | <14.9 | <15.7 | 31.7 J | 31.7 J | <20.3 | <56.2 | <42.3 | 42.3 J | 35.2 J | <15.9 | <27.7 | 49.3 J | <18.7 | <27.5 | 52.8 J | 35.2 J | 63.4 J | BMDL |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | NA | 29.7 J | 29.7 J | 162 J | 126 J | 968 | **839 | 1,250 | 373 | 429 | 1,040 | <15.7 | 116 J | <25.9 | 1,590 | 39.6 J | 367 | 33.0 J | 697 | 1,800 | BMDL |
| SB09 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | NA | <28.3 | <15.9 | <14.7 | <15.5 | 87.2 J | 94.1 J | 136 J | <55.6 | 73.2 J | 101 J | <16.5 | <15.8 | <27.4 | 185 J | <18.5 | 45.3 J | <30.2 | 108 J | 167 J | BMDL |
| SB10 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | NA | <27.1 | <15.2 | <14.1 | <14.9 | 43.4 J | 70.2 J | 104 J | <53.3 | 46.8 J | 76.8 J | <15.8 | <15.1 | <26.2 | 144 J | <17.8 | 40.1 J | <28.9 | 93.6 J | 140 J | BMDL |
| SB11 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | NA | <27.7 | <15.5 | <14.4 | <15.2 | 44.4 J | 54.7 J | 82.0 J | <54.5 | <41.0 | 54.7 J | <16.2 | <15.4 | <26.8 | 92.2 J | <18.2 | 27.3 J | <29.6 | 44.4 J | 85.4 J | BMDL |
| SB11D (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | NA | <27.2 | <15.3 | <14.2 | <14.9 | 43.6 J | 53.7 J | 80.5 J | <53.5 | <40.3 | 50.3 J | <15.9 | <15.2 | <26.3 | 83.9 J | <17.8 | <26.2 | <29.0 | 33.5 J | 87.2 J | BMDL |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | NA | <29.9 | <16.8 | <15.6 | <16.4 | <20.3 | <20.9 | <21.3 | <58.8 | <44.3 | <43.0 | <17.5 | <16.7 | <28.9 | <34.7 | <19.6 | <28.8 | <31.9 | <24.3 | <15.6 | BMDL |
| SB13 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | NA | <34.3 | <19.2 | <17.9 | <18.8 | 71.9 J | 80.4 J | 114 J | <67.5 | <50.8 | 71.9 J | <20.1 | <19.1 | <33.2 | 118 J | <22.5 | 38.1 J | <36.6 | <27.9 | 127 J | BMDL |
| SB-14 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | <13.3 | <27.6 | <15.5 | <14.4 | <15.2 | <18.8 | 34.1 J | 64.8 J | <54.4 | <41.0 | 71.6 J | NA | <15.4 | NA | 140 | <18.1 | 30.7 J | <29.5 | 88.7 J | 119 J | NA |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | <13.9 | <28.9 | <16.2 | <15.1 | <15.9 | <19.7 | <20.2 | <20.6 | <56.9 | <42.9 | <41.6 | NA | <16.1 | NA | 60.6 J | <19.0 | <27.9 | <30.9 | 60.6 J | 49.9 J | NA |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | <13.2 | <27.3 | <15.3 | <14.2 | <15.0 | <18.5 | <19.1 | <19.4 | <53.7 | <40.4 | <39.2 | NA | <15.2 | NA | 47.1 J | <17.9 | <26.3 | <29.1 | 33.7 J | 40.4 J | NA |
| SB-17 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | <13.4 | <27.8 | <15.6 | 103 J | 75.6 J | 1,120 | 1,420 | 1,690 | 1,210 | 622 | 1,490 | NA | **251 J | NA | 2,610 | <18.3 | 1,000 | 55.0 J | 1,030 | 2,490 | NA |
| SB-18 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 33.0 J | 36.3 J | <15.0 | 49.5 J | 39.6 J | 258 J | **277 J | 337 | 277 J | 145 J | 320 J | NA | 62.7 J | NA | 492 | <17.6 | 211 J | 52.8 J | 297 J | 439 | NA |
| SB-19 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | 173 J | 252 J | <16.4 | 46.9 J | 46.9 J | 220 J | <20.4 | <20.8 | <57.5 | <43.3 | 285 J | NA | <16.3 | NA | 451 | <19.2 | <28.2 | 191 J | 314 J | 483 | NA |
| SB-20 | 2/14/2013 | (0.7 - 1.2) | 2.5 J | 2.9 J | <1.7 | 2.6 J | 6.4 J | 50.5 | 56.5 | 52.7 | 24.2 | 28.8 | 46.8 | NA | 4.1 J | NA | 84.5 | <1.8 | 25.6 | 3.2 J | 31.8 | 84.9 | NA |
| SB-21 | 2/14/2013 | (0.7 - 1.2) | <14.9 | <13.7 | 35.3 J | <16.2 | 100 J | 517 | 495 | 498 | 234 | 350 | 436 | NA | 108 J | NA | 1,050 | 27.7 J | 239 | <28.6 | 407 | 935 | NA |
| SB-22 | 2/14/2013 | (1.0 - 1.5) | 5,910 | 5,520 | 19,100 | <290 | 46,000 | **74,800 | **52,600 | **44,800 | 26,800 | **43,700 | 70,000 | NA | **13,900 | NA | 141,000 | 18,600 | **26,300 | 4,980 | 151,000 | 118,000 | NA |
| SB-23 | 2/14/2013 | (0.7 - 1.2) | 2.8 J | 3.2 J | 2.3 J | <1.4 | 1.6 J | 11.5 | 24.8 | 18.9 | 16.2 | 14.4 | 11.6 | NA | 12.2 | NA | 9.7 J | <1.7 | 18.4 | 3.0 J | 6.0 J | 8.5 J | NA |
| SB-24 | 2/14/2013 | (0.7 - 1.2) | <1.3 | <1.2 | <1.7 | <1.4 | <1.5 | 12.3 | <1.2 | 12.8 | 8.5 J | 9.1 J | 13.1 | NA | 5.7 J | NA | 18.7 | <1.8 | 9.3 J | <2.5 | 4.8 J | 16.9 | NA |
| SB-25 | 2/14/2013 | (0.7 - 1.2) | <1.4 | <1.3 | <1.8 | <1.5 | 2.0 J | 11.7 J | <1.3 | <0.79 | 5.8 J | 7.7 J | 10.7 J | NA | 3.5 J | NA | 19.5 | <1.9 | 5.8 J | <2.7 | 8.9 J | 17.3 | NA |
| SB-26 | 2/14/2013 | (0.7 - 1.2) | <1,440 | <1,320 | <1,800 | <1,560 | <1,680 | **2,210 J | <1,320 | <805 | <3,120 | <1,800 | <2,160 | NA | <2,160 | NA | 3,900 J | <1,920 | <3,360 | <2,760 | 2,870 J | 3,460 J | NA |
| SB-27 | 2/14/2013 | (0.8 - 1.3) | 63.9 J | 127 J | <19.5 | <16.9 | <18.2 | 101 J | <14.3 | 110 J | <33.8 | 76.0 J | 116 J | NA | <23.4 | NA | 194 | <20.8 | <36.4 | 101 J | 126 J | 176 | NA |
| SB-28 | 2/14/2013 | (0.7 - 1.2) | 6.1 J | 7.3 J | <1.7 | <1.5 | <1.6 | 19.7 | 29.2 | 24.9 | 15.4 | 15.6 | 20.8 | NA | 7.2 J | NA | 29.4 | <1.9 | 16.8 | 6.6 J | 11.0 J | 28.6 | NA |
| SB-29 | 2/14/2013 | (2.0 - 2.5) | <1.5 | <1.3 | <1.8 | <1.6 | <1.7 | <0.87 | <1.3 | <0.82 | <3.2 | <1.8 | <2.2 | NA | <2.2 | NA | <1.0 | <2.0 | <3.4 | <2.8 | <1.8 | <2.2 | NA |
| SB-30 | 2/14/2013 | (1.5 - 2.0) | 1.9 J | 2.3 J | <1.8 | <1.6 | 2.4 J | 20.3 | 25.1 | 20.4 | 10.8 J | 15.5 | 21.0 | NA | <2.2 | NA | 41.3 | <1.9 | 11.3 J | 3.1 J | 17.1 | 35.8 | NA |
| SB-31 | 2/14/2013 | (2.0 - 2.5) | <1.5 | <1.4 | <1.9 | <1.7 | <1.8 | 1.1 J | <1.4 | <0.86 | <3.3 | <1.9 | <2.3 | NA | <2.3 | NA | <1.1 | <2.1 | <3.6 | <2.9 | <1.9 | <2.3 | NA |
| SB-32 (1-1.5) | 3/7/2013 | (1.0 - 1.5) | NA | NA | NA | NA | NA | NA | 42.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-33 (0.5-1) | 3/7/2013 | (0.5 - 1.0) | 15.5 J | 29.2 J | <17.4 | 43.6 J | 68.7 J | 173 | <12.7 | <7.8 | 61.0 J | 77.3 J | 164 | NA | <20.9 | NA | 276 | 20.7 J | <32.4 | 31.3 J | 251 | 265 | NA |
| SB-34 (1-1.25) | 3/7/2013 | (1.0 - 1.25) | NA | NA | NA | NA | NA | NA | <13.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-35 (1-1.5) | 3/7/2013 | (1.0 - 1.5) | <14.1 | <13.0 | <17.7 | <15.3 | 58.0 J | 393 | **360 | 273 | 177 | 187 | 419 | NA | <21.2 | NA | 709 | <18.9 | 161 | <27.1 | 283 | 633 | NA |
| SB-36 (1-1.5) | 3/7/2013 | (1.0 - 1.5) | NA | NA | NA | NA | NA | NA | <1.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-37 (1-1.5) | 3/7/2013 | (1.0 - 1.5) | NA | NA | NA | NA | NA | NA | <1.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| SB-38 (.5-1) | 3/7/2013 | (0.5 - 1.0) | 3.2 J | 7.2 J | <1.7 | 3.1 J | 3.9 J | 19.7 | 24.0 | 19.0 | 14.5 | 13.3 | 25.7 | NA | 6.2 J | NA | 39.5 | <1.9 | 13.1 | 6.9 J | 17.4 | 36.4 | NA |
| SB-39 (1-1.5) | 4/4/2013 | (1.0 - 1.5) | <13.9 | 14.4 J | 29.0 J | 49.8 J | 138 | 1,160 | **1,310 | 1,230 | 635 | 908 | 1,150 | NA | **270 | NA | 1,930 | 31.8 J | 648 | 41.6 J | 610 | 1,840 | NA |
| SB-40 (1-1.5) | 04/04/2013 | (1.0 - 1.5) | <12.5 | <11.5 | <15.6 | 15.8 J | 22.8 J | 235 | **297 | 303 | 166 | 232 | 287 | NA | 65.2 J | NA | 508 | <16.7 | 161 | <24.0 | 146 | 485 | NA |
| Protection of Groundwater Preliminary Soil RG | | | 55 | 1,600 | 8,400 | 21,000 | 660,000 | 180 | 59 | 600 | 7,800,000 | 5,900 | 18,000 | 19,000 | 190 | 5,200 | 330,000 | 56,000 | 2,000 | 210 | 68,000 | 220,000 | Varies |
| Preliminary Residential Health Based Soil RG | | | 16,000 | 46,000 | 680,000 | NE | 3,400,000 | 150 | 15 | 150 | NE | 1,500 | 15,000 | 1,200,000 | 15 | 16,000 | 460,000 | 460,000 | 150 | 3,600 | NE | 340,000 | Varies |
| Preliminary Industrial Health Based Soil RG | | | 53,000 | 370,000 | 6,600,000 | NE | 34,000,000 | 2,100 | 210 | 2,100 | NE | 21,000 | 210,000 | 12,000,000 | 210 | 170,000 | 4,400,000 | 4,400,000 | 2,100 | 18,000 | NE | 3,400,000 | Varies |

All results and Preliminary Soil Remediation Goals (PSRG) in micrograms per kilogram (ug/kg).
RG = Remediation Goal
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG.
Shaded results and Sample IDs exceed the Residential Health Based PSRG.
** = Result exceeds the Industrial Health Based PSRG
< = Less than method detection limit
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit
BMDL = Below Method Detection Limit. Refer to analytical report for a complete list of parameters and detection limits.
NA = Not Analyzed
NE = None Established




SB-40

LEGEND:

| | |
|---|---|
| E.I.P. | EXISTING IRON PIPE |
| E.C.M | EXISTING CONCRETE MONUMENT |
| E.I.R. | EXISTING IRON REBAR |
| O | PROPERTY CORNER |
| I.P.S. | IRON PIPE SET |
| N.P.F. | NO POINT FOUND |
| P.O.B. | POINT OF BEGINNING |
| P.O.C. | POINT OF COMMENCEMENT |
| ± | APPROXIMATE |
| R/W | RIGHT-OF-WAY |
| ♿ | HANDI-CAP PARKING |
| ℄ | CENTER LINE |
| P | PROPERTY LINE |
| RCP | REINFORCED CONCRETE PIPE |
| CMP | CORRUGATED METAL PIPE |
| PVC | POLY VINYL CHLORIDE |
| SS | SANITARY SEWER |
| CO | CLEAN OUT |
| W | WATER LINE |
| NCNG | NORTH CAROLINA NATURAL GAS |
| OHP | OVERHEAD POWER |
| UGE | UNDERGROUND ELECTRIC |

WATER/DITCH
FENCE LINE
BUILDING LINE
BOUNDARY LINE
CONCRETE AREA
GRAVEL AREA
GROUNDWATER MONITORING WELL
SOIL SAMPLE LOCATIONS
FORMER SOIL SAMPLE LOCATIONS
FORMER S&ME SOIL SAMPLE LOCATIONS FROM 8/20/2008 THAT WERE BELOW METHOD DETECTION LIMITS
ESTIMATED EXTENT OF SOIL CONTAMINATION EXCEEDING SOIL REMEDIATION GOALS
ESTIMATED EXTENT OF SOIL CONTAMINATION EXCEEDING PRELIMINARY INDUSTRIAL HEALTH BASED REMEDIATION GOALS

SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 8260B-SPLP (PCE ONLY) AND EPA METHOD 8270D-SPLP (PAHs ONLY)

| Sample ID | Date Collected | Sample Depth (ft. BLS) | 8260B-SPLP: Tetrachloroethene (Tetrachloroethylene, Perc, PCE) | 8270D-SPLP: All 8270D-SPLP PAH Parameters |
|---|---|---|---|---|
| SB01 (1.0-2.0) | 8/12/2011 | (1.0 - 2.0) | 0.230 J | BMDL |
| SB01 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | 0.170 J | BMDL |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | 0.330 J | BMDL |
| SB02 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | 0.540 J | BMDL |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | 0.160 J | BMDL |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.155 | BMDL |
| SB08-2 (2-3) | 6/5/2012 | (2 - 3) | NA | BMDL |
| SB10-2 (2.0-3.0) | 6/5/2012 | (2.0 - 3.0) | **2.61** | NA |
| 2L GWQS | | | 0.7 | Various |

All results and NCAC T15A:02L Groundwater Quality Standards (2L GWQS) in micrograms per Liter (ug/L).
ft. BLS = Feet Below Land Surface
SPLP = Synthetic Precipitation Leaching Procedure
PAH = Polycyclic Aromatic Hydrocarbons
< = Less than method detection limit
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit
BMDL = Below Method Detection Limit. Refer to analytical report for a complete list of parameters and detection limits.
NA = Not Analyzed
Results in **Bold** exceed the 2L GWQS

SUMMARY OF SOIL LABORATORY RESULTS - EPA METHOD 6010C

| Sample ID | Date Collected | Sample Depth (ft. BLS) | Antimony | Arsenic | Beryllium | Cadmium | Total Chromium | Chromium III | Chromium VI | Copper | Lead | Manganese | Nickel | Selenium | Silver | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SB01 (1.0-2.0)** | 8/12/2011 | (1.0 - 2.0) | <0.549 | <0.401 | * | * | 2.64 | NA | NA | 15.9 | 162 | **86.7** | 1.12 | <0.426 | NA | 69.2 |
| **SB01 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.503 | 0.597 J | * | * | 5.40 | NA | NA | 27.4 | **504** | **133** | 2.05 | 0.396 J | NA | 231 |
| SB02 (1.0-2.0) | 8/11/2011 | (1.0 - 2.0) | <0.508 | 0.985 J | * | * | 3.40 | NA | NA | 16.8 | 174 | 57.5 | 1.14 | <0.394 | NA | 121 |
| **SB02 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.552 | <0.403 | * | * | 4.65 | NA | NA | 141 | 193 | **84.6** | 8.84 | <0.428 | NA | 227 |
| SB03 (0.5-1.5) | 8/11/2011 | (0.5 - 1.5) | <0.519 | <0.379 | * | * | 1.88 | NA | NA | 4.79 | 62.7 | 9.66 | 0.471 J | <0.402 | NA | 103 |
| SB03 (1.5-2.5) | 8/11/2011 | (1.5 - 2.5) | <0.515 | <0.376 | * | * | 1.72 | NA | NA | 4.83 | 20.9 | 11.0 | 0.435 J | <0.400 | NA | 25.5 |
| **SB04 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.605 | ****2.74** | * | * | 11.2 | NA | NA | 95.4 | **577** | **325** | 3.89 | 0.677 J | NA | 234 |
| **SB-04-2 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 24.0 | 21.9 | **2.09 J** | NA | NA | NA | NA | NA | NA | NA |
| SB05 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.508 | <0.371 | * | * | 2.23 | NA | NA | 5.35 | 121 | 11.5 | 0.403 J | <0.394 | NA | 306 |
| SB06 (2.0-3.0) | 8/11/2011 | (2.0 - 3.0) | <0.462 | <0.337 | * | * | 0.409 J | NA | NA | 1.41 | 1.79 | 1.66 | <0.356 | <0.358 | NA | 11.0 |
| SB07 (1.0-1.5) | 8/12/2011 | (1.0 - 1.5) | 0.768 J | 2.29 | * | * | 22.0 | NA | NA | 48.3 | **396** | 46.2 | 4.22 | <0.440 | NA | 405 |
| **SB-07-2 (1-1.5 ft)** | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 43.4 | 38.6 | **4.76** | NA | NA | NA | NA | NA | NA | NA |
| SB08 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.537 | 1.45 | * | * | 3.50 | NA | NA | 12.5 | 105 | 36.6 | 1.14 | <0.417 | NA | 74.6 |
| **SB09 (2.0-3.0)** | 8/11/2011 | (2.0 - 3.0) | <0.552 | 0.479 J | * | * | 3.90 | NA | NA | 18.8 | 194 | **88.8** | 1.29 | <0.429 | NA | 102 |
| **SB10 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.498 | <0.363 | | | 2.74 | NA | NA | 12.6 | 163 | **68.0** | 0.747 J | <0.386 | NA | 72.8 |
| **SB11 (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.509 | 0.488 J | * | * | 25.1 | NA | NA | 29.8 | **445** | **95.3** | 1.29 | <0.395 | NA | 145 |
| **SB11D (2.0-3.0)** | 8/12/2011 | (2.0 - 3.0) | <0.460 | <0.336 | * | * | 11.0 | NA | NA | 25.9 | 257 | **87.5** | 0.820 J | <0.357 | NA | 111 |
| SB-11-2 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | NA | NA | NA | NA | 15.2 | 15.2 | <0.229 | NA | NA | NA | NA | NA | NA | NA |
| SB12 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.535 | <0.390 | * | * | 0.982 J | NA | NA | 5.53 | 29.2 | 28.5 | 0.582 J | 0.430 J | NA | 8.46 |
| SB13 (2.0-3.0) | 8/12/2011 | (2.0 - 3.0) | <0.594 | <0.434 | * | * | 2.41 | NA | NA | 14.9 | 40.5 | 23.8 | 0.826 J | <0.461 | NA | 41.7 |
| SB-14 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 1.23 | 0.122 J | 2.17 | NA | NA | 12.9 | 51.4 | 25.7 | 0.798 J | * | <0.114 | 21.9 |
| SB-15 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 0.890 J | 0.115 J | 2.94 | NA | NA | 14.4 | 166 | 20.4 | 1.42 | * | <0.108 | 48.7 |
| SB-16 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | <0.893 | <0.0740 | 1.28 | NA | NA | 1.01 J | 13.3 | 2.93 | <0.310 | * | <0.117 | 7.71 |
| **SB-17 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | * | * | <0.797 | 0.311 J | 5.82 | NA | NA | 27.5 | **292** | **70.9** | 1.81 | * | 0.232 J | 151 |
| SB-18 (2-3 ft) | 6/5/2012 | (2.0 - 3.0) | * | * | 1.03 | 0.239 J | 4.58 | NA | NA | 15.3 | 121 | 41.1 | 1.80 | * | <0.113 | 74.2 |
| **SB-19 (2-3 ft)** | 6/5/2012 | (2.0 - 3.0) | * | * | <0.887 | **4.60** | 57.0 | NA | NA | 59.3 | ****1,200** | **157** | 8.00 | * | 0.294 J | 1,110 |
| SB-23 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 0.52 J | <5.0 | <5.3 | NA | NA | NA | NA | NA | NA | NA |
| SB-24 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 5.6 | 5.6 | <5.7 | NA | NA | NA | NA | NA | NA | NA |
| SB-25 (2-3') | 1/7/2013 | (2.0 - 3.0) | NA | NA | NA | NA | 1.4 | <5.0 | <6.1 | NA | NA | NA | NA | NA | NA | NA |
| SB-26 (0-1') | 1/7/2013 | (0.0 - 1.0) | NA | NA | NA | NA | 73.1 | 71.3 | <5.3 | NA | NA | NA | NA | NA | NA | NA |
| SB-27 (1-2') | 1/7/2013 | (1.0 - 2.0) | NA | NA | NA | NA | 6.8 | 6.8 | <5.9 | NA | NA | NA | NA | NA | NA | NA |
| SB-28 (0-1') | 1/7/2013 | (0.0 - 1.0) | NA | NA | NA | NA | 8.8 | 8.8 | <4.8 | NA | NA | NA | NA | NA | NA | NA |
| SB-31 (2-3') | 1/3/2013 | (2.0 - 3.0) | NA | NA | NA | NA | NA | NA | NA | NA | 13.2 | 6.9 | NA | NA | NA | NA |
| **SB-33 (.5-1)** | 3/7/2013 | (0.5 - 1.0) | NA | NA | NA | NA | 9.3 | NA | **0.847** | NA | 238 | NA | NA | NA | NA | NA |
| SB-38 (.5-1) | 3/7/2013 | (0.5 - 1.0) | NA | NA | NA | NA | 2.5 | NA | 0.354 | NA | 35.8 | NA | NA | NA | NA | NA |
| Protection of Groundwater Preliminary Soil RG | | | 0.90 | 5.8 | 63 | 3 | NE | 360,000 | 3.8 | 700 | 270 | 65 | 130 | 2.1 | 3.4 | 1,200 |
| Preliminary Residential Health Based Soil RG | | | 6.2 | 0.39 | 32 | 14 | NE | 24,000 | 0.29 | 620 | 400 | 360 | 300 | 78 | 78 | 4,600 |
| Preliminary Industrial Health Based Soil RG | | | 82 | 1.6 | 400 | 160 | NE | 100,000 | 5.6 | 8,200 | 800 | 4,600 | 4,000 | 1,000 | 1,000 | 62,000 |
| Established Site Specific Background Concentration | | | 0.2248 | 2.40 | 0.1032 | 0.746 | 6.87 | 8.4 | 0.495 | 28.3 | 222 | 67.7 | 2.94 | 0.268 | 0.0832 | 124 |
| BG-4 (2ft-3ft) | 4/20/2012 | (2.0-3.0) | * | * | * | 0.746 | 6.87 | 8.4 | <0.269 | * | * | 34.3 | * | * | * | 124 |
| BG-5 (2ft-3ft) | 4/20/2012 | (2.0-3.0) | * | * | * | 0.574 | 4.68 | 5.26 | <0.247 | * | * | 42.1 | * | * | * | 80.4 |

All results and Preliminary Soil Remediation Goals (PSRG) in milligrams per kilogram (mg/kg).
RG = Remediation Goal
ft. BLS = Feet Below Land Surface
Results and Sample IDs in **Bold** exceed the lowest PSRG and Background Concentration.
Shaded results and Sample IDs exceed the Residential Health Based PSRG and Background Concentration
** = Result exceeds the Industrial Health Based PSRG and Background Concentration
< = Less than method detection limit
* = See EPA Method 6020A
NA = Not Analyzed
NE = None
J = Amount detected is between the Method Detection Limit and the Lower Calibration Limit
BG = Background Sample

NOTE:
1. MAP ADAPTED FROM SURVEY DATED MAY 8, 2013 AND SURVEYED BY MICHAEL N. UNDERWOOD P.L.S.

PRELIMINARY
NOT FOR REAL ESTATE
SALES OR CONVEYANCE

GRAPHIC SCALE: 1"=20'
20 0 20 40 60

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

| PROJECT | TITLE | FIGURE |
|---|---|---|
| COCA COLA, LLC. REMEDIAL INVESTIGATION 1002 PRINCESS STREET WILMINGTON, NC | SUMMARY OF SOIL LABORATORY RESULTS WITH CONTAMINANT EXTENTS ABOVE SOIL REMEDIATION GOALS | 15 |
| JOB NO. 208069 / DATE: MAY 2013 | SCALE: AS SHOWN / DRAWN BY: THW / CHECKED BY: GRG | |

S:\CAD\DWG\2008\208-069\APRIL 2013\REPORT FIGS\FIGURE 15.DWG

# APPENDICES

# APPENDIX A

# PROPERTY DEED AND TITLE HISTORY

REBECCA T. CHRISTIAN
NEW HANOVER COUNTY
REGISTER OF DEEDS

STATE OF NORTH CAROLINA
COUNTY OF NEW HANOVER

I hereby certify this to be a true copy of the attached document filed and recorded in the aforesaid County, as evidenced in Instrument/Book No. 254 starting with Page No. 85 and ending with Page No. 86.

Witness my hand and seal, this the 22nd day of July, 2003.

REBECCA T. CHRISTIAN
REGISTER OF DEEDS

Lisa C. Green

Signature of Assistant or Deputy Register of Deeds

(SEAL)

In the event the parties of the second part shall fail to pay the monthly rentals herein stipulated for a period of thirty days after the same shall have become due and payable, or shall fail to effect fire insurance herein required and pay the premium therefor within the period of time required by the Agency through which said fire insurance is effected, or shall fail to keep said property in reasonable repair, or shall fail to pay any and all taxes and assessments levied against said property as same become due and payable, the said parties of the second part shall forfeit all rights under this lease at the option of the first part, and the first party shall, at his option, have the right to terminate said lease in the event the said second parties fail to carry out any of their obligations enumerated herein and all rights of the said parties of the second part hereunder shall cease and the said parties of the second part hereby agree to surrender said premises to the party of the first part upon written notice of said party of the first part, and hereby waive any and all notice to vacate said premises.

If the parties of the second part shall carry out all the obligations imposed upon them under the terms of this agreement and make all payments regularly and promptly as herein provided, then the parties of the second part shall have the right on or before July 1st, 1948 to purchase said property at a price of Twelve Hundred and NO/100 ($1200.00) Dollars, with interest thereon from October 1st, 1936 at 6% annually, computed monthly and to receive proper deed to said premises which said party of the first part agrees to execute and deliver. And in the event the said parties of the second part desire to exercise the option to purchase said property given hereunder, they shall notify the party of the first part in writing, by registered mail, on or before May 1st, 1948.

And in the event the said parties of the second part desire to exercise said option, the purchase price of said property to wit $1,200.00 with interest at 6% annually, computed monthly, from October 1st, 1936, shall be credited with the $12.00 per month rental stipulated herein, provided of course, said rental is paid as herein required.

IN TESTIMONY WHEREOF, the parties hereto, have hereunto set their hands and seals in duplicate, this the day and year first above written.

WORLD WAR VETERAN'S LOAN FUND,
STATE OF NORTH CAROLINA.
BY Graham K. Hobbs (Seal)
Commissioner
J.T.Carroll (Seal)
Lora May Carroll (Seal)

STATE OF NORTH CAROLINA,
WAKE COUNTY.

Personally appeared before me this day, Graham K. Hobbs, Commissioner of the World War Veterans Loan Fund, State of North Carolina, and acknowledged due execution of the foregoing indenture for the purpose therein expressed.
Witness my hand and notarial seal, this the 24 day of October 1936.
(Notarial Seal) Grace Wynne Hinton
My commission expires: Aug 12- 1937. Notary Public
STATE OF NORTH CAROLINA)
New Hanover COUNTY )

I, Lena M. Batts, a Notary Public in and for the State and County aforesaid, do hereby certify that J.T.Carroll and Lora May Carroll his wife, personally appeared before me this day and acknowledged the due execution of the annexed Instrument, and the said Lora May Carroll wife of J.T.Carroll being by me privately examined, separate and apart from her said husband touching her voluntary execution of the same, doth state that she signed the same freely and voluntarily, without fear or compulsion of her said husband, or any other person, and that she doth still voluntarily assent thereto.

Witness my hand and seal, this 30th day of Octobr 1936.
(Notarial Seal) Lena M. Batts, Notary Public
My commission expires the 3rd day of January 1937.
STATE OF NORTH CAROLINA,
New Hanover County.
The Foregoing Certificates of Grace Wynne Hinton & Lena M. Batts Notaries Public of Wake & New Hanover Counties are adjudged to be correct. Let the instrument with the Certificates be recorded.
This the 7 day of Nov. 1936.

Lois J. Ward
Deputy Clerk Superior Court.

Received and recorded November 7th, 1936
at 11:15 A.M. and verified.
[illegible]
Register of Deeds.

---

GEORGE H. HUTAFF AND WIFE : STATE OF NORTH CAROLINA )
TO : COUNTY OF NEW HANOVER (
WILMINGTON COCA-COLA BOTTLING : THIS DEED Made and executed this 7th day of
WORKS, INC. : November, 1936, by and between GEORGE H. HUTAFF and
WARRANTY DEED : wife, TABITHA C. HUTAFF, of the City of Wilmington, County of New Hanover, State of North Carolina, parties of the first part, and WILMINGTON COCA-COLA BOTTLING WORKS, INCORPORATED, a corporation organized and existing under the laws of the State of North Carolina, with its principal place of business in the City of Wilmington, County and State aforesaid, party of the second part,

W I T N E S S E T H :

That the said parties of the first part, for and in consideration of the sum of One Hundred ($100) Dollars, and other valuable considerations to them in hand paid by the said party of the second part, the receipt of which is hereby acknowledged, have given, granted, bargained and sold, aliened and conveyed, and by these presents do hereby give, grant, bargain and sell, alien, convey and confirm unto the said party of the second part, its successors and assigns, forever, all that certain lot or parcel of land, situated, lying and being in the City of Wilmington, County of New Hanover, State of North Carolina, and being more particularly described as follows:

BEGINNING at the intersection of the Eastern line of Tenth Street with the Southern line of Princess Street, and running thence Southwardly along the Eastern line of Tenth Street 106 feet, thence Eastwardly and parallel with Princess Street 99 feet, thence Northwardly and parallel with Tenth Street 106 feet to the Southern line of Princess Street, thence Westwardly and along the Southern line of Princess Street 99 feet to the point of beginning; the same being part of Lots 1 and 2, in Block 174, according to the official plan of the City of Wilmington, North Carolina.

TO HAVE AND TO HOLD the above granted and described premises, together with all and singular, the rights, privileges, easements, tenements and appurtenances thereunto belonging, or in anywise appertaining unto the said party of the second part, its successors and assigns, in fee simple, forever.

And the said parties of the first part, for themselves, their heirs, executors and administrators, do covenant to and with the said party of the second part, its successors and assigns, that they are seized in fee of the above granted and described premises, and they have good right to sell and convey the same in fee simple; that the same are free and clear from any and all encumbrances, and that they will and their heirs, executors and administrators shall warrant and defend the title to the same against the lawful claims and demands of any and all persons whomsoever.

IN TESTIMONY WHEREOF, the said parties of the first part have hereunto set their hands and seals, the day and year first above written.

George H. Hutaff (SEAL)
Tabitha C. Hutaff (SEAL)

STATE OF NORTH CAROLINA)
COUNTY OF NEW HANOVER (

I, Albert L. Dosher, a Notary Public in and for the State and County aforesaid, do hereby certify that GEORGE H. HUTAFF and TABITHA C. HUTAFF, his wife, personally appeared before me this day and acknowledged the due execution of the foregoing instrument, and the said TABITHA C. HUTAFF, wife of GEORGE H. HUTAFF, being by me privately examined, separate and apart from her said husband, touching her voluntary execution of the same, doth state that she signed the same freely and voluntarily, without fear or compulsion of her said husband, or any other person, and that she doth still voluntarily assent thereto.

Witness my hand and seal, this 7th day of November 1936.

(Notarial Seal) Albert L. Dosher
My commission expires Jan. 15, 1938. Notary Public.

STATE OF NORTH CAROLINA.
New Hanover County.
The Foregoing Certificate of Albert L. Dosher Notary Public of New Hanover County, is adjudged to be correct. Let the instrument with the certificate be recorded.
This the 7 day of Nov 1936.

Lois J. Ward
Deputy Clerk Superior Court.

Received and recorded November 7th, 1936
at 12:00 M. and verified.

[illegible]
Register of Deeds.

---

CLAYTON L. BELLAMY, TR., : STATE OF NORTH CAROLINA)
MARY B. WALLACE : COUNTY OF NEW HANOVER ) RELEASE.
TO : THIS INDENTURE, made this 5th day of May, 1936, by and between
SHORE ACRES CO. : Clayton C. Bellamy, Trustee, in a certain Deed of Trust duly recorded
DEED OF TRUST : in the office of the Register of Deeds for New Hanover County, in Book No. , and (Mrs.) Mary B. Wallace, parties of the first part, and Shore Acres Company, a North Carolina Corporation, party of the second part.

WITNESSETH, That whereas Shore Acres Company did in and by Deed of Trust aforesaid convey unto the said Clayton L. Bellamy, Trustee, certain properties in said Deed of Trust described and described and,

WHEREAS, it was provided in said Deed of Trust that if the Shore Acres Company should pay off or cause to be paid off any one series of said notes and interest, the lots hereinafter described shall be reconveyed to Shore Acres Company and that said property will then be released from the operation of said Deed of Trust, and,

WHEREAS, the party of the second part has paid in full the required number of notes, which entitles the lots hereinafter described to be released from the operation of said deed of trust, and the said Mary B. Wallace, owner of the notes, has requested the said Trustee to execute a Deed of Release to the party of the second part for the property hereinafter set forth, which said request is evidenced by Mary B. Wallace joining in and executing this instrument.

NOW THEREFORE, the said parties of the first part, in consideration of the premises and the further consideration of $1.00 paid to them by the party of the second part, do hereby release, quitclaim and convey unto the said party of the second part, its successors and assigns, all of that certain property, lying, situate and being in the development known as Shore Acres Development No. , in the County and State aforesaid, and being designated as lots Nos. 56 and 57 according to the official map recorded in the office of the Register of Deeds for New Hanover County, in Map Book No. 3, at page No. 1.

Together with all and singular the hereditaments, easements, hereditaments and appurtenances thereunto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the above described and released property unto the said party of the second part, and its successors and assigns forever, free, clear and discharged of and from the lien of the Deed of Trust aforesaid.

IN WITNESS WHEREOF the said parties of the first part have hereunto set their hands and seals of the day and year first above written.

Clayton L. Bellamy (SEAL)
Trustee
Mary B. Wallace (SEAL)

STATE OF NORTH CAROLINA)
COUNTY OF NEW HANOVER )

Personally appeared before me, J.J. Winsley, a Notary Public in and for the State and County aforesaid, Clayton L. Bellamy, Seal who acknowledged the due execution by him as Trustee, of the annexed instrument for the purposes therein expressed.

Witness my hand and seal this 7th day of November, A.D., 1936.

(Notarial Seal) J.J. Winsley
My Commission expires April 20, 1937. Notary Public.

STATE OF NORTH CAROLINA)
COUNTY OF NEW HANOVER )

Personally appeared before me J.J. Winsley, a Notary Public, in and for the County and State aforesaid (Mrs.) Mary B. Wallace, who acknowledged the due execution of the annexed instrument for the purposes therein expressed.

Witness my hand and official seal this 7th day of November- 1936.

(Notarial Seal) J.J. Winsley
My commission expires April 20- 1937 Notary Public

# STOCK PURCHASE AGREEMENT

THIS STOCK PURCHASE AGREEMENT is made effective as of the 2nd day of July, 1993, by and among CCBC OF WILMINGTON, INC., a Delaware corporation ("Buyer"), CAROLINA COCA-COLA HOLDING COMPANY, a Delaware corporation ("Seller"), and THE COCA-COLA COMPANY, a Delaware corporation ("KO");

W I T N E S S E T H :

WHEREAS, Seller is a wholly owned subsidiary of KO; and

WHEREAS, Buyer is a wholly owned subsidiary of Carolina Coca-Cola Bottling Partnership, a Delaware general partnership;

WHEREAS, Seller desires to sell to Buyer, and Buyer desires to buy from Seller, the issued and outstanding shares of capital stock of the following companies wholly owned by Seller: (i) Wilmington Coca-Cola Bottling Works, Incorporated, a North Carolina corporation ("Wilmington"), (ii) Coca-Cola Bottling Company of Rocky Mount, Inc., a North Carolina corporation ("Rocky Mount"); (iii) Weldon Coca-Cola Bottling Works, Inc., a North Carolina corporation ("Weldon"); (iv) Kelford Coca-Cola Bottling Company, Inc., a North Carolina corporation ("Kelford"); and (v) Emporia Coca-Cola Bottling Company, a Virginia corporation ("Emporia") (Wilmington, Rocky Mount, Weldon, Kelford and Emporia are referred to herein collectively as the "Wilmington Group Companies"); and

WHEREAS, the Wilmington Group Companies are engaged in the manufacture, sale and distribution of products of KO and other third party licensors in certain territories in the States of North Carolina and Virginia (the "Acquired Business");

NOW, THEREFORE, in consideration of the mutual representations, warranties, covenants and agreements, and upon the terms and subject to the conditions hereinafter set forth, the parties do hereby agree as follows:

## ARTICLE 1.

## DEFINITIONS

1.01. Defined Terms. Except as otherwise provided in this Agreement, defined terms shall have the meanings set forth in the Definition and Adjustment Agreement, of even date herewith, among

parties agree to use their best efforts to achieve the purpose of the invalid provision by a new legally valid provision.

8.10. Right of Offset. Nothing contained herein shall be construed to deprive any party hereto of any rights at law to set off a claim made by or an amount owned by such party against a claim made by or an amount owed by, respectively, another party hereto.

8.11. Governing Law. This Agreement shall be governed by the laws of the State of Delaware, without regard to its principles of conflicts of law.

8.12. Dispute Resolution. All disputes and differences which may arise out of or in connection with this Agreement will be settled as provided in Section 24 of the Partnership Agreement.

8.13. Exclusive Remedies. Other than actions for injunctive relief or for common law fraud or actions under other contracts among the parties hereto and their Affiliates, the remedies available to Buyer, Seller and KO under this Agreement constitute the sole and exclusive remedies of the parties against each other with respect to the Acquired Business.

IN WITNESS WHEREOF, each of the parties hereto has caused this Agreement to be executed on its behalf on the date first indicated above.

BUYER:

CCBC OF WILMINGTON, INC.

By: _____
David V. Singer
Vice President

SELLER:

CAROLINA COCA-COLA HOLDING COMPANY

By: _____
Timothy J. Doyle
Vice President

PARENT:

THE COCA-COLA COMPANY

By: _____
Lawrence R. Cowart
Vice President

**PARID: R04818-018-001-000**
**C C B C OF WILMINGTON INC** **1002 PRINCESS ST**

## Sales

| Sale Date | Sale Price | Grantee | Grantor | Book | Page | Sale Key |
|---|---|---|---|---|---|---|
| 03-MAR-99 | $0 | C C B C OF WILMINGTON INC | WILM COCA-COLA BOTTLING WORKS | 9811 | 1893 | 112316 |
| 06-SEP-85 | $0 | WILM COCA-COLA BOTTLING WORKS | WILM COCA-COLA BOTTLING | 1301 | 0191 | 112315 |
| 01-JAN-01 | $0 | WILM COCA COLA BOTTLING | * NOT IN SYSTEM * | 0254 | 0085 | 112314 |

## Sale Details

1 of 3

| | |
|---|---|
| Sale Date | 03-MAR-99 |
| Sale Key | 112316 |
| Sale Price | $.00 |
| Grantee | C C B C OF WILMINGTON INC |
| Grantor | WILM COCA-COLA BOTTLING WORKS |
| Sale Source | D-Deed Stamps (Unverified) |
| Book | 9811 |
| Page | 1893 |
| Sale Validity | U-Unqualified |
| Sale Type | VACANT |
| Sale Flag | |
| STEB | |
| Instrument # | |
| Instrument Type | Amendment of Merger |
| Adj. Reason | |
| Adj. Price | |
| Adj. Amount | |

**PARID: R04818-018-001-000**
**C C B C OF WILMINGTON INC** **1002 PRINCESS ST**

## Commercial

| | |
|---|---|
| Card | 1 |
| Building Number | 1 |
| Structure Code/Description | WHS-WHS |
| Improvment Name | |
| Units | 1 |
| Year Built | 1939 |
| Effective Year Built | 1970 |
| Grade | C |
| Class | I-IND |
| Other Improvements | |
| Other Imp Value | |
| Total Under Roof | 9900 |
| Building Factor | 1 |
| Percent Complete | % |
| Percent Good | 51.85% |
| Notes | |

## Other Feature Details

1 of 3

| | |
|---|---|
| Card | 1 |
| Int/Ext Line | 1 |
| Area | |
| Measurement 1 | 1 |
| Measurement 2 | 240 |
| Identical Units | 1 |

## Summary of Interior/Exterior Data

| Card | Line Number | Section | From Floor | To Floor | Area |
|---|---|---|---|---|---|
| 1 | 1 | 1 | 01 | 01 | 9,900 |

## Interior/Exterior Details

| | |
|---|---|
| Card | 1 |
| Line Number | 1 |
| Section | 1 |
| From Floor | 01 |
| To Floor | 01 |
| Area | 9,900 |
| Use Group | WHS |
| Class | |
| Physical Condition | A |
| Construction | 5-5 |
| Wall Height | 12 |
| Interior Wall | 2-2 |
| Air | 0-0 |
| Plumbing | 0-0 |
| Units | |
| Functional Depr. | |
| Economic Depr. | 85 |

## Summary of All Other Features

| Card | Int/Ext Line | Area |
|---|---|---|
| 1 | 1 | |
| 1 | 1 | |
| 1 | 1 | |

THE DATA IS FROM 2013

# APPENDIX B

# FIELD NOTES

CATLIN
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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Wed | DATE: 4/24/13 |
| | | WEATHER: 60s clear | |
| CATLIN PROJECT # : | 208069 | REPORT BY: R. Garrett | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: Norm | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE # : | START ODOMETER: | END ODOMETER: |
| 3:15 | 3:30 | Travel & get supplies | | |
| 3:30 | 4:30 | Locate Background borings for Underwood Surveying to locate on base map | | |
| | | | | |
| 4:30 | 4:45 | Travel Return | | |
| | | VEHICLE # : | START ODOMETER: | END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

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CATLIN
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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Thursday | DATE: 4-4-19 |
| | | WEATHER: mid 50's cloudy, rainy, windy | |
| CATLIN PROJECT # : | 208069 | REPORT BY: Corey Futral | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE # : | START ODOMETER: | END ODOMETER: |
| 0715 | 0730 | Travel from office to site | | |
| 0730 | 0830 | on site | | |
| | | Located SB 39 + 40 | | |
| | | Hand Auger both + sampled from 1' to 1.5' BLS | | |
| | | Soil Classification, OVA, prepped glassware, Samples on ice. | | |
| | | Called Ashley Nifong w/ Pace Analytical to coordinate sample | | |
| | | pick up | | |
| 0830 | 0845 | Travel from site to office | | |
| 0845 | 0900 | Demob | | |
| | | VEHICLE # : | START ODOMETER: | END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | (1) H.A. |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | 1 | Water Level Indicator | | PPE Level C or D | 1 | |

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# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Maint. Facility | | LOGGED BY: Corey Futral | BORING ID: SB-39 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: H.A. | METHOD: H.A. | 0 HOUR DTW: - | |
| START DATE: 9-4-13 | FINISH DATE: 4-4-13 | 24 HOUR DTW: - | |
| T.O.C. ELEV.: | BORING DEPTH: 1.5' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH / ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | *Grass @ top<br>Black to drk brown. f. SAND, tr roots in top 0.5' few rock also present @ depth. Uniform to Gap-Graded. Dry. | |
| | | | | | 0.0 | | SP | | | |
| 1 | | | | | | SB-39 (0800) | | | | |
| | | | | | | | | | Boring terminated @ 1.5' BLS in f. SAND. | |
| 2 | | | | | | | | | | |

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# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Maint. Facility | | LOGGED BY: Corey Futral | BORING ID: SB-40 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: H.A. | METHOD: H.A. | 0 HOUR DTW: - | |
| START DATE: 4-4-13 | FINISH DATE: 4-4-13 | 24 HOUR DTW: - | |
| T.O.C. ELEV.: | BORING DEPTH: 1.5' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH / ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | * Grass @ top | |
| | | | | | | | | | Black to drk brown, f. SAND, little to no roots in sample w/ tr. rocks @ depth. Uniform to Gap-Graded. Dry. | |
| | | | | | 0.0 | | SP | | | |
| 1 | | | | | | | | | | |
| | | | | | | SB-40 (0815) | | | | |
| | | | | | | | | | Boring terminated @ 1.5' BLS in f. SAND. | |
| 2 | | | | | | | | | | |

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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Th | DATE: 3/28 |
| | | WEATHER: clear 50s | |
| CATLIN PROJECT # : | 208069 | REPORT BY: R. Garrett | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: Ben Ashbe | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE #: Personal | START ODOMETER: | END ODOMETER: |
| | | Goal: GPS last boring locations look @ location for 1-2 borings | | |
| 2:20 | 2:35 | Travel | | |
| | | GPS new boring locations, utilities along Princess & roadway for site map enlargement. | | |
| | | | | |
| ~~3:10~~ | ~~4:00~~ | Photographed inside & outside for RI Report | | |
| 3:10 | 4:00 | Travel to ILM office | | |
| | | | | |
| | | VEHICLE #: | START ODOMETER: | END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Thur | DATE: 3/7/13 |
| | | WEATHER: Clear windy | |
| CATLIN PROJECT # : | 208069 | REPORT BY: Rick Garrett | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: Bill Miller | |
| SUBCONTRACTORS: | — | | |

| TIME | | ACTIVITY | | | |
|---|---|---|---|---|---|
| START | STOP | VEHICLE #: 38 | START ODOMETER: 92097 | END ODOMETER: 92110 | |
| 11:15 | 11:25 | Travel | | | |
| | | | | | |
| OVA PPM 11:25 | | Start sampling SB-32 Beside western gate | | | |
| | 0 | Grass | | | |
| 0 | | Sand med-dk Brown - FGR, mw sorted | | | |
| 0 | 1' | | | | |
| 0 | * | Sand med-dk Brown mix FGR, mw sorted, some gravel size brick (sampled | | | |
| | | (Sampled SB-32 (1-1.5') 11:40 AM) | | | |
| | | | | | |
| 11:50 | 0 | SB-33 SE corner | | | |
| 0 | .5 | Gravel sand mix med gray - buff FGR | | | |
| 0 | 1' | Sand/silt dk Brown - FGR sl. moist Sampled SB-33 (.5-1) 11:56 | | | |
| | | | | | |
| | 0' | SB-34 NE corner inside fence | | | |
| | .5 | Gravel w/sand med gray FGR sand - 1" gravel | | | |
| | 1 | Gravel w/sand As above | | | |
| 151 | 1-1.25 | Sand med brown FGR w/ some Gravel (collected SB 34 (1-1.25) 12:19 | | | |
| 442 | 1.25-2 | sand med-dk Brown FGR very moist - wet | | | |
| | | | | | |
| | 0 | SB-35 NE Corner of Bldg outside fence by sidewalk in Grass | | | |
| 0 | .5 | Sand/silt dk Brown VFGR | | | |
| 0 | 1' | Sand/silt As Above | | | |
| 0 | 1.5 | Sand/silt w/some gravel collected SB-35 (1-1.5) @ 12:38 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | VEHICLE #: | START ODOMETER: | END ODOMETER: | |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Thur | DATE: 3/7/13 |
| | | WEATHER: clear windy | |
| CATLIN PROJECT # : | 208069 | REPORT BY: Rick Garrett | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: Bill Miller | |
| SUBCONTRACTORS: | | | |

| TIME START | TIME STOP | ACTIVITY | | |
|---|---|---|---|---|
| | | VEHICLE #: 38 | START ODOMETER: | END ODOMETER: |
| | | | | |
| OVA | | | | |
| | | SB 36 N boring in Carolina Carburator Parking lot in Asphalt | | |
| | 0 | cored Asphalt 3-4" thick | | |
| 488 | .5 | Sand orange FGR mw sorted (Fill) | | |
| 310 | 1 | Sand med Brown VFGR-FGR mw sorted | | |
| 266 | 1.5 | Sand med Brown VFGR-FGR mw sorted Sampled SB-36(1-1.5) 12:58 PM | | |
| | | | | |
| | | | | |
| | | SB-37 Center Boring in CC Pkg lot in Asphalt | | |
| | 0 | cored asphalt 2-3" thick | | |
| 0 | .75 | Sand w/ clay yellow orange & gravel | | |
| 0 | .75-1.0 | Sand w/ silt dk Brown FGR | | |
| 0 | 1.0-1.5 | Sand w/ silt dk Brown FGR some septic odor | | |
| | | collected SB-37 (1-1.5) 13:20 | | |
| | | | | |
| | | SB-38 S. boring in CC Pkg lot in Asphalt near SW drain | | |
| | 0 | cored Asphalt ~2" thick | | |
| 0 | .5 | Sand w/ gravel Dk Brown FGR asphaltic odor | | |
| 0 | .5-1 | Sand w/ silt Dk Brown-Black FGR mod sorted damp | | |
| 0 | 1-1.5 | Sand w/ silt Dk Brown-Black FGR mod sorted v/moist | | |
| | | Collected SB-38(.5-1) 13:45 | | |
| | | | | |
| | 2:05 | Cleaned up lot & went to Carolina Carburator to give Mr Coffin a Card | | |
| | 2:20 | ILM office | | |
| | | | | |
| | | VEHICLE #: | START ODOMETER: | END ODOMETER: 92110 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Wed | DATE: 3/6/13 |
| | | WEATHER: Clear windy! | |
| CATLIN PROJECT # : | 208069 | REPORT BY: R. Garrett | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: — | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE #: 42 | START ODOMETER: 133392 | END ODOMETER: 133 409 |
| 12:15 | 12:35 | Travel | | |
| 12:35 | 1:30 | Measure & lay out proposed boring locations | | |
| 1:30 | | left site to office | | |
| | | 704 904 0184 Doug Leonard cell # | | |
| | | | | |
| | 2:00 | Call Doug Leonard Agreed on # of borings & approach | | |
| | | I will look @ some boring Results North & | | |
| | | West of Garage to see if can use their results | | |
| | | instead of an shallow borings in that area | | |
| | | | | |
| | | I will Go by next door & discuss Right of Entry w/ | | |
| | | Mr Cottle. | | |
| | | Met w/ Mr Cottle had lengthy discussion he agreed to | | |
| | | ROE & signed our ROE agreement | | |
| | | Met w/ Earth Link fiber optics locator Patrick & | | |
| | | Piedmont natl gas locator Clyde & Cleared boring location | | |
| | | along Princess | | |
| 4:00 | 4:15 | Travel to Ilm office | | |
| | | | | |
| | | Called Doug Leonard left Voice message that Mr Cottle | | |
| | | wants copy of results for samples on his property | | |
| | | | | |
| | | Mr Cottle says his property used to be a Chrysler dealership | | |
| | | & Dollar General property use to be a gas station | | |
| | | | | |
| | | | | |
| | | | | |
| | | VEHICLE #: | START ODOMETER: | END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Thursday | DATE: 14 Feb 13 |
| | | WEATHER: Clear, 50's | |
| CATLIN PROJECT #: | 208069 | REPORT BY: Larry Wessell | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: Tommy Chalmers | |
| SUBCONTRACTORS: | | | |

| TIME START | TIME STOP | ACTIVITY |
|---|---|---|
| | | VEHICLE #: 46 START ODOMETER: END ODOMETER: |
| | | • Travel to site |
| | | • Call utility locator for samples SB-20, 21, 22 |
| | | • Start core drill on SB-29 |
| | 1000 | - sample taken, decon auger (2.5' BLS concrete) |
| | | • Start core drill on SB-31 |
| | 1030 | - sample taken, decon auger (2.5' BLS concrete) |
| | | • Start core drill on SB-30 |
| | 1105 | - sample taken, decon auger (2.0' BLS concrete) |
| | | • Hand auger SB-21 |
| | 1135 | - sample taken, decon auger (1.2' BLS) |
| | | • Core drill on SB-22 |
| | 1155 | - sample taken decon auger (2.0' BLS concrete) |
| | 1210 | • Hand auger SB-20 (1.2' BLS) |
| | 1230 | • Hand auger SB-27 (1.3' BLS) |
| | 1245 | • Hand auger SB-26 (1.2' BLS) |
| | 1300 | • Hand auger SB-25 (1.2' BLS) |
| | 1310 | • Hand auge SB-24 (1.2' BLS) |
| | 1320 | • Hand auger SB-23 (1.2' BLS) |
| | 1255 | • Hand auger SB-28 (1.2' BLS) |
| | | VEHICLE #: START ODOMETER: END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Monday | DATE: 1-7-13 |
| | | WEATHER: 50's Clear | |
| CATLIN PROJECT # : | 208069 | REPORT BY: Corey Futral | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: Josh O'Connell | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE # : | START ODOMETER: | END ODOMETER: |
| 1015 | 1045 | Travel from office to site stop via Stevenson Hardware for hand Auger clips. | | |
| 1045 | 1500 | on site (Tailgate meeting) | | |
| | | - changed locks on garage door | | |
| | | - utilities ok | | |
| | | - H.A. remaining soil borings, OVA, soil classification prepped glassware took soil samples. | | |
| | | - Called Tommy to bring more gallon Ziplock bags + sand to backfill | | |
| | | - Backfilled all borings | | |
| | | - Had to move SB 26, 27, + 28 5' from proposed due to grand fill. | | |
| | | - Backfilled SB-22 w/ grout. | | |
| | | - cleaned up site / filled out COC + iced samples. | | |
| 1500 | 1515 | Travel from site to office | | |
| | | VEHICLE # : | START ODOMETER: | END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | (1) Hand Auger |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | 1 | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | 1 | Water Level Indicator | | PPE Level C or D | 2 | |

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# CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208069 | STATE: NC | COUNTY: New Hanover | CITY Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Corey Futral | BORING ID: SB-23, 24, -25 |
| | | DRILLER: Josh O'Connell | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: H.A. | 0 HOUR DTW: | |
| START DATE: 1-7-13 | FINISH DATE: 1-7-13 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH / ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| | SB- | 23 | | | | | | | | |
| 0 | | | | | | | | | lt. gray gravel fill. med. brown f. SAND. ~~trifari~~ moist. well graded gravel. | |
| | | | | | 0.1 | | | | | |
| 1 | | | | | | | | | S.A.A. f. to med. SAND. Gap-Graded. | |
| 2 | | | | | 0.0 | | | | | |
| | | | | | | SB-23 (2-3') | | | S.A.A. f. SAND. Gap Graded, with various gravel. M. to wet. | |
| 3 | | | | | 0.0 | 1115 | | | | |
| | | | | | | | | | S.A.A. wet to Sat. | |
| 4 | | | | | 0.0 | | | | | |
| | SB- | 24 | C | 4.5' | Saturated. | | | | | |
| 0 | | | | | | | | | lt. gray gravel fill ⇒ med. brown. f. SAND. Moist. well graded due to gravel & red bricks present. | |
| 1 | | | | | 0.0 | | | | | |
| | | | | | | | | | S.A.A. to black f. SAND. M. to wet. | |
| 2 | | | | | 0.0 | | | | | |
| | | | | | | SB-24 (2-3') | | | Black f. SAND w/ tr. glass frags. Gap-Graded. wet. | |
| 3 | | | | | 1.3 | 1130 | | | | |
| | | | | | | | | | S.A.A. no glass but various sized rock fragments. | |
| 4 | | | | | 0.7 | | | | | |
| | SB- | 25 | | | | | | | | |
| 0 | | | | | | | | | Gravel / asphalt well-graded. f. SAND lt. brown. Gap-Graded. Moist | |
| 1 | | | | | 0.0 | | | | | |
| | | | | | | SB-25 (2-3') | | | S.A.A. M. to wet | |
| 2 | | | | | 0.0 | 1135 | | | | |
| | | | | | | | | | SATURATED. Black silty f. SAND. Gap-graded. w/ gravel / rocks. | |
| 3 | | | | | 0.0 | | | | | |
| 4 | | | | | 0.0 | | | | | |

# CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208069 | STATE: NC | COUNTY: New Hanover | CITY Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Corey Fitzel | BORING ID: SB-26, -27, -28 |
| | | DRILLER: Josh O'Connell | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: H.A. | 0 HOUR DTW: | |
| START DATE: 1-7-13 | FINISH DATE: 1-7-13 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| | SB-26 moved boring 5' WSW of original | | | | | | | | | |
| 0 | | | | | | SB-26 (0-1') | | | med. gray Gravel fill / Black Silty f. SAND. Well-Graded wet. | |
| 1 | | | | | 0.3 | 1200 | | | * Terminated @ 1'. Soil below 1' saturated. | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | SB-27 @ 2' Saturated, moved 5' WSW | | | | | | | | Black to med brown f. SAND w/gravel Well-Graded. wet. | |
| 0 | | | | | | | | | | |
| 1 | | | | | 9.4 | | | | | |
| 2 | | | | | 9.5 | SB-27 (1-2') 1215 | | | S.A.A. Saturated | |
| 3 | | | | | 10.2 | | | | Black. f. SAND tr. silt + gravel Gap-Graded. Sat. | |
| 4 | | | | | 9.7 | | | | S.A.A. | |
| | SB-28 | | | | | | | | | |
| 0 | | | | | | | | | | |
| 1 | | | | | 0.2 | SB-28 (0-1') 1230 | | | Black f. SAND. tr. silt. glass + red brick present. Gap-Graded. wet. | |
| 2 | | | | | 0.8 | | | | S.A.A. no glass or brick grading to med tan. f. SAND. Uniform. SAT. | |
| 3 | | | | | 2.8 | | | | S.A.A. med. gray tr. root @ depth. | |
| 4 | | | | | 2.7 | | | | S.AA. no roots. | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208069 | STATE: NC | COUNTY: New Hanover | CITY Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Corey Futral | BORING ID: |
| | | DRILLER: Josh O'Connell | SB-20,-21,-22 |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: H.A. | 0 HOUR DTW: | |
| START DATE: 1-7-13 | FINISH DATE: 1-7-13 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH | ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | SB-22 | | | | 0.6" | of asphalt | | | Dk. brown to gray f. SAND. tr. silt. Uniform. wet. | | |
| 0 | | | | | | | | | | | |
| 1 | | | | | 0.0 | | | | | | |
| | | | | | | | | | S.A.A. | | |
| | | | | | 0.0 | | | | | | |
| 3 | | | | | 0.0 | SB-22 (2-3) 1345 | | | S.A.A. | | |
| 4 | | | | | 0.0 | | | | S.A.A. tr. root. | | |
| | SB-21 | | | | | | | | | | |
| 0 | | | | | | | | | Black to dk. brown Silty f. SAND. Uniform. Moist. | | |
| 1 | | | | | 0.0 | | | | | | |
| 2 | | | | | 0.0 | | | | S.A.A. | | |
| 3 | | | | | 0.0 | SB-21 (2-3) 1400 | | | S.A.A wet | | |
| 4 | | | | | 0.0 | | | | S.A.A. saturated. | | |
| | SB-20 | | | | | | | | Dk. black Silty f. SAND. Uniform. moist. | | |
| 0 | | | | | | | | | | | |
| 1 | | | | | 0.0 | | | | | | |
| 2 | | | | | 0.0 | | | | lt. gray w/ blacks f. SAND w/ silt. Uniform moist | | |
| 3 | | | | | 0.0 | SB-20 (2-3) 1430 | | | Black w/ lt. gray s. f. SAND w/ silt. Uniform. wet. | | |
| 4 | | | | | 0.0 | | | | Dk. brown. f. SAND. w/ silt. Uniform wet / sat. | | |

CATLIN
Engineers and Scientists

# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Thursday | DATE: 1-3-13 |
| | | WEATHER: Low 50's Rain | |
| CATLIN PROJECT # : | 208069 | REPORT BY: Corey Futral | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: | Josh O'Connell |
| SUBCONTRACTORS: | | | |

| TIME START | TIME STOP | ACTIVITY |
|---|---|---|
| | | VEHICLE # : START ODOMETER: END ODOMETER: |
| 0800 | 0845 | Mob |
| 0845 | 0900 | Travel from office to site |
| 0900 | 0930 | on site waited for Paul Mclaughlin to bring keys for new |
| | | locks. Adviced would return all keys to him once finished w/ job. |
| 0930 | 1400 | Cored SB-29,30 & 31 |
| | | - used hand auger on borings ⇒ 4' BLS |
| | | - soil classification, OVA |
| | | - prepped glassware and sampled per appropriate parameters. |
| | | SAMPLE: TIME: Analysis: |
| | | SB-30 (2-3') 1325 8270, 7471 |
| | | SB-31 (2-3') 1320 8270, 6020 |
| | | SB-29 (2-3') 1340 8270 |
| | | After sampling Complete backfilled borings w/ sand + cement |
| | | used mop to clean up site. |
| 1400 | 1415 | Travel from site to office |
| 1415 | 1430 | DMOB |
| | | - put samples in refgirator till tomorrow to ship all off @ |
| | | one time |
| | | VEHICLE # : START ODOMETER: END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | 1 - Core machine w/ |
| Generator | | Redi-Flo Pump | | Bailers | | 4" barrell. |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | 1 - hand auger |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | 1 | Water Level Indicator | | PPE Level C or D | 2 | |

Approval of data for final report can only be made by CATLIN Engineers and Scientists and cannot be conveyed on this form.
This is a field copy and is subject to review and revision.

# CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: | BORING ID: SB-29, SB-30, SB-31 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: H.A. | METHOD: H.A. | 0 HOUR DTW: N/A | |
| START DATE: 1-3-13 | FINISH DATE: 1-3-13 | 24 HOUR DTW: N/A | |
| T.O.C. ELEV.: | BORING DEPTH: all 4' | WELL DEPTH: N/A | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH / ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| | SB-31 | | | | | | | | | |
| 0 | | | | | | | | | 0-0.5" Concrete core | |
| | | | | | 1.2 | | SP | | lt to med brown f SAND. Uniform. Moist to wet. | |
| 1 | | | | | | | SP | | Black. f. SAND tr. silt Gap-Graded. Moist to wet. w/ tr. rock fragments. | |
| 2 | | | | | 1.3 | | | | | |
| | | | | | | | SP | | S.A.A. no rocks. Uniform | |
| 3 | | | | | 1.3 | | | | | |
| | | | | | | | SP | | S.A.A. | |
| 4 | | | | | 1.5 | | | | | |
| | SB-30 | | | | | | | | | |
| 0 | | | | | | | | | 0-0.6" Concrete core. | |
| | | | | | | | SW | | lt. to med brown f. SAND. Gap-Graded. | |
| 1 | | | | | 2.8 | | | | moist. w/ various sized rocks | |
| | | | | | | | | | Black. f. SAND. Gap-Graded. Moist to | |
| 2 | | | | | 1.9 | | SW | | wet. w/ red brick chunks presents | |
| | | | | | | | | | S.A.A. | |
| 3 | | | | | 2.2 | | SW | | | |
| | | | | | | | | | S.A.A. | |
| 4 | | | | | 2.4 | | SW | | | |
| | SB-29 | | | | | | | | | |
| 0 | | | | | | | | | 0-0.6" Concrete Core | |
| | | | | | | | SW | | med brown to black f. SAND w/ rock fragments. | |
| 1 | | | | | 2.8 | | | | Gap-Graded. Moist to wet. | |
| | | | | | | | | | S.A.A. no rocks. Uniform. | |
| 2 | | | | | 2.9 | | SP | | | |
| | | | | | | | | | Dk. gray to black f. SAND w/ silt. wet. Uniform | |
| 3 | | | | | 2.8 | | SP | | | |
| | | | | | | | | | Black. f. SAND w/ silt. uniform. Saturated. | |
| 4 | | | | | 1.7 | | SP | | | |

CATLIN
Engineers and Scientists

Post Office Box 10279
220 Old Dairy Road
Wilmington, NC 28404-0279
Telephone: (910) 452-5861
Fax: (910) 452-7563

## FLAME/PHOTO IONIZATION DETECTOR
## CALIBRATION LOG

**Date:** 1-3-13
**Time:** 1500
**Model:** MiniRAE 2000
**Serial #:** 110-009644
**Project Name:** Coca-Cola Vehicle Maint. facility
**Project No.:** 208069

**This Unit Contains:**
**Manual Probe** _____
**Battery** _____
**Charger** _____
**Regulator** _____
**Other** _____

**Fresh Air Calibration** — **Raw Reading:** 0.0 ppm
**Isobutylene Calibrated to 100 ppm (PID)** — **Raw Reading:** 105 ppm
**Methane Calibrated to 500 ppm (FID)** — **Raw Reading:** _____

**Span Setting:** 100 ppm
**Kit Contained:** Isobutylene

**Gas Lot#:** 0418FF11

**Comments:** _____

**Technician:** Corey Futral

CATLIN
Engineers and Scientists

# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Wednesday | DATE: 1-2-13 |
| | | WEATHER: mid 50's Rain | |
| CATLIN PROJECT # : | 208069 | REPORT BY: Corey Futral | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: | Josh O'Connell |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE #: | START ODOMETER: | END ODOMETER: |
| 1100 | 1115 | Travel from office to site stop via sunbelt for 4" core barrell. | | |
| 1115 | 1215 | On site | | |
| | | - Could not access garage door to core; New locks on door. | | |
| | | - Also layed out 9 additional borings for tomorrow. | | |
| 1215 | 1230 | Travel. | | |
| | | VEHICLE #: | START ODOMETER: | END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | Core machine w/ 4" core barrell. |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | 2 | |

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CATLIN
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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Tuesday | DATE: 6/5/12 |
| | | WEATHER: Cloudy, rainy ≈ 65° | |
| CATLIN PROJECT # : | 208069 | REPORT BY: Corey Futral | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: Bill Miller | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE #: 24 | START ODOMETER: 212464 | END ODOMETER: 212470 |
| 0800 | 0830 | MoB | | |
| 0830 | 0845 | Travel to site | | |
| 0845 | 0920 | Set up on site to hand Auger + core Concrete | | |
| 0920 | 1420 | Hand Auger SB 4-2, SB 7-2, SB 8-2, SB 10-2, SB 11-2 and | | |
| | | SB 13-18 + sampled all Borings. | | |
| | | · 1 4oz jar each hole (SB 13 + SB 18 ; 2). | | |
| | | · SB 14-17 ; total 3 4oz jar (Held 2) for lab. | | |
| | | 3 40ml Sod Bi | | |
| | | 1 40ml meth. | | |
| | | Cored SB 4-2, SB 8-2, SB 10-2, SB 11-2 + SB 14-18 | | |
| 1420 | 1500 | Cleaned up site packed up cemented Holes. | | |
| 1500 | 1515 | Travel Back to shop | | |
| 1515 | 1530 | DMoB | | |
| | | VEHICLE #: 24 | START ODOMETER: 212470 | END ODOMETER: 212477 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | ✓ | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | ✓ | |

Approval of data for final report can only be made by CATLIN Engineers and Scientists and cannot be conveyed on this form.
This is a field copy and is subject to review and revision.

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: type here | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: type here | | LOGGED BY: Corey Futral | BORING ID: SB4-2 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH | ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | Med. Brown grading to Dk. Brown. F. SAND w/ unknown pres. Uniform. Dry | | |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: Corey Futral | BORING ID: SB-07-02 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | |
| | | | | | | | SP | | Med to Dk. Brown F SAND. Uniform wet. Trace Brick in Sample | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: type here | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: type here | | LOGGED BY: Corey Fitzal | BORING ID: SB08-2 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH | ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | Dk. Brown F. SAND. Uniform. Dry | | |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: Corey Futral | BORING ID: SB10-2 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH | ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | SP | | Med Brown to Dk Brown F SAND w/ red brick. Uniform. Dry. | | |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: Corey Futral | BORING ID: SB 11-2 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | |
| | | | | | | | SP | | Dk Brown to Black. F. SAND. Uniform Dry. | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: Corey Futral | BORING ID: 0 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | SB 14 |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | Dk. Brown to Black. F. SAND. trace glass. | |
| | | | | | | | SP | | Uniform. Dry | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: Corey Futral | BORING ID: SB15 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH / ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | |
| | | | | | | | SP | | Black. F. SAND w/ Red brick. Uniform Dry | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: Corey Futral | BORING ID: SB16 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH | ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | | |
| | | | | | | | SP | | Black. F. SAND. Uniform. Moist | | |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: Corey Ferral | BORING ID: SB17 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: – | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH | ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | SP | | Dk Brown F. SAND w/ red brick. Uniform. Dry | | |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | | | | | | | | | | | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: type here | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: type here | | LOGGED BY: Corey Futral | BORING ID: SB18 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | |
| | | | | | | | SP | | Red brown grading to Dk. Brown. F. SAND. w/ red brick. Uniform. Moist. | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: Corey Futral | BORING ID: SB-19 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: | METHOD: Hand Auger | 0 HOUR DTW: | |
| START DATE: 6/5/12 | FINISH DATE: 6/5/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 2' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH / ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | | |
| | | | | | | | | SP | Dk. Brown to Black F. SAND. w/ brick and Shale. Grap. Graded. Moist. | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |

CATLIN
Engineers and Scientists

# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Bottling Co. | DAY: Friday | DATE: 4/20/12 |
| | | WEATHER: Cloudy wet mild | |
| CATLIN PROJECT # : | 208-069 | REPORT BY: Corey Futral | |
| CLIENT'S NAME: | Coco-Cola Bottling Co. | CATLIN CREW: Bill Miller | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE #: 32 | START ODOMETER: 58192 | END ODOMETER: 58205 |
| 8:00 | 8:10 | MOB | | |
| 8:10 | 8:20 | Travel I-20 to Coca-Cola downtown | | |
| 8:20 | 9:30 | used Power probe for 5 samples on Coca-Cola site testing | | |
| | | for various metals. (BG1 - BG5) 4' samples | | |
| | | Used samples for 6010C 6020A 7471B + reagent for hexavalent | | |
| | | & trivalent chrome speciation. | | |
| | | Had to get Tommy to bring liners for probe + hole plug | | |
| | | BG1 - 8:45 | | |
| | | BG2 - 8:52 | | |
| | | BG3 - 9:00 | | |
| | | BG4 - 9:09 | | |
| | | BG5 - 9:14 | | |
| | | Drilled 2 piezometers on site w/ BG4 + BG5 | | |
| 9:30 | 9:40 | Travel back to office. | | |
| 9:40 | 10:00 | DMOB | | |
| 10:00 | 11:30 | Described samples prepped bottles and prepared samples for SGS | | |
| | | VEHICLE #: | START ODOMETER: | END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

Approval of data for final report can only be made by CATLIN Engineers and Scientists and cannot be conveyed on this form.
This is a field copy and is subject to review and revision.

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: ~~Steven Hudson~~ Corey Fultral | BORING ID. BG-1 |
| | | DRILLER: D. ~~Thomas Chalmers~~ | |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: 4/20/12 | FINISH DATE: 4/20/12 | TIME: 8:45 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | Gravel |
| 0.5 | | | | | | | |
| 1.0 | | | | | | | |
| 1.4 | | | | | | | |
| 1.5 | | | | | | | DK Brown Dry poorly sorted Fine SAND |
| 2.0 | | | | | | | |
| 2.5 | | | | | | | Black Dry poorly sorted Fine to VF SAND w/ trace silts |
| 3.0 | | | | | | | |
| 3.5 | | | | | | | Mixture of SAA and lt. gray poorly sorted Fine Dry SAND |
| 3.8 | | | | | | | Black Dry poorly sorted Find silty SAND. |
| 4.0 | | | | | | | DK Brown wet poorly sorted Fine SAND w/ trace silts. |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0555

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: ~~Steven Hudson~~ Corey Futral | BORING ID. BG-2 |
| | | DRILLER: D. ~~Thomas Chalmers~~ | |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: 4/20/12 | FINISH DATE: 4/20/12 | TIME: 8:52 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | |
| | | | | | | | Void |
| 0.5 | | | | | | | |
| 1.0 | | | | | | | |
| 1.3 | | | | | | | Black Topsoil |
| 1.5 | | | | | | | |
| 2.0 | | | | | | | Dk Black Dry Fine poorly sorted SAND |
| 2.4 | | | | | | | |
| 2.5 | | | | | | | Dk Orange Dry VF poorly sorted |
| 2.8 | | | | | | | |
| 3.0 | | | | | | | Dk Black Dry Fine poorly sorted SAND |
| 3.3 | | | | | | | |
| 3.5 | | | | | | | Mixture SAA w/ lt. gray Dry Fine poorly Sorted SAND |
| 3.8 | | | | | | | |
| 4.0 | | | | | | | Dk Black Dry Fine poorly sorted SAND w/ trace silt. |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: ~~Steven Hudson~~ Crew Total | BORING ID. 3G-3 |
| | | DRILLER: D. ~~Thomas Chalmers~~ | |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: 4/20/12 | FINISH DATE: 4/20/12 | TIME: 9:00 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | VOID |
| 0.5 | 0.7 | | | | | | Black Topsoil w/ grass + pieces of glass |
| 1.0 | 1.2 | | | | | | lt Brown Dry Fine to VF poorly sorted SAND |
| 1.5 | 1.10 | | | | | | |
| 2.0 | 2.3 | | | | | | Dk Brown w/ lt tan Dry Fine to V.F. mod. sorted SAND w/ trace silt |
| 2.5 | | | | | | | Med. Brown to orange Dry Fine poorly sorted SAND |
| 3.0 | 3.2 | | | | | | |
| 3.5 | | | | | | | lt tan Dry Fine poorly sorted SAND |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0586

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: ~~Steven Hudson~~ Grey Fitzal | BORING ID. BG-4 |
| | | DRILLER: ~~D. Thomas Chalmers~~ | |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: 4/20/12 | FINISH DATE: 4/20/12 | TIME: 9.09 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | |
| 0.5 | | | | | | | VOID |
| 0.9 | | | | | | | |
| 1.0 | | | | | | | Gravel / lt gray topsoil. |
| 1.4 | | | | | | | |
| 1.5 | | | | | | | Med + Dk Brown Dry Fine to VF mod. sorted SAND w/ trace silt. |
| 2.0 | | | | | | | |
| 2.5 | | | | | | | Black Dry VF poorly sorted Sandy SILT some wood present near 3' mark. |
| 3.0 | | | | | | | |
| 3.5 | | | | | | | Dk gray grading to lt gray: Dk material wet Fine mod. sorted. Silty Sand. lt. material wet Fine mod. sorted silty Sand |
| 3.8 | | | | | | | |
| 4.0 | | | | | | | Black Some wood present wet Fine mod. sorted silty Sand |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: Corey Futral | BORING ID: BG-5 9:14 |
| | | DRILLER: | |
| NORTHING: | EASTING: | CREW: | |
| BORING LOCATION: | | | |
| DRILL MACHINE: Power Probe | METHOD: Direct Push | 0 HOUR DTW: | |
| START DATE: 4/20/12 | FINISH DATE: 4/20/12 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 4' | WELL DEPTH: | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH | ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | | | VOID | | |
| 1 | | | | | | | | | Gravel | | |
| 1.5 | | | | | | | | | | | |
| 2 | | | | | | | | | Dk Brown Dry Fine to VF poorly sorted SAND w/ trace silt. | | |
| 2.4 | | | | | | | | | Lt Brown grading to Dk Brown: Lt - Dry Fine to V.F. poorly sorted silty - SAND Dk - ~~dry~~ Fine to VF p. sorted silty SAND | | |
| 3 | | | | | | | | | | | |
| 3.7 | | | | | | | | | | | |
| 4 | | | | | | | | | mixture of Lt Brown + Dk Brown all wet Fine poorly sorted SAND w/ trace silt. silty SAND | | |
| | | | | | | | | | Dk Brown wet Fine to VF mod sorted Sandy SILT. | | |

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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Thur | DATE: 4/19/12 |
| | | WEATHER: | |
| CATLIN PROJECT # : | 208069 | REPORT BY: | R. Garrett |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: | Bill Miller |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE # : | START ODOMETER: | END ODOMETER: |
| | | Goal | | |
| | | Need to collect soil samples for background analysis | | |
| | | of metals (5) samples 2-3' BLS | | |
| | * | Submit for ① 6010C ② 6020A ③ 7471B w/ ④ request for hexavalent | | |
| | | and trivalent chrome speciation | | |
| | | | | |
| | Analyses | Total metals + Hg | | |
| | | 6010C Cd Cr Mn Zn | | |
| | | 6020A Sb As Be Cu Pb, Ni Se Ag Tl | | |
| | | Note Cr speciation for 5 background samples not included in | | |
| | | Lab costs | | |
| | | | | |
| | | Located borings | | |
| | | BG-1 NW corner of Northern parking lot 8' South of fence @ bldg cut out line | | |
| | | BG-2 in grass area on N side of bldg across 10th from Garage | | |
| | | 15' N of bldg in. | | |
| | | BG-3 located in grass island along 10th street East of loading dock | | |
| | | BG-4 located in Gravel parking lot South of garage in SE corner | | |
| | | BG 5 " " " " " in SW corner | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | VEHICLE # : | START ODOMETER: | END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Wednesday | DATE: 9-14-11 |
| | | WEATHER: clear @ 80-90s | |
| CATLIN PROJECT # : | 208069 | REPORT BY: J. Heter | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: — | |
| SUBCONTRACTORS: | — | | |

| TIME START | TIME STOP | ACTIVITY |
|---|---|---|
| | | VEHICLE #: 36 START ODOMETER: 157820 END ODOMETER: 157832 |
| 1100 | 1115 | Travel to SGS from office, then to site. |
| 1115 | | On-site. |
| | | Took equipment rinse sample - "Equip. Rinse" at 1200 for 8270 & 6200B |
| | | Used geopump to sample MW-01 & MW-02. |
| | | Used YSI to aquire equalized sample. |
| | | Used turbidity meter to monitor turbidity. |
| | | Both wells had turbidity less than 10, |
| | | so samples taken once equalized. |
| | 1500 | Left site. |
| 1500 | 1545 | Travel from site to SGS + back to office. |
| | | VEHICLE #: 36 START ODOMETER: 157832 END ODOMETER: 157849 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | 1 | GPS Unit | | Turbidity meter |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | 1 | Sampling Supplies | 1 | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | 32' | |
| PID/FID Meter | | Water Level Indicator | 1 | PPE Level C or D | 1 | |

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CATLIN Engineers and Scientists
WILMINGTON, NORTH CAROLINA

# LOW FLOW FIELD MEASUREMENTS

CATLIN PROJECT: Coca-Cola Vehicle Maint Facility
CATLIN PROJECT # : 208069
CLIENT'S NAME: Coca-Cola

LOGGED BY: J. Heter
DATE: 9-14-11

**Monitoring Well ID =** MW-01 **DATE SAMPLED:** 9-14-11

| Actual Time (hr:min) | Change in Time (min.) | pH (Standard Units) | Conductivity (us/cm) | Temperature (C) | Redox-Potential (mv) (if required) | ~~Visual Turbidity Classification*~~ D.O. mg/L | Depth to Groundwater (Feet BLS) |
|---|---|---|---|---|---|---|---|
| 1352 | 0 | No measurement at 0. | | | | | 3.95 |
| 1357 | 5 | 6.14 | 0.301 | 26.32 | -174.5 | 1.23 | |
| 1402 | 10 | 6.18 | 0.307 | 26.40 | -142.8 | 0.87 | |
| 1407 | 15 | 6.20 | 0.312 | 26.40 | -126.8 | 0.73 | |
| 1412 | 20 | 6.21 | 0.317 | 26.41 | -139.0 | 0.62 | |
| 1417 | 25 | 6.21 | 0.318 | 26.41 | -141.2 | 0.60 | |
| | 30 | | | | | | |
| | 35 | | | | | | |
| | 40 | | | | | | |
| | 45 | | | | | | |
| | 50 | | | | | | |
| | 55 | | | | | | |
| | 60 | | | | | | |
| | | | | | | | |
| Average Flow Rate = GPM | | | | | | | |
| Approximate Volume Removed = Gallons | | | | | | | |
| | | | | | | | |

Sampled @ 1420

Turbidity Reading = 3.54

pH = +/- 0.1 standard pH units
Conductivity = +/- 3%
Temperature = +/- 10%
Redox Potential = +/- 10 mv
GPM = Gallons Per Minute

* Turbidity - Indicate if clear, slightly turbid, moderately turbid or highly turbid.

Note: Following water quality meter was used: _____

CATLIN Engineers and Scientists
WILMINGTON, NORTH CAROLINA

# LOW FLOW FIELD MEASUREMENTS

CATLIN PROJECT: Coca-Cola Vehicle Maint Facility
CATLIN PROJECT # : 208069
CLIENT'S NAME: Coca-Cola

LOGGED BY: J. Heter
DATE: 9-14-11

**Monitoring Well ID =** MW-02 **DATE SAMPLED:** 9-14-11

| Actual Time (hr:min) | Change in Time (min.) | pH (Standard Units) | Conductivity (us/cm) | Temperature (C) | Redox-Potential (mv) (if required) | ~~Visual Turbidity Classification*~~ D.O. mg/L | Depth to Groundwater (Feet BLS) |
|---|---|---|---|---|---|---|---|
| 1205 | 0 | No measurement at 0. | | | | | 6.50 |
| 1210 | 5 | 6.19 | 0.286 | 27.85 | -167.6 | 0.81 | |
| 1215 | 10 | 6.21 | 0.275 | 28.09 | -170.6 | 0.79 | |
| 1220 | 15 | 6.21 | 0.273 | 27.96 | -175.8 | 0.85 | |
| 1225 | 20 | 6.21 | 0.274 | 27.94 | -176.2 | 0.64 | |
| 1230 | 25 | 6.21 | 0.271 | 27.90 | -184.9 | 0.62 | |
| | 30 | | | | | | |
| | 35 | | | | | | |
| | 40 | | | | | | |
| | 45 | | | | | | |
| | 50 | | | | | | |
| | 55 | | | | | | |
| | 60 | | | | | | |
| | | | | | | | |

Average Flow Rate = GPM

Approximate Volume Removed = 2 Gallons

pH = +/- 0.1 standard pH units
Conductivity = +/- 3%
Temperature = +/- 10%
Redox Potential = +/- 10 mv
GPM = Gallons Per Minute

Sampled @ 1230

Turbidity reading = 3.29

Dup. taken @ 1232

* Turbidity - Indicate if clear, slightly turbid, moderately turbid or highly turbid.

Note: Following water quality meter was used:

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Engineers and Scientists

# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca Cola Main. Facility | DAY: Monday | DATE: 8-28-11 |
| | | WEATHER: | clear @ 90's |
| CATLIN PROJECT #: | 208069 | REPORT BY: | J. Heter |
| CLIENT'S NAME: | Coca Cola | CATLIN CREW: | Bill Miller, Josh O'Connell |
| SUBCONTRACTORS: | — | | |

| TIME START | TIME STOP | ACTIVITY |
|---|---|---|
| | | VEHICLE #: 36 START ODOMETER: 156809 END ODOMETER: 156818 |
| 1015 | 1100 | Travel to DSI for drilling supplies, then |
| | | to site. |
| 1100 | | On-site. |
| | | Drill/install MW-02. |
| | | Classify soils. |
| | | Set 2" PVC well to 12' BLS. |
| | | No odors. |
| | | Developed well (~15 gal) |
| | | Ohr DTW = 6' BLS |
| | | GPS well (but had to use handheld unit, so |
| | | * did not get TOC elevation. |
| | | Built pad. |
| | | Made/added Well Tag. |
| | 1300 | Left site. |
| 1300 | 1315 | Travel from site to office. |
| | | VEHICLE #: 36 START ODOMETER: 156818 END ODOMETER: 156824 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | 1 | |
| Generator | | Redi-Flo Pump | 1 | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | 14' | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | 3 | |

Approval of data for final report can only be made by CATLIN Engineers and Scientists and cannot be conveyed on this form.
This is a field copy and is subject to review and revision.

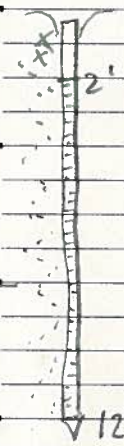
# CATLIN
Engineers and Scientists

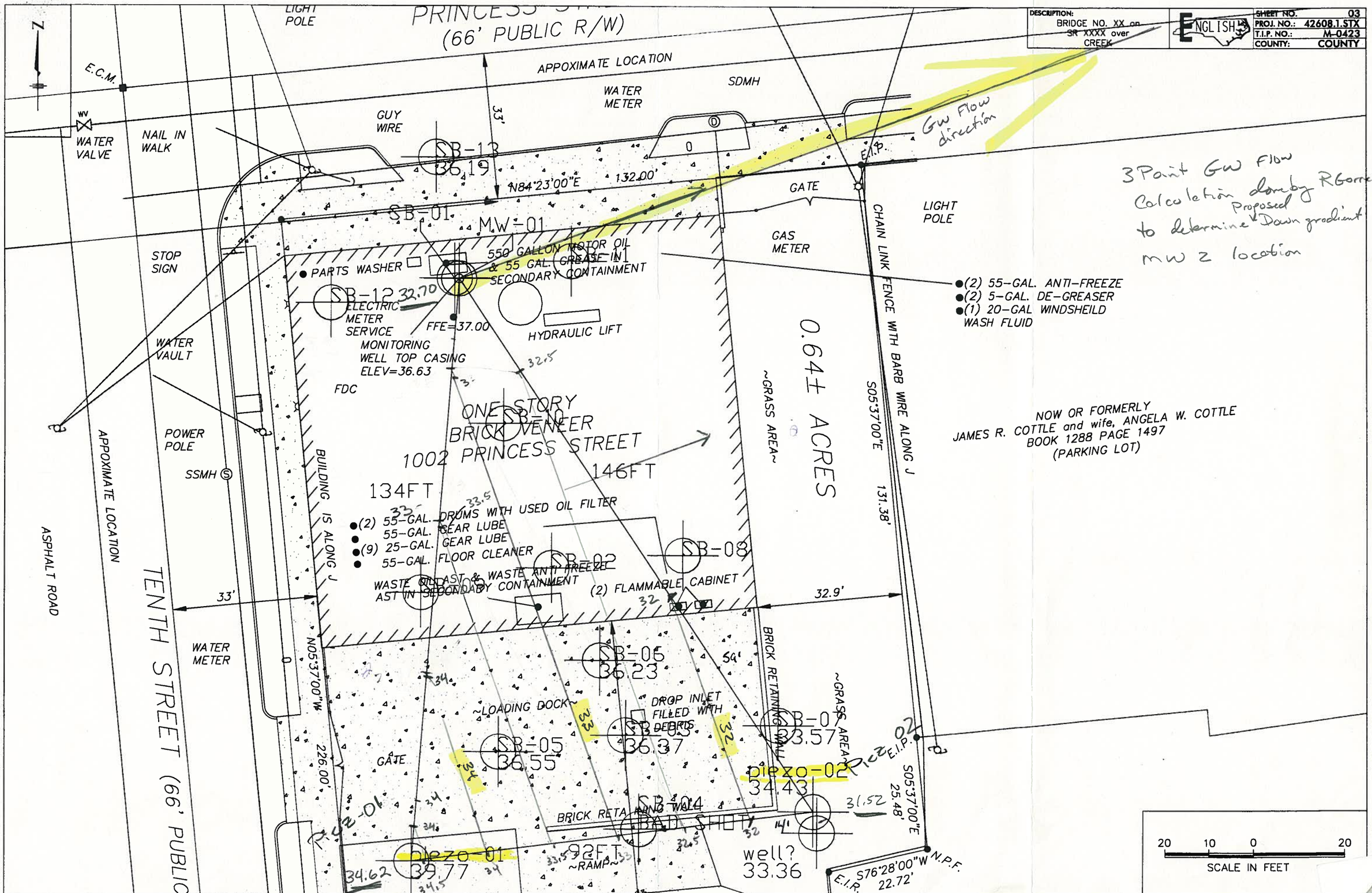
# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca Cola Maint. Fac. | | LOGGED BY: J. Heter | BORING ID: MW-02 |
| | | DRILLER: Bill Miller | |
| NORTHING: | EASTING: | CREW: Josh O'Connell | |
| BORING LOCATION: | | | |
| DRILL MACHINE: ATV | METHOD: HSA | 0 HOUR DTW: 6.0' | |
| START DATE: 8-28-11 | FINISH DATE: 8-28-11 | 24 HOUR DTW: | |
| T.O.C. ELEV.: | BORING DEPTH: 15' | WELL DEPTH: 12' | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION DEPTH / ELEVATION | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | SP | | Gravel (FILL) Dk brown f. SAND, Moist. | |
| 4 | 2 | 5 | 3 | 3 | 0.0 | | SP | | S.A.A. Uniform. No odor. Wet. | |
| | | | | | | | — | — | — sat. @ 5' | |
| 8 | W | O | H | — | 0.0 | | SC-CL | | Grayish-brown sandy clay to clayey sand. Uniform. Soft. Mod. plast. Sat. No odor. | |
| 12 | | | | | | | — | — | — — | |
| | 4 | 3 | 4 | 3 | 0.0 | | SP | | Grayish-brown f. SAND, Uniform. No odor. Sat. Loose. | |
| 16 | | | | | | | | | | |

2" PVC well set to 12' BLS
screen 2-12'
riser 0.3-2'
sand 1-12'
bentonite 0.5-1'




DESCRIPTION: BRIDGE NO. XX on SR XXXX over CREEK
ENGLISH
SHEET NO. 03
PROJ. NO.: 42608.1.STX
T.I.P. NO.: M-0423
COUNTY: COUNTY
N
PRINCESS ST
(66' PUBLIC R/W)
LIGHT POLE
APPOXIMATE LOCATION
E.C.M.
WV
WATER VALVE
NAIL IN WALK
GUY WIRE
WATER METER
SDMH
33'
SB-13
36.19
N84°23'00"E
132.00'
SB-01
MW-01
GW Flow direction
E.I.P.
GATE
LIGHT POLE
3 Point GW Flow Calculation done by RGarrett
Proposed Down gradient mw 2 location
STOP SIGN
PARTS WASHER
550 GALLON MOTOR OIL & 55 GAL. GREASE IN SECONDARY CONTAINMENT
SB-12
32.70
ELECTRIC METER SERVICE
FFE=37.00
HYDRAULIC LIFT
MONITORING WELL TOP CASING ELEV=36.63
32.5
FDC
GAS METER
CHAIN LINK FENCE WITH BARB WIRE ALONG J
(2) 55-GAL. ANTI-FREEZE
(2) 5-GAL. DE-GREASER
(1) 20-GAL WINDSHEILD WASH FLUID
WATER VAULT
0.64± ACRES
~GRASS AREA~
S05°37'00"E
131.38'
NOW OR FORMERLY
JAMES R. COTTLE and wife, ANGELA W. COTTLE
BOOK 1288 PAGE 1497
(PARKING LOT)
POWER POLE
APPOXIMATE LOCATION
SSMH
BUILDING IS ALONG J
ONE STORY BRICK VENEER
1002 PRINCESS STREET
SB-10
146FT
134FT
(2) 55-GAL. DRUMS WITH USED OIL FILTER
55-GAL. GEAR LUBE
(9) 25-GAL. GEAR LUBE
55-GAL. FLOOR CLEANER
SB-02
SB-08
WASTE OIL AST & WASTE ANTI FREEZE AST IN SECONDARY CONTAINMENT
(2) FLAMMABLE CABINET
32
33'
32.9'
ASPHALT ROAD
TENTH STREET (66' PUBLIC
WATER METER
N05°37'00"W
SB-06
36.23
BRICK RETAINING WALL
~GRASS AREA~
~LOADING DOCK~
DROP INLET FILLED WITH DEBRIS
SB-03
36.37
SB-07
33.57
SB-05
36.55
GATE
226.00'
piezo-02
34.43
E.I.P.
S05°37'00"E
25.48'
31.52
BRICK RETAINING WALL
SB-04
BAD SHOT
14'
well?
33.36
piezo-01
39.77
34.62
92FT
~RAMP~
S76°28'00"W
22.72'
N.P.F.
E.I.P.
20 10 0 20
SCALE IN FEET

CATLIN
Engineers and Scientists

# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Fri | DATE: 8-19-11 |
| | | WEATHER: Sunny & Hot | |
| CATLIN PROJECT # : | 208069 | REPORT BY: Steve Hudson | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE #: Yukon | START ODOMETER: | END ODOMETER: |
| 2:00 | | Travel to site | | |
| | | | | |
| | | piezo 1 5.15 feet | | |
| | | piezo 2 2.91 feet | | |
| | | MW1 3.93 feet | | |
| | | Hudson surveyed boring (piezometer locations & well TOCs | | |
| | | GRG 8/22/11 Notes 8/19 * [USED This] | | 8/22 meas by T Chalmers |
| | | TOC Elevations DTW | WT Elev. | after Heavy weekend rains |
| underwood | | MW-01 36.63 3.93 | 32.70 | 3.88 32.75 |
| CATLIN | | Piez-01 39.77 5.15 | 34.62 | 6.88 32.89 |
| CATLIN | | Piez-02 34.43 2.91 | 31.52 | 2.68 31.75 |
| | | | | |
| | | VEHICLE #: | START ODOMETER: | END ODOMETER: |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

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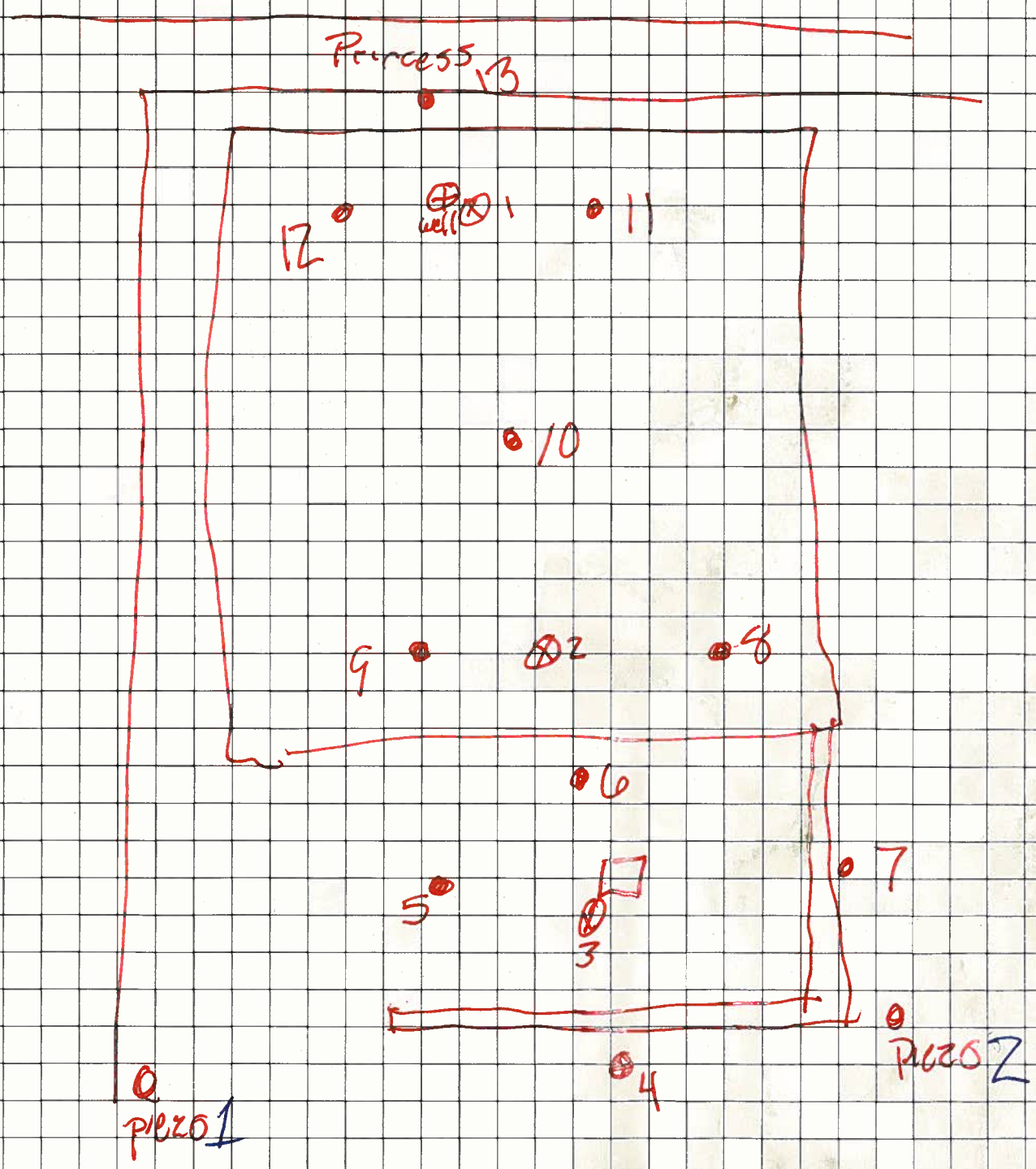
CATLIN
Engineers and Scientists

# SKETCH AND COMPUTATION SHEET

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: | DATE: |
| | | DRAWING BY: | |
| CATLIN PROJECT # : | 208069 | REVIEWED BY: | |




4 BOXES = 1 INCH

CATLIN
Engineers and Scientists

# SKETCH AND COMPUTATION SHEET

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: | DATE: |
| | | DRAWING BY: | |
| CATLIN PROJECT # : | 208069 | REVIEWED BY: | |

| | | | | | | |
|---|---|---|---|---|---|---|
| ~~X~~ | MTO | Top ~~4~~ / Bot | + − | | | Piezo 1 |
| 0 | 2.72 | 3.36 / 2.09 | | | | |
| 352 | 5.80 | 6.31 / 5.29 | SB-05 | | | |
| 3 | 5.50 | 5.84 / 5.18 | SB09 | | | |
| 336 | 5.47 | 5.79 / 5.16 | SB02 | | | |
| 313 | 5.50 | 5.85 / 5.18 | SB06 | | | |
| 350 | 5.59 | 5.75 / 5.46 | SB10 | | | |
| 225 | 5.46 | 5.56 / 5.41 | SB11 | | | |
| 107 | 5.50 | 5.58 / 5.43 | SB1 | | | 5.93 |
| 106 | 5.52 | 5.59 / 5.44 | MW01 | TOC Grnd | 5.94 | 6.05 / 5.86 |
| 85 | 5.45 | 5.66 / 5.23 | ~~SB~~ 12 | | | |
| 0 | 2.73 | 3.37 / 2.09 | Close Piezo 1 | | | |

4 BOXES = 1 INCH

CATLIN
Engineers and Scientists

# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Fri | DATE: 8-12-11 |
| | | WEATHER: 80° overcast | |
| CATLIN PROJECT # : | 208069 | REPORT BY: S. Hudson | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: Tommy Chalmers | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE #: 34 | START ODOMETER: 156314 | END ODOMETER: 156321 |
| 0700 | 0730 | Mobe | | |
| 0730 | 0750 | Travel | | |
| 0750 | | - Hand Auger and probe | | |
| | | - load equipment | | |
| | | - Straighted up/Lock up | | |
| | | DTC from site @ 10:00 | | |
| | 11:00 | | | |
| 11:00 | 11:20 | VEHICLE #: ~~15~~ 34 | START ODOMETER: 156321 | END ODOMETER: 156327 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

Approval of data for final report can only be made by CATLIN Engineers and Scientists and cannot be conveyed on this form.
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# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0685

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | LOGGED BY: Steven Hudson | DRILLER: D. Thomas Chalmers | BORING ID. SB-01 |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-12 | TIME: 9:15 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | Concrete |
| 0.5 | | | | | | | tan brn, f.-cse. Sand. Poorly graded dry - no HCO |
| 1.0 | | | | | | | 1.0 - 3.7 - drk brn/black |
| 1.5 | | | 31.4 | | | | Silty ~~cse~~ f. Sand w/ Some ~~cse~~ Fine |
| 2.0 | | | | | | | increases w/depth. Some |
| 2.5 | | | 26.8 | | | | brick frags. throughout - moins all |
| 3.0 | | | | | | | |
| 3.5 | | | 17.3 | | | | 3.7-4.0 = drk brn/black |
| 4.0 | | | | | | | SILT w/ some sand - poorly graded - cohesive. organic |
| 4.5 | | | | | | | no HCO. |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0685

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Steven Hudson<br>DRILLER: D. Thomas Chalmers | BORING ID. SB-07 |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: ~~Hand Auger~~ | BORING LOCATION: | | BORING DEPTH: |
| METHOD: ~~Direct Push~~ | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-12 | TIME: 08:00 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | 0-1.5 |
| | | | 0.4 | | | | Brown to drk brn, f. SAND |
| 0.5 | | | | | | | w/ some silt and little organics |
| | | | 4.6 | | | | - brick & glass debris |
| 1.0 | | | | | | | |
| | | | 10.1 | | | | 1.5-3.0 = dark brn to blk |
| 1.5 | | | | | | | silty f. Sand to Sandy Silt |
| | | | 23.3 | | | | |
| 2.0 | | | | | | | Sat @ 2.5 |
| | | | 37.2 | | | | |
| 2.5 | | | | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0685

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | LOGGED BY: Steven Hudson | DRILLER: D. Thomas Chalmers | BORING ID. SB-08 |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-12 | TIME: 9:20 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | Concrete |
| 0.5 | | | | | | | tan brn, Silty, f. Sand w/ Some cse. dry, no HCO |
| 1.0 | | | | | | | 0-4.0 gray to dk brn, Silty, f-cse Sand w/rubble |
| 1.5 | | | 0.7 | | | | no HCO m- wet @ 4.0 |
| 2.0 | | | | | | | |
| 2.5 | | | 0.9 | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | 0.0 | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0685

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | LOGGED BY: Steven Hudson | DRILLER: D. Thomas Chalmers | BORING ID. SB-10 |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-12-11 | TIME: 0950 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | Concrete |
| 0.5 | | | | | | | Gray, silty, f. sand w/brick frags. Mor. No HCO |
| 1.0 | | | | | | | 1-3 = drk brn, f-cse sand w/some silt. Mor. No HCO |
| 1.5 | | | 13.3 | | | | |
| 2.0 | | | | | | | 3-4 = Black Silty f. Sand to Sandy Silt. Root frags @ 3.8-4.0 ← wet @ |
| 2.5 | | | 18.0 | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | 29.2 | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA... 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0586

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | LOGGED BY: Steven Hudson | DRILLER: D. Thomas Chalmers | BORING ID. SB-11 |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-12-11 | TIME: 10:10 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | Concrete |
| 0.5 | | | | | | | Lt brn, f. to cse Sand w/some silt, mod graded, rubble frags dry no HCO |
| 1.0 | | | | | | | |
| 1.5 | | | 0.4 | | | | Dark brown, Silty, cse to f. Sand w/ glass and rubble frags. Mod Graded Moist to wet @ 3.5' No HCO |
| 2.0 | | | | | | | |
| 2.5 | | | 16.6 | +dup | | | |
| 3.0 | | | | | | | |
| 3.5 | | | 47.0 | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/MBBA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0555

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Steven Hudson | BORING ID. SB-12 |
| | | DRILLER: D. Thomas Chalmers | |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: ~~Direct Push~~ Hand Auger | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-12-11 | TIME: 8:45 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | Concrete |
| 0.5 | | | | | | | 0.5-3.5 |
| | | | 20.1 | | | | dark brown, cse to f. Sand |
| 1.0 | | | | | | | w/little silt. Mod grading |
| 1.5 | | | 22.7 | | | | -tr. brick frags 1-2' no Hco |
| | | | | | | | M to ~~3.5~~ |
| 2.0 | | | | | | | W @ 3-3.5 |
| 2.5 | | | 39.6 | | | | |
| 3.0 | | | | | | | |
| | | | 35 | | | | |
| 3.5 | | | | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG_208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0685

SHEET 1 OF 1

| | | | | | |
|---|---|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | | CITY: Wilmington | |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Steven Hudson | | BORING ID. SB-13 | |
| | | DRILLER: D. Thomas Chalmers | | | |
| NORTHING: | EASTING: | CREW: | | GROUND ELEV.: | |
| SYSTEM: Hand Auger | BORING LOCATION: | | | BORING DEPTH: | |
| METHOD: ~~Direct Push~~ | CONDITIONS: | | | 0hr. DTW: | |
| START DATE: | FINISH DATE: 8/12 | TIME: 8:20 | | SURF. WATER DEPTH: N/A | |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | 0-~~.5~~ Concrete |
| 0.5 | | | | | | | 0.5-2.0 = brn, to dk brn, cse to f. Sand |
| | | | 17.1 | | | | w/ brick, concrete, and rubble |
| 1.0 | | | 15.1 | | | | -glass etc. Moist |
| 1.5 | | | 28.3 | | | | ~~1.0-2.0 = brn~~ |
| 2.0 | | | 31.2 | | | | 2.0-2.5 = dark brown, cse to f. sand |
| 2.5 | | | | | | | w/some silt and rock frags m/w — well rounded river rock fill |
| 3.0 | | | 44.7 | | | | 2.5-3.5 = brown, cse to |
| 3.5 | | | | | | | f. Sand, well graded SW |
| | | | | | | | sat @ 3.5 |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

CATLIN
Engineers and Scientists

# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: Thursday | DATE: 8-11-04 |
| | | WEATHER: | |
| CATLIN PROJECT # : | 208069 | REPORT BY: Steven Hudson | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: Tommy Chalmers | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE #: 36 | START ODOMETER: 156281 | END ODOMETER: |
| 8:00 | 9:00 | Mobilize. | | |
| 9:915 | 9:15 | Travel to site | | |
| 9:15 | | lay out adjusted borings and core | | |
| | | 3 more concrete holes | | |
| | 10:45 | | | |
| 10:45 | 11:00 | Set 2 piezometers | | |
| 11:00 | 12:00 | Travel to office for supplies | | |
| 12:00 | | DPTS | | |
| | 3:30 | | | |
| 3:30 | 3:45 | VEHICLE #: 36 | START ODOMETER: 156308 | END ODOMETER: 156314 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

Approval of data for final report can only be made by CATLIN Engineers and Scientists and cannot be conveyed on this form.
This is a field copy and is subject to review and revision.

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0555

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Steven Hudson | BORING ID. SB-02 |
| | | DRILLER: D. Thomas Chalmers | |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-11 | TIME: 2:50 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | Concrete |
| 0.5 | | | | | | | 0.5-1.5= dark brn, F. Sand w/little silt. mot. no HCO |
| 1.0 | | | | | | | |
| 1.5 | | | 22.2 | | | | 1.5-3.5- gray brown, F. Sand w/some silt and tr. brick flags @ ~2.0'. some dark banding ~0.2' @ 2.5' mot. to wet no HCO w @ 3.5 |
| 2.0 | | | | | | | |
| 2.5 | | | 13.2 | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | 15.6 | | | | 3.5-4 - dark brn/blk, Silty, F. Sand. wet. no HCO |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

FIELD PROBE/VIBE

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28406
Corporate Licensure No. for Engineering Services C-0686

SHEET 1 OF 1

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | | CITY: Wilmington | | | |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Steven Hudson | | BORING ID. SB-05 3 | | | |
| | | DRILLER: D. Thomas Chalmers | | | | | |
| NORTHING: | EASTING: | CREW: | | GROUND ELEV.: | | | |
| SYSTEM: | BORING LOCATION: | | | BORING DEPTH: | | | |
| METHOD: Direct Push | CONDITIONS: | | | 0hr. DTW: | | | |
| START DATE: | FINISH DATE: 8-11 | TIME: 1:30 | | SURF. WATER DEPTH: N/A | | | |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | Concrete |
| 0.5 | | | | | | | 0.5 gray brn, cse to f. Sand mod well sort moi no HCO |
| 1.0 | | | 27.1 | | | | |
| 1.5 | | | | | | | |
| 2.0 | | | 153 | | | | |
| 2.5 | | | | | | | Rubble layer |
| | | | 3.5 | | | | |
| 3.0 | | | | | | | gray to black cse to f. Sand w/some silt no HCO. |
| 3.5 | | | 17.? | | | | |
| 4.0 | | | | | | | Eoit |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA-COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0885

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Steven Hudson<br>DRILLER: D. Thomas Chalmers | BORING ID. SB-04 |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-11 | TIME: 12:20 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | |
| 0.5 | | | 3.2 | | D | | 0-1.5: tan brown f. CSL+c sand w/ some silt. No HCO - Moist |
| 1.0 | | | | | M | | 1.5-1.8: brick |
| 1.5 | | | 8.0 | | M | | 1.8-4.0: dark brown to black - f+c CSL sand w. little silt and root frags. mod sort. wet to sat Tr. rock frags |
| 2.0 | | | | | M | | |
| 2.5 | | | 8.8 | 5304 | M | | |
| 3.0 | | | | | M | | |
| 3.5 | | | 10.2 | | W | | EOH |
| 4.0 | | | | | W | | sat @ top<br>EOH |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0586

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Steven Hudson<br>DRILLER: D. Thomas Chalmers | BORING ID. SB-03 ~~04~~ 5 |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-11 | TIME: 1:15 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | |
| 0.5 | | | 0.0 | | D | | gray ~~drk brn~~ to tan, f. to csl Sand w. ~~some~~ silt. AC. |
| 1.0 | | | | | M | | |
| 1.5 | | | 0.0 | | | | |
| 2.0 | | | | | | | ~~brick~~ 2-3.5 gray w/ csl to drk brn to black, f. sand w. silt little ~~to silty f. sand~~ mod well sort |
| 2.5 | | | 0.8 | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | 1.7 | | W | | gray, csl to f. sand. mod well sort wood/peat trass EOH |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0555

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Steven Hudson<br>DRILLER: D. Thomas Chalmers | BORING ID. SB-06 |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-11 | TIME: 1:50 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | Concrete |
| 0.5 | | | 0.3 | | | | 0-3 = gray, cse to f. SAND w/ tr. to no silt. NO HCO Poorly graded |
| 1.0 | | | | | | | |
| 1.5 | | | 0.0 | | | | 3.0-3.3 = brick rubble |
| 2.0 | | | | | | | 3.3-4.0 = gray to black, cse to f. SAND w/some silt. ~~mod~~ No HCO. Mod poor graded. |
| 2.5 | | | 0.7 | | | | |
| 3.0 | | | | | | | |
| 3.5 | | | 0.0 | | | | |
| 4.0 | | | | | | | EOH |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBR... 208-069 COCA-COLA.GPJ CATLIN.GDT 8/11/11

# PROBE LOG

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0586

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| PROJECT NAME: Coca-Cola Vehicle Maint. Facility | | LOGGED BY: Steven Hudson<br>DRILLER: D. Thomas Chalmers | BORING ID. SB-09 |
| NORTHING: | EASTING: | CREW: | GROUND ELEV.: |
| SYSTEM: | BORING LOCATION: | | BORING DEPTH: |
| METHOD: Direct Push | CONDITIONS: | | 0hr. DTW: |
| START DATE: | FINISH DATE: 8-(1 | TIME: 2:30 | SURF. WATER DEPTH: N/A |

| DEPTH | SAMPLE TOTAL | SAMPLE RECOV. | OVA (ppm) | LAB ID. | MOI | USCS | SOIL DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | Concrete |
| 0.5 | | | | | | | 0.5-3.0 = brown/dk brn Silty, cse to f. Sand w/ gravel frags throughout. No HCO |
| 1.0 | | | 0.0 | | | | |
| 1.5 | | | | | | | 3.0-3.5 = black, Silty, F. Sand w. L.S. frags No HCO |
| 2.0 | | | 0.0 | | | | |
| 2.5 | | | 0.0 | | | | 3.5-4.0 = black, SILT w/some Sand. organic - no HCO some natural org odor. |
| 3.0 | | | | | | | |
| 3.5 | | | 0.0 | | | | |
| 4.0 | | | | | | | |
| 4.5 | | | | | | | |
| 5.0 | | | | | | | |
| 5.5 | | | | | | | |
| 6.0 | | | | | | | |
| 6.5 | | | | | | | |

COMMENTS:

FIELD PROBE/VIBRA LOG 208-069 COCA COLA.GPJ CATLIN.GDT 8/11/11

CATLIN
Engineers and Scientists

# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Vehicle Maint. Facility | DAY: 8-10-11 | DATE: Wed |
| | | WEATHER: Hazy & Hot | |
| CATLIN PROJECT # : | 208069 | REPORT BY: Steve Hudson | |
| CLIENT'S NAME: | Coca-Cola | CATLIN CREW: Tommy Chalmers | |
| SUBCONTRACTORS: | | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE # : ~~156269~~ 36 | START ODOMETER: 156269 | END ODOMETER: 156275 |
| 10:00 | 11:00 | Mobilize | | |
| 11:00 | 11:15 | Travel to site | | |
| 11:15 | 11:30 | Tailgate Meeting | | |
| 11:30 | | - Cored 76 holes : 6" thick | | |
| | | Gauge existing well = Hold 5.0 | | |
| | | $H_2O$ cut = 0.73 | | |
| | | TOC - DTW = 4.27 | | |
| | 3:30 | TOC = 0.4' below Floor | | |
| 3:30 | 3:45 | VEHICLE # : 36 | START ODOMETER: 156275 | END ODOMETER: 156281 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | | |

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CATLIN
Engineers and Scientists

# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Bottling Co. | DAY: Tuesday | DATE: 11/25/08 |
| | | WEATHER: clear @ 60's | |
| CATLIN PROJECT # : | 208-069 | REPORT BY: J. Heter | |
| CLIENT'S NAME: | Coco-Cola Bottling Co. | CATLIN CREW: — | |
| SUBCONTRACTORS: | — | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE # : 36 | START ODOMETER: 109925 | END ODOMETER: 109937 |
| 1045 | 1115 | Travel from shop to SGS to pick up glassware, then travel to site. | | |
| 1115 | | Talk w/ Tim Stewart prior to sampling. | | |
| | 1215 | Gauge & sample MW-01. | | |
| | | * One full 55-gal drum on-site near well (purge/development fluids) | | |
| 1215 | 1300 | Travel to SGS to drop off sample, then travel to shop. | | |
| | | VEHICLE # : 36 | START ODOMETER: 109937 | END ODOMETER: 109956 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | 1 | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | 1 | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | 1 | |

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# MONITORING WELL SAMPLING RECORD

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Bottling Co. | DAY: Tuesday | DATE: 11/25/08 |
| | | WEATHER: | Clear @ 60's |
| CATLIN PROJECT # : | 208-069 | REPORTED BY: | J. Heter |
| CLIENT'S NAME: | Coco-Cola Bottling Co. | CREW: | — |

| | | | | | |
|---|---|---|---|---|---|
| WELL ID. | MW-01 | | | | |
| DATE/TIME SAMPLED | 11/25 @ 1140 | | | | |
| WELL DIAMETER | 2" | | | | |
| WELL DEPTH - A | 12' | | | | |
| DEPTH TO WATER - B | 4.21 | | | | |
| (A-B) FT. WATER IN WELL - C | 7.79 | | | | |
| GALLONS/FT. - D | 0.163 | | | | |
| (CXD) ONE VOLUME - E | 1.27 | | | | |
| (EX3) THREE VOLUMES - F | 3.81 | | | | |
| VOLUME OF BAILER - G* | 0.24 | | | | |
| (F/G) NO. BAILS REQUIRED - H* | 15.9 | | | | |
| NO. BAILS REMOVED - I* | 16 | | | | |
| VOLUME REMOVED | 4 gal | | | | |
| TURBIDITY | slight | | | | |
| COMMENTS | | | | | |

**WELL VOLUME:**
1" WELL = 0.045 GAL/FT.
2" WELL = 0.163 GAL/FT.
4" WELL = 0.661 GAL/FT.
6" WELL = 1.501 GAL/FT.

**BAILER VOLUME:**
3' X 1.5" BAILER = 0.24 GAL/BAIL
4' X 1.5" BAILER = 0.37 GAL/BAIL

**NOTES:**
TURBIDITY - Indicate clear, slight, moderate or high.

* - An entry of PUMP indicates that bailers were not used to develope/purge the well and that a pump was used to remove the volume indicated.

Please note air temp. if available 60°F

CATLIN
Engineers and Scientists

# DAILY ACTIVITIES LOG

| | |
|---|---|
| CATLIN PROJECT: Coca Cola Bottling Co. | DAY: Wednesday DATE: 11/12/08 |
| | WEATHER: clear @ 50's |
| CATLIN PROJECT #: 208-069 | REPORT BY: J. Heter |
| CLIENT'S NAME: Coca Cola | CATLIN CREW: B. Miller |
| SUBCONTRACTORS: — | |

| TIME START | TIME STOP | ACTIVITY |
|---|---|---|
| | | VEHICLE #: 36 START ODOMETER: 109880 END ODOMETER: 109889 |
| 1000 | 1015 | Travel to site from shop. |
| 1015 | 1215 | Perform receptor survey. |
| | | Purged well (MW-01) - 50 gallons |
| | | in drum left on site near well. |
| | | Labelled well. (Confirmed w/ Tim - Mechanic |
| | | on site) |
| 1215 | 1230 | Travel to shop from site. |
| | | VEHICLE #: 36 START ODOMETER: 109889 END ODOMETER: 109897 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | 1 | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | 2 | |

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# DAILY ACTIVITIES LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Bottling Co. | DAY: Monday | DATE: 10/27/08 |
| | | WEATHER: clear @ 60's | |
| CATLIN PROJECT # : | 208-069 | REPORT BY: J. Heter | |
| CLIENT'S NAME: | Coco-Cola Bottling Co. | CATLIN CREW: — | |
| SUBCONTRACTORS: | — | | |

| TIME | | ACTIVITY | | |
|---|---|---|---|---|
| START | STOP | VEHICLE #: 36 | START ODOMETER: 108351 | END ODOMETER: 108358 |
| 1045 | 1100 | Travel to site from shop. | | |
| | | | | |
| 1100 | 1200 | Check DTW on MW-01. | | |
| | | Sample well water / purge 3 volumes. | | |
| | | Mopped floor / cleaned site. | | |
| 1200 | 1230 | Travel from site to SGS to drop off samples, then to shop. | | |
| | | | | |
| | | VEHICLE #: 36 | START ODOMETER: 108358 | END ODOMETER: 108370 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | 1 | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | 1 | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | 1 | |

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CATLIN
Engineers and Scientists

# MONITORING WELL SAMPLING RECORD

| | | | |
|---|---|---|---|
| CATLIN PROJECT: | Coca-Cola Bottling Co. | DAY: Monday | DATE: 10/27/08 |
| | | WEATHER: | Clear @ 60's |
| CATLIN PROJECT # : | 208-069 | REPORTED BY: | J. Heter |
| CLIENT'S NAME: | Coco-Cola Bottling Co. | CREW: | — |

| | | | | | |
|---|---|---|---|---|---|
| WELL ID. | MW-01 | | | | |
| DATE/TIME SAMPLED | 10/27 @ 1130 | | | | |
| WELL DIAMETER | 2" | | | | |
| WELL DEPTH - A | 12' | | | | |
| DEPTH TO WATER - B | 4.0 | | | | |
| (A-B) FT. WATER IN WELL - C | 8.0 | | | | |
| GALLONS/FT. - D | 0.163 | | | | |
| (CXD) ONE VOLUME - E | 1.30 | | | | |
| (EX3) THREE VOLUMES - F | 3.9 | | | | |
| VOLUME OF BAILER - G* | 0.24 | | | | |
| (F/G) NO. BAILS REQUIRED - H* | 16.3 | | | | |
| NO. BAILS REMOVED - I* | 17 | | | | |
| VOLUME REMOVED | 4 gal | | | | |
| TURBIDITY | high | | | | |
| COMMENTS | No sheen | | | | |

**WELL VOLUME:**
1" WELL = 0.045 GAL/FT.
2" WELL = 0.163 GAL/FT.
4" WELL = 0.661 GAL/FT.
6" WELL = 1.501 GAL/FT.

**BAILER VOLUME:**
3' X 1.5" BAILER = 0.24 GAL/BAIL
4' X 1.5" BAILER = 0.37 GAL/BAIL

**NOTES:**
TURBIDITY - Indicate clear, slight, moderate or high.

* - An entry of PUMP indicates that bailers were not used to develope/purge the well and that a pump was used to remove the volume indicated.

Please note air temp. if available 60° F

CATLIN
Engineers and Scientists

# DAILY ACTIVITIES LOG

| | |
|---|---|
| CATLIN PROJECT: Coca-Cola Bottling Co. | DAY: Thursday DATE: 10/23/08 |
| | WEATHER: clear @ 60° |
| CATLIN PROJECT # : | REPORT BY: J. Heter |
| CLIENT'S NAME: | CATLIN CREW: B. Fowler |
| SUBCONTRACTORS: — | |

| TIME | | ACTIVITY |
|---|---|---|
| START | STOP | VEHICLE # : 38 START ODOMETER: 52161 END ODOMETER: 52169 |
| 0930 | | Travel to SunBelt to pick up core machine. |
| | | Travel to Hughes for drilling supplies. |
| | 1015 | Travel to site. |
| | | |
| 1015 | 1400 | Met Tim on-site. |
| | | Set up rig 2' from marked location. |
| | | Core-barrel drilled. |
| | | Set well @ 12' BLS. |
| | | Classified soils. |
| | 1400 | Left site. |
| 1400 | 1415 | Travel to shop from site. |
| | | |
| | | VEHICLE # : 38 START ODOMETER: 52169 END ODOMETER: 52189 |

| EQUIPMENT | USED | EQUIPMENT | USED | EQUIPMENT | USED | OTHER EQUIP. USED |
|---|---|---|---|---|---|---|
| D.O. Meter | | YSI | | GPS Unit | | |
| Generator | | Redi-Flo Pump | | Bailers | | |
| Slug Test Equipment | | Geopump | | Sampling Supplies | | |
| pH/Temp. Meter | | Conductivity Pen | | Tubing | | |
| PID/FID Meter | | Water Level Indicator | | PPE Level C or D | 1 | |

Approval of data for final report can only be made by CATLIN Engineers and Scientists and cannot be conveyed on this form.
This is a field copy and is subject to review and revision.

CATLIN
Engineers and Scientists

# FIELD LOG

| | | | |
|---|---|---|---|
| CATLIN PROJECT #: 208-069 | STATE: NC | COUNTY: New Hanover | CITY: Wilmington |
| CATLIN PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: J. Hetor | BORING ID: MW-01 |
| | | DRILLER: B. Fowler | |
| NORTHING: | EASTING: | CREW: — | |
| BORING LOCATION: in Bldg. | | | |
| DRILL MACHINE: D-50 | METHOD: HSA | 0 HOUR DTW: 6' | |
| START DATE: 10/23/08 | FINISH DATE: 10/23/08 | 24 HOUR DTW: 4.17 | |
| T.O.C. ELEV.: | BORING DEPTH: 12' | WELL DEPTH: 12' | |

| DEPTH (feet) | BLOW COUNT 6 in. | 6 in. | 6 in. | 6 in. | OVA (ppm) | LAB ID. | US CS | LOG | SOIL AND ROCK DESCRIPTION (DEPTH / ELEVATION) | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | Core-barrel drill | | | | | | | | Concrete 0-0.5' (core-barrel drill) | 2" |
| 0.5 | | | | | | | SP | | Dark brown to black fine SAND. Moist. uniform. No odor. Trace qtz. fragments. | |
| 2 | No hammering due to low ceiling | | | | | | SP-SC | | Becomes f. SAND w/ CLAYEY SAND @ 2.5' BLS. Wet @ 3'. | 2' |
| 4 | | | | | | | | | Saturated @ 5' BLS. | |
| 6 | | | | | | | SP | | Switches back to f SAND. Uniform @ 6'. No odor. | |
| 10 | | | | | | | | | | |
| 12 | | | | | | | SC-CL | | At 11', switches to dark gray CLAYEY SAND to sandy clay. Mod. plasticity. Saturated. No odor. | 12' |

Well Set @ 12' BLS

10' screen
2' riser

Sand 12-1'
holeplug 1-0.5'

# APPENDIX C

# BORING LOGS, WELL LOGS, AND WELL CONSTRUCTION RECORDS

# WELL LOG

CATLIN Engineers and Scientists

208-069
Wilmington, NC

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Justin Heter | WELL ID: MW-01 |
| | | DRILLER: Bobbie D. Fowler | |
| NORTHING: 179084 | EASTING: 2321409 | CREW: | |
| SYSTEM: NCSP NAD 83 (USft) | BORING LOCATION: Inside Building | | T.O.C. ELEV.: 36.6 |
| DRILL MACHINE: Diedrich D-50 | METHOD: | 0 HOUR DTW: N/A | TOTAL DEPTH: 12.0 |
| START DATE: 10/23/08 | FINISH DATE: 10/23/08 | 24 HOUR DTW: 8.2 | WELL DEPTH: 12.0 |

| DEPTH | BLOW COUNT 0.5ft | 0.5ft | 0.5ft | 0.5ft | OVA (ppm) | LAB. | MOIS | LOG | SOIL AND ROCK DESCRIPTION (DEPTH / ELEVATION) | WELL DETAIL |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 0.0 LAND SURFACE 37.0 | 0.0 |
| 0.0 | C | O | R | E | NM | | | | 0.5 (GW) - CONCRETE. Core-barrel drilled. 36.5 | -0.3 |
| 0.5 | | | | | 0.0 | | | | (SP) - Dark brown to black fine SAND. Uniform. Trace quartz fragments. No odor. Moist. Driller notes: Ceiling too low to use hammer, therefore no blow counts. | 1.0 |
| 2.0 | | | | | 0.0 | | | | 2.5 34.5 | 2.0 |
| 4.0 | | | | | 0.0 | | | | (SC) - Dark brown to black fine SAND to CLAYEY SAND. Wet @ 3' BLS. Saturated @ 5' BLS. No odor. | |
| 6.0 | | | | | 0.0 | | | | 6.0 31.0 | |
| 8.0 | | | | | 0.0 | | | | (SP) - Dark brown to black fine SAND. Uniform. No odor. Saturated. | |
| 10.0 | | | | | 0.0 | | | | 11.0 26.0 | |
| 12.0 | | | | | 0.0 | | | | (SC/CL) - Dark gray CLAYEY SAND grading downwards to SANDY CLAY. Moderate plasticity. No odor. Saturated. 12.0 25.0 | 12.0 |
| | | | | | | | | | Boring Terminated at Elevation 25.0 ft | 12.0 |

2" Sch. 40 PVC

2" Slot .010 Sch. 40 PVC

Bentonite Pellets  #2 Medium Sand

CATLIN BORING LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# WELL LOG

CATLIN Engineers and Scientists

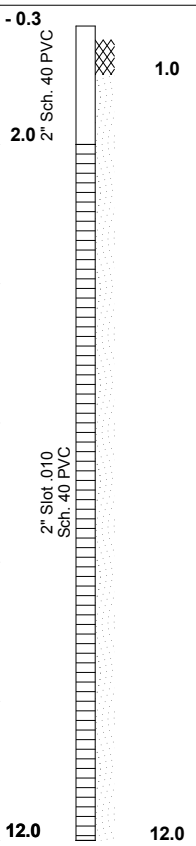
208-069
Wilmington, NC

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Justin Heter | WELL ID: MW-02 |
| | | DRILLER: William J. Miller | |
| NORTHING: 179210 | EASTING: 2321607 | CREW: Josh O'Connell | |
| SYSTEM: NCSP NAD 83 (USft) | BORING LOCATION: NE of building in gravel lot. | | T.O.C. ELEV.: 31.1 |
| DRILL MACHINE: CME 45B ATV | METHOD: | 0 HOUR DTW: N/A | TOTAL DEPTH: 15.0 |
| START DATE: 08/28/11 | FINISH DATE: 08/28/11 | 24 HOUR DTW: N/A | WELL DEPTH: 12.0 |

| DEPTH | BLOW COUNT 0.5ft | 0.5ft | 0.5ft | 0.5ft | OVA (ppm) | LAB. | MOIS | LOG | SOIL AND ROCK DESCRIPTION (DEPTH / ELEVATION) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 0.0 LAND SURFACE 31.4 |
| | | | | | | | | | 0.5 (GW) - GRAVEL (FILL). No odor. 30.9 |
| | | | | | | | | | (SP) - Dark brown f. SAND. Uniform. Some organic debris. No odor. 3.0 / 28.4 |
| 3.0 | 2 | 5 | 3 | 3 | 0.0 | | | | (SP) - S.A.A. Tr. organics. No odor. 5.0 / 26.4 |
| | | | | | | | | | 8.0 / 23.4 |
| 8.0 | woh | 0 | 0 | 0 | 0.0 | | | | (SC/CL) - Grayish-brown Sandy CLAY to Clayey SAND. Uniform. Soft. Mod. plasticity. No odor. 10.0 / 21.4 |
| | | | | | | | | | 13.0 / 18.4 |
| 13.0 | 4 | 3 | 4 | 3 | 0.0 | | | | (SP) - Grayish-brown f. SAND. Uniform. Loose. No odor. 15.0 / 16.4 |
| 15.0 | | | | | | | | | Boring Terminated at Elevation 16.4 ft |

WELL DETAIL




Bentonite Pellets  #2 Medium Sand

CATLIN BORING LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | **LOGGED BY:** Steven Hudson<br>**DRILLER:** D. Thomas Chalmers | **BORING ID:** SB-01 |
| **NORTHING:** 179,089 | **EASTING:** 2,321,414 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** In building w/MW-01 | | **LAND ELEV.:** 37.1 |
| **DRILL MACHINE:** Power Probe | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 4.0 |
| **START DATE:** 08/12/11 | **FINISH DATE:** 08/12/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 37.1 |
| 0.0 | CORE | | | | | | 0.5 | CONCRETE | 36.6 |
| 0.5 | DIRECT PUSH | | | | SP | | 1.0 | Tan brown, f. to cse. SAND. Poorly graded. No HCO | 36.1 |
| 1.0 | DIRECT PUSH | | ▲31.4 | 1.0-2.0 | SM | | | Dark brown to black, Silty, f. to cse. SAND. Brick frags. throughout. Fines increase w/depth. No HCO | |
| 2.0 | DIRECT PUSH | | ▲26.8 | 2.0-3.0 | | | | | |
| 3.0 | DIRECT PUSH | | ▲17.3 | | | | 3.7 | | 33.4 |
| | | | | | OH | | 4.0 | Dark brown, to black, SILT w/some Sand. Poorly graded. Cohesive. No HCO | 33.1 |
| 4.0 | | | | | | | | Boring Terminated at Elevation 33.1 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | **LOGGED BY:** Steven Hudson<br>**DRILLER:** D. Thomas Chalmers | **BORING ID:** SB-02 |
| **NORTHING:** 179,016 | **EASTING:** 2,321,439 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** In building w/B-02 | | **LAND ELEV.:** 37.1 |
| **DRILL MACHINE:** Power Probe | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 4.0 |
| **START DATE:** 08/11/11 | **FINISH DATE:** 08/11/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 37.1 |
| 0.0 | CORE | | | | | | CONCRETE | 0.5 | 36.6 |
| 0.5 | DIRECT PUSH | | | | | | | | |
| 1.0 | DIRECT PUSH | | ▲22.2 | 1.0-2.0 | SP | | Dark brown, f. SAND w/little Silt. No HCO | 1.5 | 35.6 |
| 2.0 | DIRECT PUSH | | ▲13.2 | 2.0-3.0 | SP | | Gray brown, f. SAND w/some Silt and tr. brick frags. @ 2.0ft. Some dark banding @ 2.5ft. No HCO | | |
| 3.0 | DIRECT PUSH | | ▲15.6 | | | | | 3.5 | 33.6 |
| 4.0 | | | | | SM | | Dark brown to black, Silty, f. SAND. No HCO | 4.0 | 33.1 |
| | | | | | | | Boring Terminated at Elevation 33.1 ft | | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | **LOGGED BY:** Steven Hudson<br>**DRILLER:** D. Thomas Chalmers | **BORING ID:** SB-03 |
| **NORTHING:** 178,981 | **EASTING:** 2,321,448 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** South of building w/B-03 | | **LAND ELEV.:** 36.5 |
| **DRILL MACHINE:** Power Probe | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 4.0 |
| **START DATE:** 08/11/11 | **FINISH DATE:** 08/11/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 36.5 |
| 0.0 | CORE | | | | | | CONCRETE | 0.5 | 36.0 |
| 0.5 | DIRECT PUSH | | | | | | | | |
| 1.0 | | | | 0.5-1.5 | | | | | |
| 1.5 | DIRECT PUSH | | ▲27.1 | | SP | | Gray brown, cse. to f. SAND. Mod. poor grading. No HCO | | |
| 2.0 | | | | 1.5-2.5 | | | | | |
| 2.5 | DIRECT PUSH | | ▲15.3 | | | | RUBBLE | 2.5 | 34.0 |
| 3.0 | | | | | | | | 3.0 | 33.5 |
| | DIRECT PUSH | | ▲17.1 | | SP | | Gray to black, cse. to f. SAND w/some Silt. No HCO | | |
| 4.0 | | | | | | | | 4.0 | 32.5 |
| | | | | | | | Boring Terminated at Elevation 32.5 ft | | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Steven Hudson | DRILLER: D. Thomas Chalmers | BORING ID: SB-04 |
| NORTHING: 178,960 | EASTING: 2,321,451 | CREW: | |
| SYSTEM: NCSP NAD 83 (USft) | BORING LOCATION: South of SB-03 | | LAND ELEV.: 35.4 |
| DRILL MACHINE: Power Probe | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 08/11/11 | FINISH DATE: 08/11/11 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | 0.0 LAND SURFACE | 35.4 |
| 0.0–0.5 | CORE | | | | | | CONCRETE 0.5 | 34.9 |
| 0.5–1.0 | DIRECT PUSH | | ▲3.2 | | SP | | Tan brown, cse. to f. SAND w/some Silt. No HCO 1.5 | 33.9 |
| 1.0–1.5 | DIRECT PUSH | | ▲8.0 | | | | BRICK Frags. 1.8 | 33.6 |
| 2.0–2.5 | DIRECT PUSH | | ▲8.8 | 2.0-3.0 | SW | | Dark brown to black, f. to cse. SAND w/little Silt and root frags. Tr. rock frags. No HCO 4.0 | 31.4 |
| 3.0–4.0 | DIRECT PUSH | | ▲10.2 | | | | Boring Terminated at Elevation 31.4 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-04-2 |
| NORTHING: 178,957 | EASTING: 2,321,449 | CREW: | |
| SYSTEM: | BORING LOCATION: Outside building on ramp | | LAND ELEV.: 35.4 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 3.0 |
| START DATE: 06/05/12 | FINISH DATE: 06/05/12 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 35.4 |
| 0.0 | | | | | | | Concrete 0.5 | 34.9 |
| | | | | | SP | | Med. brown grading to dark brown f. SAND. Uniform and Dry | |
| 2.0 | | | | 2.0-3.0 | | | | |
| 3.0 | | | | | | | 3.0 | 32.4 |
| | | | | | | | Boring Terminated at Elevation 32.4 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | **LOGGED BY:** Steven Hudson<br>**DRILLER:** D. Thomas Chalmers | **BORING ID:** SB-05 |
| **NORTHING:** 178,978 | **EASTING:** 2,321,419 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** West of SB-03 | | **LAND ELEV.:** 36.8 |
| **DRILL MACHINE:** Power Probe | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 4.0 |
| **START DATE:** 08/11/11 | **FINISH DATE:** 08/11/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 36.8 |
| 0.0 | CORE | | ▲0 | | | | CONCRETE | 0.5 | 36.3 |
| 0.5 | DIRECT PUSH | | ▲0 | | | | | | |
| 1.0 | DIRECT PUSH | | ▲0 | | SP | | Gray, f. to cse. SAND w/tr. silt. No HCO | 2.0 | 34.8 |
| 2.0 | DIRECT PUSH | | ▲0.8 | 2.0-3.0 | SP/SM | | Dark brown gray to black, cse. to f. SAND w/Silt. Mod. poor grading. No HCO | 3.5 | 33.3 |
| 3.0 | DIRECT PUSH | | ▲1.7 | | SP | | Gray, cse. to f. SAND. No HCO | 3.7 | 33.1 |
| | | | | | PT | | WOOD Frags./PEAT | 4.0 | 32.8 |
| 4.0 | | | | | | | Boring Terminated at Elevation 32.8 ft | | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Steven Hudson | DRILLER: D. Thomas Chalmers | BORING ID: SB-06 |
| NORTHING: 178,999 | EASTING: 2,321,442 | CREW: | |
| SYSTEM: NCSP NAD 83 (USft) | BORING LOCATION: North of SB-03 | | LAND ELEV.: 36.7 |
| DRILL MACHINE: Power Probe | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 08/11/11 | FINISH DATE: 08/11/11 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 36.7 |
| 0.0 | CORE | | | | | | CONCRETE | 0.5 | 36.2 |
| 0.5 | DIRECT PUSH | | ▲0.3 | | | | | | |
| 1.0 | DIRECT PUSH | | ▲0.0 | | SP | | Gray, cse. to f. SAND w/tr. to no silt. Poorly graded. No HCO | | |
| 2.0 | DIRECT PUSH | | ▲0.7 | 2.0-3.0 | | | | 3.0 | 33.7 |
| 3.0 | | | | | | | BRICK RUBBLE | 3.3 | 33.4 |
| | DIRECT PUSH | | ▲0.0 | | SP | | Gray to black, cse. to f. SAND w/some Silt. Mod. poor grading. No HCO | 4.0 | 32.7 |
| 4.0 | | | | | | | Boring Terminated at Elevation 32.7 ft | | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | **LOGGED BY:** Steven Hudson | **DRILLER:** D. Thomas Chalmers | **BORING ID:** SB-07 |
| **NORTHING:** 178,984 | **EASTING:** 2,321,482 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** East of SB-03 | | **LAND ELEV.:** 33.5 |
| **DRILL MACHINE:** Hand Auger | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 3.0 |
| **START DATE:** 08/12/11 | **FINISH DATE:** 08/12/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 33.5 |
| 0.0 | G R A B | | ▲0.4 | | | | | |
| 0.5 | G R A B | | ▲8.6 | | SW | | Brown to dark brown, f. SAND w/some Silt and little organics. Brick and glass debris throughout. No HCO | |
| 1.0 | G R A B | | ▲10.1 | 1.0-1.5 | | | | |
| 1.5 | G R A B | | ▲23.3 | | | | 1.5 | 32.0 |
| 2.0 | G R A B | | ▲37.2 | | SM/ ML | | Dark brown to black, Silty, f. SAND to Sandy SILT. No HCO | |
| 2.5 | | | | | | | | |
| 3.0 | | | | | | | 3.0 | 30.5 |

Boring Terminated at Elevation 30.5 ft

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-07-2 |
| NORTHING: 178,981 | EASTING: 2,321,481 | CREW: | |
| SYSTEM: | BORING LOCATION: Outside East side of building in grass | | LAND ELEV.: 33.5 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 3.0 |
| START DATE: 06/05/12 | FINISH DATE: 06/05/12 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 33.5 |
| 0.0 | | | | | SP | | | Medium to dark brown f. SAND, with red brick. Uniform. Wet. | |
| 2.0 | | | | 2.0-3.0 | | | | | |
| 3.0 | | | | | | | 3.0 | | 30.5 |
| | | | | | | | | Boring Terminated at Elevation 30.5 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | **LOGGED BY:** Steven Hudson | **DRILLER:** D. Thomas Chalmers | **BORING ID:** SB-08 |
| **NORTHING:** 179,018 | **EASTING:** 2,321,469 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** In building, East of SB-02 | | **LAND ELEV.:** 37.0 |
| **DRILL MACHINE:** Power Probe | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 4.0 |
| **START DATE:** 08/12/11 | **FINISH DATE:** 08/12/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | 0.0 LAND SURFACE | 37.0 |
| 0.0 | CORE | | | | | | CONCRETE | |
| 0.5 | DIRECT PUSH | | | | SM | | 0.5 Tan brown, Silty, f. SAND w/some cse. No HCO | 36.5 |
| 1.0 | DIRECT PUSH | | ▲0.7 | | SM | | 1.0 | 36.0 |
| 2.0 | DIRECT PUSH | | ▲0.9 | 2.0-3.0 | SM | | Gray to dark brown, Silty, f. to cse. SAND w/rubble. No HCO | |
| 3.0 | DIRECT PUSH | | ▲0.0 | | SM | | | |
| 4.0 | | | | | | | 4.0 | 33.0 |
| | | | | | | | Boring Terminated at Elevation 33.0 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-08-2 |
| NORTHING: 179,018 | EASTING: 2,321,466 | CREW: | |
| SYSTEM: | BORING LOCATION: Inside building East of SB-02 | | LAND ELEV.: 37.0 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 3.0 |
| START DATE: 06/05/12 | FINISH DATE: 06/05/12 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 37.0 |
| 0.0 | | | | | | | Concrete 0.5 | 36.5 |
| | | | | | SP | | Dark brown f. SAND. Uniform. Dry. | |
| 2.0 | | | | 2.0-3.0 | | | | |
| 3.0 | | | | | | | 3.0 | 34.0 |
| | | | | | | | Boring Terminated at Elevation 34.0 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | **LOGGED BY:** Steven Hudson<br>**DRILLER:** D. Thomas Chalmers | **BORING ID:** SB-09 |
| **NORTHING:** 179,014 | **EASTING:** 2,321,409 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** In building, West of SB-02 | | **LAND ELEV.:** 37.1 |
| **DRILL MACHINE:** Power Probe | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 4.0 |
| **START DATE:** 08/11/11 | **FINISH DATE:** 08/11/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 37.1 |
| 0.0 | CORE | | | | | | CONCRETE | |
| 0.5 | DIRECT PUSH | | ▲0.0 | | | | 0.5 | 36.6 |
| 1.0 | DIRECT PUSH | | ▲0.0 | | SM | | Brown to dark brown, Silty, cse. to f. SAND w/gravel frags. throughout. No HCO | |
| 2.0 | DIRECT PUSH | | ▲0.0 | 2.0-3.0 | | | | |
| 3.0 | DIRECT PUSH | | ▲0.0 | | SM | | Black, Silty, f. SAND w/limestone gravel frags. No HCO | |
| | | | | | | | 3.5 | 33.6 |
| | | | | | OL | | Black, SILT w/some Sand. No HCO | |
| 4.0 | | | | | | | 4.0 | 33.1 |
| | | | | | | | Boring Terminated at Elevation 33.1 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | **LOGGED BY:** Steven Hudson<br>**DRILLER:** D. Thomas Chalmers | **BORING ID:** **SB-10** |
| **NORTHING:** 179,053 | **EASTING:** 2,321,424 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** In building, between SB-01 & SB-02 | | **LAND ELEV.:** 37.1 |
| **DRILL MACHINE:** Power Probe | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 4.0 |
| **START DATE:** 08/11/11 | **FINISH DATE:** 08/11/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 37.1 |
| 0.0 | CORE | | | | | | CONCRETE | 0.5 | 36.6 |
| 0.5 | DIRECT PUSH | | | | SM | | Gray, Silty, f. SAND w/brick frags. No HCO | 1.0 | 36.1 |
| 1.0 | DIRECT PUSH | | ▲13.3 | | SP | | Dark brown, f. to cse. SAND w/some Silt. No HCO | | |
| 2.0 | DIRECT PUSH | | ▲18.0 | 2.0-3.0 | | | | | |
| 3.0 | DIRECT PUSH | | ▲29.2 | | SM/ ML | | Black, Silty, f. SAND to Sandy SILT. Root frags. No HCO | 4.0 | 33.1 |
| 4.0 | | | | | | | Boring Terminated at Elevation 33.1 ft | | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-10-2 |
| NORTHING: 179,051 | EASTING: 2,321,422 | CREW: | |
| SYSTEM: | BORING LOCATION: Inside building, middle of building | | LAND ELEV.: 37.1 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 3.0 |
| START DATE: 06/05/12 | FINISH DATE: 06/05/12 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 37.1 |
| 0.0 | | | | | | | Concrete | 0.5 | 36.6 |
| 2.0 | | | | 2.0-3.0 | SP | | Med brown to dark brown f. SAND w. red brick. Uniform. Dry. | 3.0 | 34.1 |
| 3.0 | | | | | | | Boring Terminated at Elevation 34.1 ft | | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | **LOGGED BY:** Steven Hudson<br>**DRILLER:** D. Thomas Chalmers | **BORING ID:** SB-11 |
| **NORTHING:** 179,090 | **EASTING:** 2,321,435 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** In building, East of SB-01 | | **LAND ELEV.:** 37.1 |
| **DRILL MACHINE:** Power Probe | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 4.0 |
| **START DATE:** 08/12/11 | **FINISH DATE:** 08/12/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| 0.0 | | | | | | | 0.0 LAND SURFACE | 37.1 |
| 0.0 | CORE | | | | | | CONCRETE | |
| 0.5 | DIRECT PUSH | | | | SP/SW | | 0.5 Light brown, f. to cse. SAND w/some Silt and brick frags. | 36.6 |
| 1.0 | DIRECT PUSH | | ▲0.4 | | SM | | 1.0 Dark brown, Silty, cse. to f. SAND w/glass and rubble throughout. | 36.1 |
| 2.0 | DIRECT PUSH | | ▲16.6 | 2.0-3.0 | | | | |
| 3.0 | DIRECT PUSH | | ▲47.0 | | | | | |
| 4.0 | | | | | | | 4.0 Boring Terminated at Elevation 33.1 ft | 33.1 |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-11-2 |
| NORTHING: 179,088 | EASTING: 2,321,438 | CREW: | |
| SYSTEM: | BORING LOCATION: Inside building NE corner of building | | LAND ELEV.: 37.1 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 3.0 |
| START DATE: 06/05/12 | FINISH DATE: 06/05/12 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 37.1 |
| 0.0 | | | | | | | Concrete | 0.5 | 36.6 |
| 2.0 | | | | 2.0-3.0 | SP | | Dark brown grading to black f. SAND. Uniform. Dry. | 3.0 | 34.1 |
| 3.0 | | | | | | | Boring Terminated at Elevation 34.1 ft | | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | **LOGGED BY:** Steven Hudson<br>**DRILLER:** D. Thomas Chalmers | **BORING ID:** **SB-12** |
| **NORTHING:** 179,086 | **EASTING:** 2,321,385 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** In building, West of SB-01 | | **LAND ELEV.:** 37.1 |
| **DRILL MACHINE:** Hand Auger | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 4.0 |
| **START DATE:** 08/12/11 | **FINISH DATE:** 08/12/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 37.1 |
| 0.0 | CORE | | | | | | CONCRETE | |
| 0.5 | GRAB | | 20.1 | | | | 0.5 | 36.6 |
| 1.0 | GRAB | | 22.7 | | | | | |
| 2.0 | GRAB | | 39.6 | 2.0-3.0 | SW | | Dark brown, cse. to f. SAND w/little Silt. Tr. brick frags. from 1-2ft. No HCO | |
| 3.0 | GRAB | | 35.5 | | | | 3.5 | 33.6 |
| 3.5 | | | | | OL | | Black, Sandy SILT. Elastic and cohesive. No HCO. | |
| 4.0 | | | | | | | 4.0 | 33.1 |
| | | | | | | | Boring Terminated at Elevation 33.1 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | **LOGGED BY:** Steven Hudson<br>**DRILLER:** D. Thomas Chalmers | **BORING ID:** **SB-13** |
| **NORTHING:** 179,113 | **EASTING:** 2,321,405 | **CREW:** | |
| **SYSTEM:** NCSP NAD 83 (USft) | **BORING LOCATION:** North of building along Princess Place Dr. | | **LAND ELEV.:** 36.4 |
| **DRILL MACHINE:** Hand Auger | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 3.5 |
| **START DATE:** 08/12/11 | **FINISH DATE:** 08/12/11 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 36.4 |
| 0.0 | CORE | | | | | | CONCRETE | |
| 0.5 | GRAB | | ▲17.1 | | | | 0.5 | 35.9 |
| 1.0 | GRAB | | ▲15.1 | | SW | | Brown, cse. to f. SAND w/brick and concrete rubble. No HCO | |
| 1.5 | GRAB | | ▲28.3 | | | | 2.0 | 34.4 |
| 2.0 | GRAB | | ▲31.2 | 2.0-3.0 | GW | | Dark brown, cse. to f. SAND w/some Silt and rock frags. (well rounded river rock). No HCO | |
| 2.5 | GRAB | | | | | | 2.5 | 33.9 |
| 3.0 | GRAB | | ▲44.7 | | SW | | Brown, cse. to f. SAND. Well graded. No HCO | |
| 3.5 | | | | | | | 3.5 | 32.9 |
| | | | | | | | Boring Terminated at Elevation 32.9 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-14 |
| NORTHING: 179,066 | EASTING: 2,321,435 | CREW: | |
| SYSTEM: | BORING LOCATION: Inside North of SB-17 | | LAND ELEV.: 37.0 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 3.0 |
| START DATE: 06/05/12 | FINISH DATE: 06/05/12 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 37.0 |
| 0.0 | | | | | | | Concrete | 0.5 | 36.5 |
| 2.0 | | | | 2.0-3.0 | SP | | Dark brown grading to black. f. SAND w/ trace glass. Uniform. Dry. | 3.0 | 34.0 |
| 3.0 | | | | | | | Boring Terminated at Elevation 34.0 ft | | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-15 |
| NORTHING: 179,064 | EASTING: 2,321,405 | CREW: | |
| SYSTEM: | BORING LOCATION: Inside North of SB-16 | | LAND ELEV.: 37.1 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 3.0 |
| START DATE: 06/05/12 | FINISH DATE: 06/05/12 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 37.1 |
| 0.0 | | | | | | | | Concrete | |
| | | | | | | | 0.5 | | 36.6 |
| | | | | | SP | | | Black f. SAND w/ red brick. Uniform. Dry. | |
| 2.0 | | | | 2.0-3.0 | | | | | |
| 3.0 | | | | | | | 3.0 | | 34.1 |
| | | | | | | | | Boring Terminated at Elevation 34.1 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_208-069 COCA COLA_SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-16 |
| NORTHING: 179,039 | EASTING: 2,321,407 | CREW: | |
| SYSTEM: | BORING LOCATION: Inside East of SB-17 | | LAND ELEV.: 37.1 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 3.0 |
| START DATE: 06/05/12 | FINISH DATE: 06/05/12 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 37.1 |
| 0.0 | | | | | | | 0.5 | Concrete | 36.6 |
| 2.0 | | | | 2.0-3.0 | SP | | 3.0 | Black f. SAND. Uniform. Moist | 34.1 |
| 3.0 | | | | | | | | Boring Terminated at Elevation 34.1 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-17 |
| NORTHING: 179,041 | EASTING: 2,321,437 | CREW: | |
| SYSTEM: | BORING LOCATION: Inside West of SB-18 | | LAND ELEV.: 37.0 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 3.0 |
| START DATE: 06/05/12 | FINISH DATE: 06/05/12 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 37.0 |
| 0.0 | | | | | | | 0.5 | Concrete | 36.5 |
| 2.0 | | | | 2.0-3.0 | SP | | 3.0 | Dark brown f. SAND w/ red brick. Uniform. Dry | 34.0 |
| 3.0 | | | | | | | | Boring Terminated at Elevation 34.0 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-18 |
| NORTHING: 179,043 | EASTING: 2,321,466 | CREW: | |
| SYSTEM: | BORING LOCATION: Inside North of SB-08 | | LAND ELEV.: 37.1 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 3.0 |
| START DATE: 06/05/12 | FINISH DATE: 06/05/12 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 37.1 |
| 0.0 | | | | | | | 0.5 | Concrete | 36.6 |
| 2.0 | | | | 2.0-3.0 | SP | | 3.0 | Medium brown grading to dark brown f. SAND. w/ red brick. Uniform. Moist | 34.1 |
| 3.0 | | | | | | | | Boring Terminated at Elevation 34.1 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | **LOGGED BY:** Corey Futral | **DRILLER:** | **BORING ID:** SB-19 |
| **NORTHING:** 179,021 | **EASTING:** 2,321,499 | **CREW:** | |
| **SYSTEM:** | **BORING LOCATION:** Outside North of SB-07 | | **LAND ELEV.:** 33.1 |
| **DRILL MACHINE:** Hand Auger | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 3.0 |
| **START DATE:** 06/05/12 | **FINISH DATE:** 06/05/12 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 33.1 |
| 0.0 | | | | | SP | | Dark brown grading to black f. SAND w. red brick and trace shale. Gap-graded. Moist. | |
| 2.0 | | | | 2.0-3.0 | | | | |
| 3.0 | | | | | | | 3.0 | 30.1 |
| | | | | | | | Boring Terminated at Elevation 30.1 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Corey Futral | BORING ID: SB-20 |
| | | DRILLER: | |
| NORTHING: 179,157 | EASTING: 2,321,402 | CREW: Josh O'Connell | |
| SYSTEM: | BORING LOCATION: Outside North of SB-20. Across Princess St. | | LAND ELEV.: 36.9 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 01/07/13 | FINISH DATE: 01/07/03 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 36.9 |
| 0.0 | | | ▲0.0 | | SM | | Drk. black Silty f. SAND. Uniform. | |
| 0.7 | | | | 0.7-1.2 | | | | |
| 1.0 | | | | | | | 1.0 | 35.9 |
| 1.2 | | | ▲0.0 | | SP | | Lt. gray with blacks f. SAND w/silt. Uniform | |
| 2.0 | | | | | | | 2.0 | 34.9 |
| | | | ▲0.0 | | SP | | S.A.A. Black w/lt. gray. | |
| 3.0 | | | | | | | 3.0 | 33.9 |
| | | | ▲0.0 | | SP | | S.A.A. Dk. brown. | |
| 4.0 | | | | | | | 4.0 | 32.9 |
| | | | | | | | Boring Terminated at Elevation 32.9 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Corey Futral | BORING ID: SB-21 |
| | | DRILLER: | |
| NORTHING: 179,110 | EASTING: 2,321,372 | CREW: Josh O'Connell | |
| SYSTEM: | BORING LOCATION: Outside West of SB-21 | | LAND ELEV.: 37.7 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 01/07/13 | FINISH DATE: 01/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 37.7 |
| 0.0 | | | ▲0.0 | | | | | |
| 0.7 | | | | 0.7-1.2 | | | | |
| 1.0 | | | | | | | | |
| 1.2 | | | ▲0.0 | | | | | |
| 2.0 | | | | | SM | | Black to dk. brown Silty f. SAND. Uniform. | |
| | | | ▲0.0 | | | | | |
| 3.0 | | | | | | | | |
| | | | ▲0.0 | | | | | |
| 4.0 | | | | | | | 4.0 | 33.7 |
| | | | | | | | Boring Terminated at Elevation 33.7 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_208-069 COCA COLA_SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Corey Futral | BORING ID: SB-22 |
| | | DRILLER: | |
| NORTHING: 179,118 | EASTING: 2,321,432 | CREW: Josh O'Connell | |
| SYSTEM: | BORING LOCATION: Outside East of SB-13 | | LAND ELEV.: 36.0 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 01/07/13 | FINISH DATE: 01/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 36.0 |
| 0.0 | | | ▲0.0 | | | | 0.5 | Concrete | 35.5 |
| 1.0 | | | | 1.0-1.5 | | | | | |
| 1.5 | | | ▲0.0 | | SP | | | Dk. brown to gray f. SAND tr. silt. Uniform. | |
| 2.0 | | | ▲0.0 | | | | 3.0 | | 33.0 |
| 3.0 | | | ▲0.0 | | SP | | | S.A.A. Tr. roots. | |
| 4.0 | | | | | | | 4.0 | | 32.0 |
| | | | | | | | | Boring Terminated at Elevation 32.0 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

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|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Corey Futral | BORING ID: SB-23 |
| | | DRILLER: | |
| NORTHING: 178,959 | EASTING: 2,321,421 | CREW: Josh O'Connell | |
| SYSTEM: | BORING LOCATION: Outside West of SB-04-2 | | LAND ELEV.: 36.7 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 01/07/13 | FINISH DATE: 01/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 36.7 |
| 0.0 | | | ▲0.1 | | SW | | Lt. gray gravel fill. Med. brown f. SAND. Well graded. | |
| 0.7 | | | | 0.7-1.2 | | | | |
| 1.0 | | | | | | | 1.0 | 35.7 |
| 1.2 | | | ▲0.0 | | SW | | S.A.A. f. to med. SAND. Gap-graded. | |
| 2.0 | | | | | | | 2.0 | 34.7 |
| | | | ▲0.0 | | SW | | S.A.A. f. SAND. Various sized gravel. Gap-graded. | |
| 3.0 | | | | | | | | |
| | | | ▲0.0 | | | | | |
| 4.0 | | | | | | | 4.0 | 32.7 |
| | | | | | | | Boring Terminated at Elevation 32.7 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Corey Futral | BORING ID: SB-24 |
| | | DRILLER: | |
| NORTHING: 178,935 | EASTING: 2,321,453 | CREW: Josh O'Connell | |
| SYSTEM: | BORING LOCATION: Outside South of SB-04-2 | | LAND ELEV.: 35.0 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 01/07/13 | FINISH DATE: 01/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 35.0 |
| 0.0 | | | ▲0.0 | | SW | | Lt. gray gravel fill with med. brown f. SAND w/red bricks. Well graded. | |
| 0.7 | | | | 0.7-1.2 | | | | |
| 1.0 | | | | | | | 1.0 | 34.0 |
| 1.2 | | | ▲0.0 | | SW | | S.A.A. w/black f. to med. SAND. | |
| 2.0 | | | | | | | 2.0 | 33.0 |
| | | | ▲1.3 | | SP | | Black f. SAND w/tr. glass fragments. Gap-graded. | |
| 3.0 | | | | | | | 3.0 | 32.0 |
| | | | ▲0.7 | | SP | | S.A.A. no glass but various size rock fragments. Saturated @ 4.5' BLS. | |
| 4.0 | | | | | | | 4.0 | 31.0 |
| | | | | | | | Boring Terminated at Elevation 31.0 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Corey Futral | BORING ID: SB-25 |
| | | DRILLER: | |
| NORTHING: 178,956 | EASTING: 2,321,488 | CREW: Josh O'Connell | |
| SYSTEM: | BORING LOCATION: Outside East of SB-04-2 | | LAND ELEV.: 33.5 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 01/07/13 | FINISH DATE: 01/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 33.5 |
| 0.0 | | | ▲0.0 | | SW | | gray and blacks Gravel and asphalt, f. SAND. Well graded. | |
| 0.7 | | | | 0.7-1.2 | | | | |
| 1.0 | | | | | | | | |
| 1.2 | | | ▲0.0 | | | | | |
| 2.0 | | | | | | | 2.0 | 31.5 |
| | | | ▲0.0 | | SM | | Black Silty f. SAND w/gravel and rocks. Gap-graded. | |
| 3.0 | | | | | | | | |
| | | | ▲0.0 | | | | | |
| 4.0 | | | | | | | 4.0 | 29.5 |
| | | | | | | | Boring Terminated at Elevation 29.5 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_208-069 COCA COLA_SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | **LOGGED BY:** Corey Futral | **DRILLER:** | **BORING ID:** SB-26 |
| **NORTHING:** 178,982 | **EASTING:** 2,321,512 | **CREW:** Josh O'Connell | |
| **SYSTEM:** | **BORING LOCATION:** Outside East of SB-07-2 | | **LAND ELEV.:** 32.1 |
| **DRILL MACHINE:** Hand Auger | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 1.0 |
| **START DATE:** 01/07/13 | **FINISH DATE:** 01/07/03 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 32.1 |
| 0.0 | | | ▲0.3 | | GW | | Med. gray gravel fill w/ black Silty f. SAND. Well graded. Boring terminated @ 1' BLS, soil saturated @ 1'. | |
| 0.7 | | | | 0.7-1.2 | | | | |
| 1.0 | | | | | | | 1.0 | 31.1 |
| 1.2 | | | | | | | Boring Terminated at Elevation 31.1 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Corey Futral | BORING ID: SB-27 |
| | | DRILLER: | |
| NORTHING: 179,021 | EASTING: 2,321,509 | CREW: Josh O'Connell | |
| SYSTEM: | BORING LOCATION: Outside East of SB-19 | | LAND ELEV.: 32.7 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 01/07/13 | FINISH DATE: 01/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 32.7 |
| 0.0 | | | ▲9.4 | | | | | |
| 0.8 | | | | | | | | |
| 1.0 | | | | 0.8-1.3 | SW | | Black to med brown f. SAND w/gravel. Well-graded. | |
| 1.3 | | | ▲9.5 | | | | | |
| 2.0 | | | | | | | 2.0 | 30.7 |
| | | | ▲10.2 | | | | | |
| 3.0 | | | | | SW | | Black f. SAND tr. silt and gravel. Gap-graded. | |
| | | | ▲9.7 | | | | | |
| 4.0 | | | | | | | 4.0 | 28.7 |
| | | | | | | | Boring Terminated at Elevation 28.7 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Corey Futral | BORING ID: SB-28 |
| | | DRILLER: | |
| NORTHING: 179,046 | EASTING: 2,321,505 | CREW: Josh O'Connell | |
| SYSTEM: | BORING LOCATION: Outside North of SB-27 | | LAND ELEV.: 33.2 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 01/07/03 | FINISH DATE: 01/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 33.2 |
| 0.0 | | | ▲0.2 | | SW | | Black f. SAND tr. silt, glass and red brick present. Gap-graded. | 1.0 | 32.2 |
| 0.7 | | | | 0.7-1.2 | | | | | |
| 1.0 | | | | | SP | | S.A.A. no glass or brick grading to a med tan f. SAND. Uniform. | 2.0 | 31.2 |
| 1.2 | | | ▲0.8 | | | | | | |
| 2.0 | | | ▲2.8 | | SP | | S.A.A. med. gray, tr. roots @ depth. | 3.0 | 30.2 |
| 3.0 | | | ▲2.7 | | SP | | S.A.A. no roots. | 4.0 | 29.2 |
| 4.0 | | | | | | | Boring Terminated at Elevation 29.2 ft | | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Corey Futral | BORING ID: SB-29 |
| | | DRILLER: | |
| NORTHING: 179,011 | EASTING: 2,321,383 | CREW: Josh O'Connell | |
| SYSTEM: | BORING LOCATION: Inside West of SB-09 | | LAND ELEV.: 37.2 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 01/07/13 | FINISH DATE: 01/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 37.2 |
| 0.0 | | | | | | | Concrete. | 0.5 | 36.7 |
| | | | ▲2.8 | | SW | | Lt. to med. brown to black f. SAND w/rock fragments. Gap-graded. | 1.0 | 36.2 |
| 1.0 | | | ▲2.9 | | SP | | S.A.A. No rocks. Uniform. | 2.0 | 35.2 |
| 2.0 | | | | 2.0-2.5 | | | | | |
| 2.5 | | | ▲2.8 | | SP | | Dk. gray to black f. SAND w/silt. Uniform. | 3.0 | 34.2 |
| 3.0 | | | ▲1.7 | | SP | | Black f. SAND w/silt. Uniform. | 4.0 | 33.2 |
| 4.0 | | | | | | | Boring Terminated at Elevation 33.2 ft | | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | **LOGGED BY:** Corey Futral | **DRILLER:** | **BORING ID:** SB-30 |
| **NORTHING:** 179,071 | **EASTING:** 2,321,467 | **CREW:** Josh O'Connell | |
| **SYSTEM:** | **BORING LOCATION:** Inside South of SB-31 | | **LAND ELEV.:** 37.0 |
| **DRILL MACHINE:** Hand Auger | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 4.0 |
| **START DATE:** 01/07/13 | **FINISH DATE:** 01/07/13 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 37.0 |
| 0.0 | | | | | | | Concrete 0.5 | 36.5 |
| | | | ▲2.8 | | SW | | Med. brown f. SAND. Various sized rocks fragments. Gap-graded. 1.0 | 36.0 |
| 1.0 | | | | | | | | |
| 1.5 | | | ▲1.9 | 1.5-2.0 | | | | |
| 2.0 | | | | | | | | |
| | | | ▲2.2 | | SW | | Black f. SAND w/red brick chunks present. Gap-graded. | |
| 3.0 | | | | | | | | |
| | | | ▲2.4 | | | | | |
| 4.0 | | | | | | | 4.0 | 33.0 |
| | | | | | | | Boring Terminated at Elevation 33.0 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Corey Futral | BORING ID: SB-31 |
| | | DRILLER: | |
| NORTHING: 179,095 | EASTING: 2,321,464 | CREW: Josh O'Connell | |
| SYSTEM: | BORING LOCATION: Inside North of SB-30 | | LAND ELEV.: 37.2 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 4.0 |
| START DATE: 01/07/13 | FINISH DATE: 01/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 37.2 |
| 0.0 | | | | | | | Concrete 0.5 | 36.7 |
| | | | ▲1.2 | | SP | | Lt. to med. brown f. SAND. Uniform. 1.0 | 36.2 |
| 1.0 | | | ▲1.3 | | SP | | Black f. SAND tr. silt w/tr. rock fragments. Gap-graded. 2.0 | 35.2 |
| 2.0 | | | | 2.0-2.5 | | | | |
| 2.5 | | | ▲1.3 | | | | | |
| 3.0 | | | | | SP | | S.A.A. No rock fragments. Uniform. | |
| | | | ▲1.5 | | | | | |
| 4.0 | | | | | | | 4.0 Boring Terminated at Elevation 33.2 ft | 33.2 |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Rick Garrett | BORING ID: SB-32 |
| | | DRILLER: | |
| NORTHING: 178,956 | EASTING: 2,321,385 | CREW: Bill Miller | |
| SYSTEM: | BORING LOCATION: Beside Western gate | | LAND ELEV.: 37.8 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 1.5 |
| START DATE: 03/07/13 | FINISH DATE: 03/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | DEPTH 0.0 LAND SURFACE | 37.8 |
| 0.0 | | | ▲0 | | SP | | Med. to drk. brown SAND. Med. to well sorted. | |
| 0.5 | | | ▲0 | | | | | |
| 1.0 | | | | | | | 1.0 | 36.8 |
| | | | ▲0 | 1.0-1.5 | SP | | Med. to drk. brown SAND. Med. to well sorted, some gravel sized bricks. | |
| 1.5 | | | | | | | 1.5 | 36.3 |
| | | | | | | | Boring Terminated at Elevation 36.3 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | **LOGGED BY:** Rick Garrett | **DRILLER:** | **BORING ID:** SB-33 |
| **NORTHING:** 178,959 | **EASTING:** 2,321,513 | **CREW:** Bill Miller | |
| **SYSTEM:** | **BORING LOCATION:** SE corner | | **LAND ELEV.:** 31.8 |
| **DRILL MACHINE:** Hand Auger | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 1.0 |
| **START DATE:** 03/07/13 | **FINISH DATE:** 03/07/13 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 31.8 |
| 0.0 | | | ▲0 | | SW | | Gravel SAND mix. Med. gray. | |
| 0.5 | | | | | | | 0.5 | 31.3 |
| | | | ▲0 | 0.5-1.0 | SP/ ML | | Drk. brown, Sandy SILT to Silty SAND. | |
| 1.0 | | | | | | | 1.0 | 30.8 |
| | | | | | | | Boring Terminated at Elevation 30.8 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Rick Garrett<br>DRILLER: | BORING ID: **SB-34** |
| NORTHING: 179,077 | EASTING: 2,321,501 | CREW: Bill Miller | |
| SYSTEM: | BORING LOCATION: NE corner inside fence | | LAND ELEV.: 33.6 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 1.5 |
| START DATE: 03/07/13 | FINISH DATE: 03/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 33.6 |
| | | | | | GW | | 1.0 | Med. gray GRAVEL w/sand. | 32.6 |
| 1.0 | | | ▲151 | 1.0-1.25 | SP | | 1.3 | Med. brown SAND w/tr. gravel. | 32.3 |
| 1.3 | | | ▲442 | | SP | | 1.5 | Med. to drk. brown SAND. | 32.1 |
| 1.5 | | | | | | | | Boring Terminated at Elevation 32.1 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Rick Garrett | DRILLER: | BORING ID: SB-35 |
| NORTHING: 179,121 | EASTING: 2,321,500 | CREW: Bill Miller | |
| SYSTEM: | BORING LOCATION: NE corner of BLDG. outside fence by sidewalk in grass | | LAND ELEV.: 34.0 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 1.5 |
| START DATE: 03/07/13 | FINISH DATE: 03/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | DEPTH | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | LAND SURFACE | 0.0 | 34.0 |
| 0.0 | | | ▲0 | | | | | | |
| 0.5 | | | | | SM | | Drk. brown Silty SAND | | |
| | | | ▲0 | | | | | 1.0 | 33.0 |
| 1.0 | | | | | | | | | |
| | | | ▲0 | 1.0-1.5 | SW | | S.A.A. w/some gravel. | | |
| 1.5 | | | | | | | | 1.5 | 32.5 |

Boring Terminated at Elevation 32.5 ft

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Rick Garrett | BORING ID: SB-36 |
| | | DRILLER: | |
| NORTHING: 179,082 | EASTING: 2,321,533 | CREW: Bill Miller | |
| SYSTEM: | BORING LOCATION: N in Carolina Carburator parking lot in asphalt | | LAND ELEV.: 31.9 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 2.0 |
| START DATE: 03/07/13 | FINISH DATE: 03/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 31.9 |
| 0.0 | | | ▲488 | | | | 0.2 | Asphalt | 31.7 |
| 0.5 | | | | | GW | | 0.5 | Gravel base | 31.4 |
| | | | ▲310 | | SP | | 1.0 | Orange SAND, med to well sorted. | 30.9 |
| 1.0 | | | ▲266 | 1.0-1.5 | | | | | |
| 1.5 | | | | | SP | | | S.A.A. med. brown. | |
| 2.0 | | | | | | | 2.0 | | 29.9 |

Boring Terminated at Elevation 29.9 ft

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | LOGGED BY: Rick Garrett | BORING ID: SB-37 |
| | | DRILLER: | |
| NORTHING: 179,049 | EASTING: 2,321,535 | CREW: Bill Miller | |
| SYSTEM: | BORING LOCATION: Center boring in CC prk lot in asphalt. | | LAND ELEV.: 31.1 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 2.0 |
| START DATE: 03/07/13 | FINISH DATE: 03/07/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 31.1 |
| 0.0 | | | | | | | 0.2 | Asphalt | 30.9 |
| | | | ▲0 | | GW | | 0.5 | Gravel base | 30.6 |
| 0.8 | | | | | SC | | 0.8 | Yellow-orange, SAND w/clay tr. gravel. | 30.3 |
| 1.0 | | | ▲0 | | | | | | |
| | | | ▲0 | 1.0-1.5 | SM | | | Drk. brown, SAND w/silt. | |
| 1.5 | | | | | | | | | |
| 2.0 | | | | | | | 2.0 | | 29.1 |

Boring Terminated at Elevation 29.1 ft

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| **PROJECT NO.:** 208-069 | **STATE:** NC | **COUNTY:** New Hanover | **LOCATION:** Wilmington |
| **PROJECT NAME:** Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | | **LOGGED BY:** Rick Garrett | **BORING ID:** |
| | | **DRILLER:** | **SB-38** |
| **NORTHING:** 178,990 | **EASTING:** 2,321,542 | **CREW:** Bill Miller | |
| **SYSTEM:** | **BORING LOCATION:** S. boring in CC prk lot in asphalt near sw drain. | | **LAND ELEV.:** 30.2 |
| **DRILL MACHINE:** Hand Auger | **METHOD:** | **0 HOUR DTW:** N/A | **BORING DEPTH:** 2.0 |
| **START DATE:** 03/07/13 | **FINISH DATE:** 03/07/13 | **24 HOUR DTW:** N/A | **WATER DEPTH:** -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 | LAND SURFACE | 30.2 |
| 0.0 | | | | | | | 0.2 | Asphalt | 30.0 |
| | | | ▲0 | | GW | | 0.5 | Gravel base | 29.7 |
| 0.5 | | | ▲0 | 0.5-1.0 | SP | | 1.0 | Drk. brown, SAND w/gravel. | 29.2 |
| 1.0 | | | ▲0 | | SM | | 2.0 | Drk. brown-black, SAND w/silt. | 28.2 |
| 1.5 | | | | | | | | | |
| 2.0 | | | | | | | | Boring Terminated at Elevation 28.2 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-39 |
| NORTHING: | EASTING: | CREW: | |
| SYSTEM: | BORING LOCATION: 50' E. of SB-35 | | LAND ELEV.: 32.6 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 1.5 |
| START DATE: 04/04/13 | FINISH DATE: 04/04/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 32.6 |
| 0.0 | | | ▲0.0 | | SP | | Grass at top of sample. Black to drk. brown, f. SAND tr. roots in top 0.5' few rock present at depth. Uniform grading to gap-graded at depth. | |
| 0.5 | | | ▲0.0 | | | | | |
| 1.0 | | | ▲0.0 | 1.0-1.5 | | | | |
| 1.5 | | | | | | | 1.5 | 31.1 |
| | | | | | | | Boring Terminated at Elevation 31.1 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO_LOG_208-069 COCA COLA_SURVEYED.GPJ CATLIN.GDT 05/24/13

# BORING LOG

CATLIN Engineers and Scientists
Wilmington, NC

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Corey Futral | DRILLER: | BORING ID: SB-40 |
| NORTHING: | EASTING: | CREW: | |
| SYSTEM: | BORING LOCATION: 50' E. of SB-39 | | LAND ELEV.: 30.9 |
| DRILL MACHINE: Hand Auger | METHOD: | 0 HOUR DTW: N/A | BORING DEPTH: 1.5 |
| START DATE: 04/04/13 | FINISH DATE: 04/04/13 | 24 HOUR DTW: N/A | WATER DEPTH: -- |

| DEPTH | BLOW COUNT 0.5 0.5 0.5 0.5 | MOI. | PID RESULTS (ppm) 0 250 500 750 1,000 | LAB. | USCS | LOG | SOIL AND ROCK DESCRIPTION | ELEVATION |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 0.0 LAND SURFACE | 30.9 |
| 0.0 | | | ▲0.0 | | SP | | Grass at top. Black to drk. brown, f. SAND little to no roots in sample w/tr rocks increase at depth. Uniform grading to Gap-graded at depth. | |
| 0.5 | | | ▲0.0 | | | | | |
| 1.0 | | | ▲0.0 | 1.0-1.5 | | | | |
| 1.5 | | | | | | | 1.5 | 29.4 |
| | | | | | | | Boring Terminated at Elevation 29.4 ft | |

▽ = 0hr. DTW ▼ = 24hr. DTW

CATLIN ENVIRO LOG 208-069 COCA COLA SURVEYED.GPJ CATLIN.GDT 05/24/13

FILE COPY

CATLIN
Engineers and Scientists

Post Office Box 10279
Wilmington, North Carolina 28404-0279

Telephone: (910) 452-5861
Fax: (910) 452-7563

www.catlinusa.com

November 10, 2008

North Carolina Department of Environment and Natural Resources
Division of Water Quality
Attn: Information Management
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

Re: NC Well Construction and/or Abandonment Record(s)
Coca-Cola Bottling Co.
Wilmington, North Carolina
CATLIN Project No. 208-069

To Whom It May Concern:

CATLIN Engineers and Scientists (CATLIN) recently constructed and/or abandoned well(s) at the above referenced site. Attached to this letter are completed North Carolina Well Construction Records and/or North Carolina Well Abandonment Records with associated Figure(s) for the above referenced site located at 921 Princess Street in Wilmington, North Carolina.

If you have any questions or require any additional information, please feel free to contact us at (910) 452-5861.

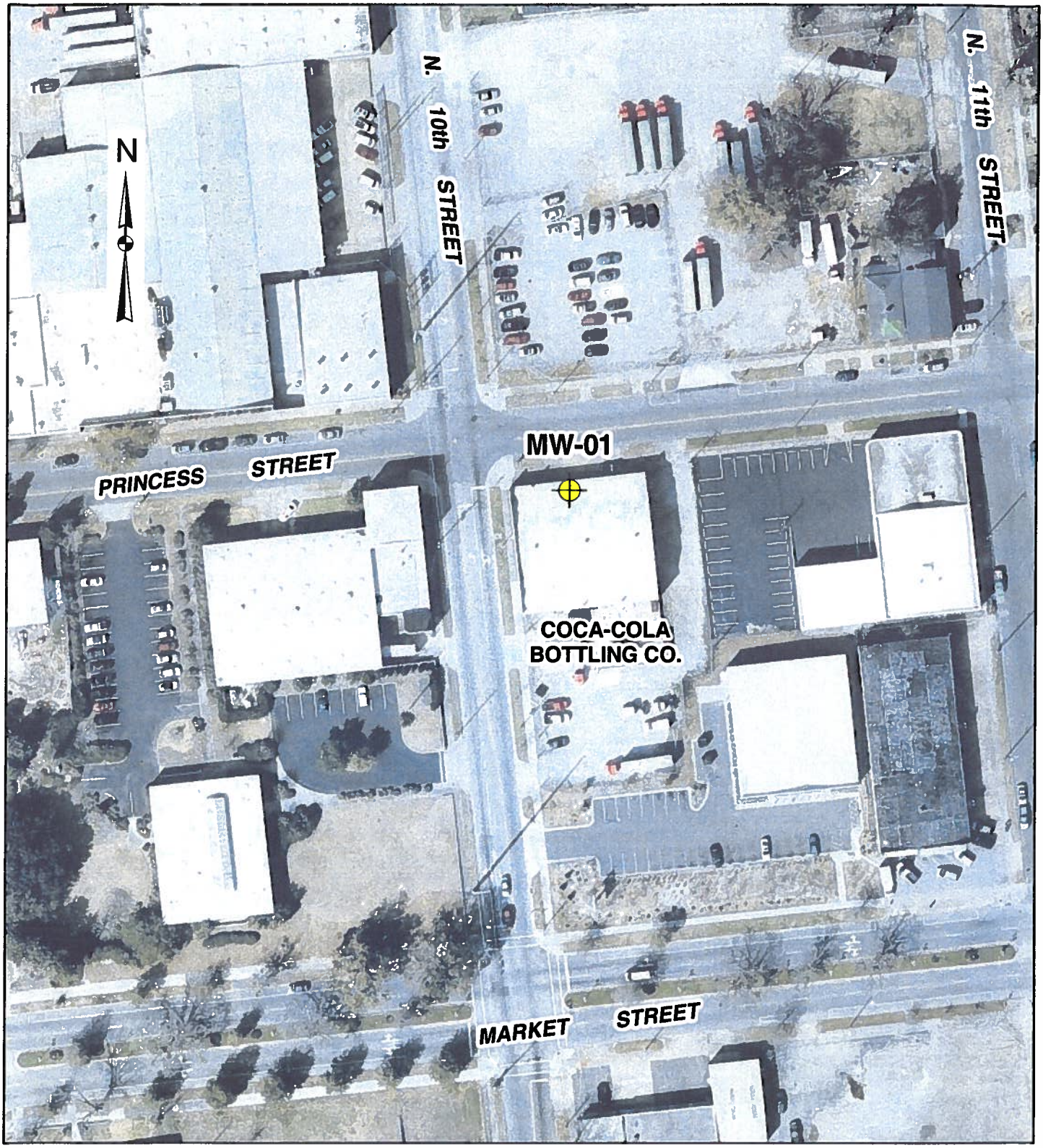
Sincerely,

G. Richard Garrett, P.G.
Project Manager

Enclosures

cc: Doug Leonard, Coca Cola Bottling Co. w/ encl's

S:\GINT\PROJECTS\208-069 COCA COLA GPJ,NC WELL LETTER




Data Source: Adapted from New Hanover County Tax Department Aerial Photography (2006)

100 50 0 100 Feet

CATLIN Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405

| PROJECT | TITLE | FIGURE |
|---|---|---|
| LIMITED SOIL & GROUNDWATER SAMPLING REPORT COCA-COLA BOTTLING CO. WILMINGTON, NC | SITE VICINITY MAP | 1 |

| JOB NO. | DATE | SCALE | DRAWN BY | CHECKED BY |
|---|---|---|---|---|
| 208-069 | NOV 2008 | AS SHOWN | THW | GRG |

# NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

**WELL CONTRACTOR CERTIFICATION #:** 2869

**1. WELL CONTRACTOR:**

Bobbie D. Fowler
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

STREET ADDRESS 220 Old Dairy Road

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

( 910 ) - 452-5861
Area code - Phone number

**2. WELL INFORMATION**

**SITE WELL ID #(if applicable):** MW-01
**STATE WELL PERMIT #(if applicable):** N/A
**DWQ or OTHER PERMIT # (if applicable):** N/A
**WELL USE** (Check Applicable Box): Monitoring ☒ Municipal/Public ☐
Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐
Irrigation ☐ Other ☐ (list use): _____
**DATE DRILLED:** 10/23/2008
**TIME COMPLETED:** 14:00 **AM** ☐ **PM** ☒

**3. WELL LOCATION:**

CITY: Wilmington COUNTY: New Hanover
921 Princess Street, 28401
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING
Slope ☐ Valley ☐ Flat ☒ Ridge ☐ Other: _____

NORTHING: 34.2
EASTING: 77.9
WGS 84 (NAD 83)
May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☐ GPS ☒ Topo. map
*(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)*

**4. FACILITY** - is the name of the business where the well is located.

FACILITY ID #(if applicable) N/A
NAME OF FACILITY:
STREET ADDRESS: 921 Princess Street

Wilmington | NC | 28401
City or Town | State | Zip Code

CONTACT PERSON: Doug Leonard
STREET ADDRESS: 921 Princess St.

Wilmington | NC | 28401
City or Town | State | Zip Code

910-762-0375
Area code - Phone number

**5. WELL DETAILS:**

**a. TOTAL DEPTH:** 12
**b. DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒
**c. WATER LEVEL Below Top of Casing:** 4.17 FT.
(Use "+" if Above Top of Casing)

**d. TOP OF CASING IS** 0 FT. Above Land Surface*
* Top of casing terminated at/or below land surface requires a variance in accordance with 15A NCAC 2C.0118

**e. YIELD (gpm):** N/A **METHOD OF TEST:** N/A
**f. DISINFECTION: Type** N/A **Amount:** N/A
**g. WATER ZONES** (depth):
From ____ To ____ From ____ To ____
From ____ To ____ From ____ To ____
From ____ To ____ From ____ To ____

**6. CASING:**

| | Depth | | Diameter | Thickness/ Weight | Material |
|---|---|---|---|---|---|
| From 0 | To 2 | ft. | 2" | Sch. 40 | PVC |
| From ____ | To ____ | ft. | " | | |
| From ____ | To ____ | ft. | " | | |

**7. GROUT:**

| | Depth | | Material | Method |
|---|---|---|---|---|
| From ____ | To ____ | Ft. | | |
| From 0.5 | To 1 | Ft. | | |
| From ____ | To ____ | Ft. | | |

**8. SCREEN:**

| | Depth | | Diameter | Slot Size | Material |
|---|---|---|---|---|---|
| From 2 | To 12 | Ft. | 2 in. | Slot .010in. | PVC |
| From ____ | To ____ | Ft. | ____ in. | ____ in. | |
| From ____ | To ____ | Ft. | ____ in. | ____ in. | |

**9. SAND/GRAVEL PACK:**

| | Depth | | Size | Material |
|---|---|---|---|---|
| From 1 | To 12 | Ft. | #2 Medium | Torpedo Sand |
| From ____ | To ____ | Ft. | | |
| From ____ | To ____ | Ft. | | |

**10. DRILLING LOG**

| From | To | Formation Description |
|---|---|---|
| | | SEE ATTACHED |

**11. REMARKS:**

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER

Bob D. Fowler — 11-12-08
SIGNATURE OF CERTIFIED WELL CONTRACTOR — DATE

Bobbie D. Fowler
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

**Submit the original to the Division of Water Quality within 30 days, Attn: Information Management, 1617 Mail Service Center - Raleigh, NC 27699167, Phone No. (919) 733-7015 ext 568.**

Modified from Form GW-1b Rev. 7/05

# WELL LOG

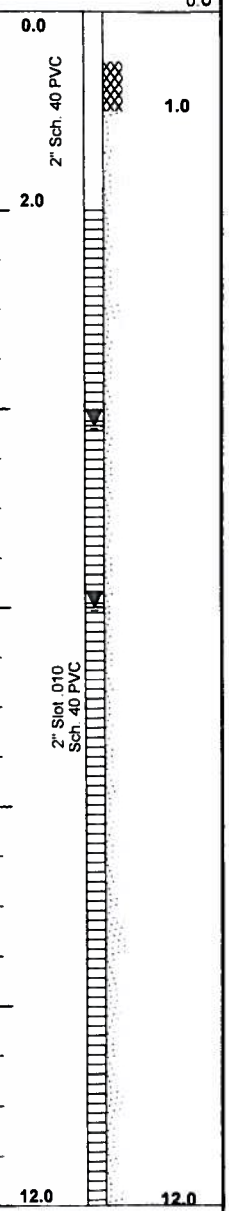
CATLIN ENGINEERS and SCIENTISTS
208-069
Wilmington, NC

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Coca-Cola Bottling Co. | | LOGGED BY: Justin Heter | WELL ID: MW-01 |
| | | DRILLER: Bobbie D. Fowler | |
| NORTHING: 34.2 | EASTING: 77.9 | CREW: | |
| SYSTEM: WGS 84 (NAD 83) | BORING LOCATION: Inside Building | | T.O.C. ELEV.: |
| DRILL MACHINE: Diedrich D-50 | METHOD: H.S. Augers | 0 HOUR DTW: 6.0 | TOTAL DEPTH: 12.0 |
| START DATE: 10/23/08 | FINISH DATE: 10/23/08 | 24 HOUR DTW: 4.2 | WELL DEPTH: 12.0 |

| DEPTH | BLOW COUNT 6in | 6in | 6in | 6in | OVA (ppm) | LAB. | USCS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 0.0 | LAND SURFACE |
| 0.0 | | | | | NM | | GW | | 0.5 | CONCRETE. Core-barrel drilled. |
| 0.5 | | | | | 0.0 | | SP | | 2.5 | Dark brown to black fine SAND. Uniform. Trace quartz fragments. No odor. Moist. Driller notes: Ceiling too low to use hammer, therefore no blow counts. |
| 2.0 | | | | | 0.0 | | SC | | 6.0 | Dark brown to black fine SAND to CLAYEY SAND. Wet @ 3' BLS. Saturated @ 5' BLS. No odor. |
| 4.0 | | | | | 0.0 | | | | | |
| 6.0 | | | | | 0.0 | | SP | | 11.0 | Dark brown to black fine SAND. Uniform. No odor. Saturated. |
| 8.0 | | | | | 0.0 | | | | | |
| 10.0 | | | | | 0.0 | | SC/CL | | 12.0 | Dark gray CLAYEY SAND grading downwards to SANDY CLAY. Moderate plasticity. No odor. Saturated. |
| | | | | | | | | | | Boring Terminated at Depth 12.0 ft SANDY CLAY. |

WELL DETAIL




Bentonite Pellets  #2 Medium Sand

CATLIN BORING LOG 208-069 COCA COLA.GPJ CATLIN.GDT 11/10/08

CATLIN
Engineers and Scientists

Post Office Box 10279
Wilmington, North Carolina 28404-0279

Telephone: (910) 452-5861
Fax: (910) 452-7563

www.catlinusa.com

September 13

North Carolina Department of Environment and Natural Resources
Division of Water Quality
Information Processing
1617 Mail Service Center
Raleigh, North Carolina 27699-1617

Re: NC Well Construction and/or Abandonment Record(s)
Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility
Wilmington, North Carolina
CATLIN Project No. 208-069

To Whom It May Concern:

CATLIN Engineers and Scientists (CATLIN) recently constructed and/or abandoned well(s) at the above referenced site. Attached to this letter are completed North Carolina Well Construction Records and/or North Carolina Well Abandonment Records with associated Attachment(s) for the above referenced site located at 921 Princess Street in Wilmington, North Carolina.

If you have any questions or require any additional information, please feel free to contact us at (910) 452-5861.

Sincerely,

G. Richard Garrett, P.G.
Project Manager

Enclosures

S:\GINT\PROJECTS\208-069 COCA COLA.GPJ,NC WELL LETTER

# NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources - Division of Water Quality

**WELL CONTRACTOR CERTIFICATION #:** 2927

**1. WELL CONTRACTOR:**

William J. Miller
Well Contractor (Individual) Name

CATLIN Engineers and Scientists
Well Contractor Company Name

220 Old Dairy Road
Street Address

Wilmington | North Carolina | 28405
City or Town | State | Zip Code

( 910 ) - 452-5861
Area code - Phone number

**2. WELL INFORMATION**

WELL CONSTRUCTION PERMIT #: N/A

OTHER ASSOCIATED PERMIT # (if applicable): N/A

SITE WELL ID # (if applicable) MW-02

**3. WELL USE** (Check One Box): Monitoring ☒ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐ Irrigation ☐ Other ☐ (list use): _____

**DATE DRILLED:** August 28, 2011

**4. WELL LOCATION:**

921 Princess Street, 28401
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

CITY: Wilmington COUNTY: New Hanover

TOPOGRAPHIC / LAND SETTING (check appropriate box)

☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other: _____

LATITUDE: 34.237658 DD

LONGITUDE: -77.935988 DD

Latitude/longitude source: ☒ GPS ☐ Topo. map

*(Location of well must be shown on a USGS topo map and attached to this form if not using a GPS.)*

**5. FACILITY** (Name of the business where the well is located.)

Coca-Cola Vehicle Maint. Facility | N/A
Facility Name | Facility ID # (if applicable)

921 Princess Street
Street Address

Wilmington | NC | 28401
City or Town | State | Zip Code

Contact Name

Mailing Address

City or Town | State | Zip Code

()-
Area code - Phone number

**6. WELL DETAILS:**

**a. TOTAL DEPTH:** 12

**b. DOES WELL REPLACE EXISTING WELL?** YES ☐ NO ☒

**c. WATER LEVEL Below Top of Casing:** 6 FT.
(Use "+" if Above Top of Casing)

**d. TOP OF CASING IS** -0.30 FT. Above Land Surface*

* Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C.0118.

**e. YIELD (gpm):** N/A **METHOD OF TEST:** N/A

**f. DISINFECTION: Type** N/A **Amount:** N/A

**g. WATER ZONES** (depth):

Top _____ Bottom _____ Top _____ Bottom _____
Top _____ Bottom _____ Top _____ Bottom _____
Top _____ Bottom _____ Top _____ Bottom _____

**7. CASING:**

| | Depth | | Diameter | Thickness/ Weight | Material |
|---|---|---|---|---|---|
| Top 0.3 | Bottom 2 | Ft. | 2 in. | Sch. 40 | PVC |
| Top | Bottom | Ft. | in. | | |
| Top | Bottom | Ft. | in. | | |

**8. GROUT:**

| | Depth | | Material | Method |
|---|---|---|---|---|
| Top | Bottom | Ft. | | |
| Top 0.5 | Bottom 1 | Ft. | | |
| Top | Bottom | Ft. | | |

**9. SCREEN:**

| | Depth | | Diameter | Slot Size | Material |
|---|---|---|---|---|---|
| Top 2 | Bottom 12 | Ft. | 2 in. | Slot .010 in. | PVC |
| Top | Bottom | Ft. | in. | in. | |
| Top | Bottom | Ft. | in. | in. | |

**10. SAND/GRAVEL PACK:**

| | Depth | | Size | Material |
|---|---|---|---|---|
| Top 1 | Bottom 12 | Ft. | #2 Medium | Torpedo Sand |
| Top | Bottom | Ft. | | |
| Top | Bottom | Ft. | | |

**11. DRILLING LOG**

| Top | Bottom | Formation Description |
|---|---|---|
| | | SEE ATTACHED |

**12. REMARKS:**

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR | 9/13/2011 DATE

William J. Miller
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

**Submit within 30 days of completion to: Division of Water Quality - Information Processing, 1617 Mail Service Center, Raleigh, NC 27699-1617, Phone No. (919) 807-6300**

Modified from Form GW-1b Rev. 2/09

# WELL LOG

CATLIN Engineers and Scientists

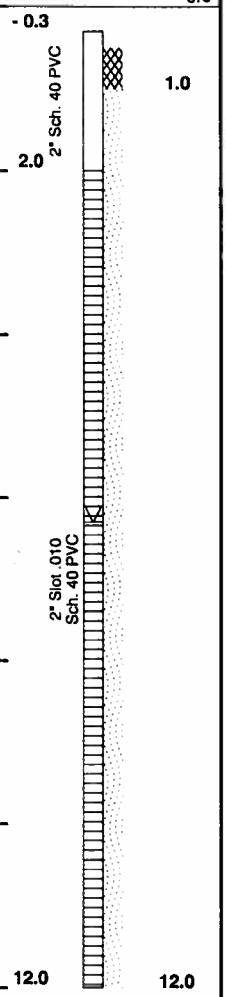
208-069

SHEET 1 OF 1

| | | | |
|---|---|---|---|
| PROJECT NO.: 208-069 | STATE: NC | COUNTY: New Hanover | LOCATION: Wilmington |
| PROJECT NAME: Wilmington Coca-Cola Bottling Works - Vehicle Maintenance Facility | LOGGED BY: Justin Heter | DRILLER: William J. Miller | WELL ID: MW-02 |
| NORTHING: 179212.5 | EASTING: 2321603.9 | CREW: Josh O'Connell | |
| SYSTEM: NCSP NAD 83 (USft) | BORING LOCATION: NE of building in gravel lot. | | T.O.C. ELEV.: |
| DRILL MACHINE: CME 45B ATV | METHOD: H.S. Augers | 0 HOUR DTW: 6.0 | TOTAL DEPTH: 15.0 |
| START DATE: 8/28/11 | FINISH DATE: 8/28/11 | 24 HOUR DTW: | WELL DEPTH: 12.0 |

| DEPTH | BLOW COUNT 6in | 6in | 6in | 6in | OVA (ppm) | LAB. | MOIS | LOG | DEPTH | SOIL AND ROCK DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 0.0 | LAND SURFACE |
| | | | | | | | | | 0.5 | (GW) - GRAVEL (FILL). No odor. |
| | | | | | | | | | 3.0 | (SP) - Dark brown f. SAND. Uniform. Some organic debris. No odor. |
| 3.0 | 2 | 5 | 3 | 3 | 0.0 | | W | | 5.0 | (SP) - S.A.A. Tr. organics. No odor. |
| | | | | | | | | | 8.0 | |
| 8.0 | woh | 0 | 0 | 0 | 0.0 | | Sat. | | 10.0 | (SC/CL) - Grayish-brown Sandy CLAY to Clayey SAND. Uniform. Soft. Mod. plasticity. No odor. |
| | | | | | | | | | 13.0 | |
| 13.0 | 4 | 3 | 4 | 3 | 0.0 | | Sat. | | 15.0 | (SP) - Grayish-brown f. SAND. Uniform. Loose. No odor. |
| | | | | | | | | | | Boring Terminated at Depth 15.0 ft |

WELL DETAIL

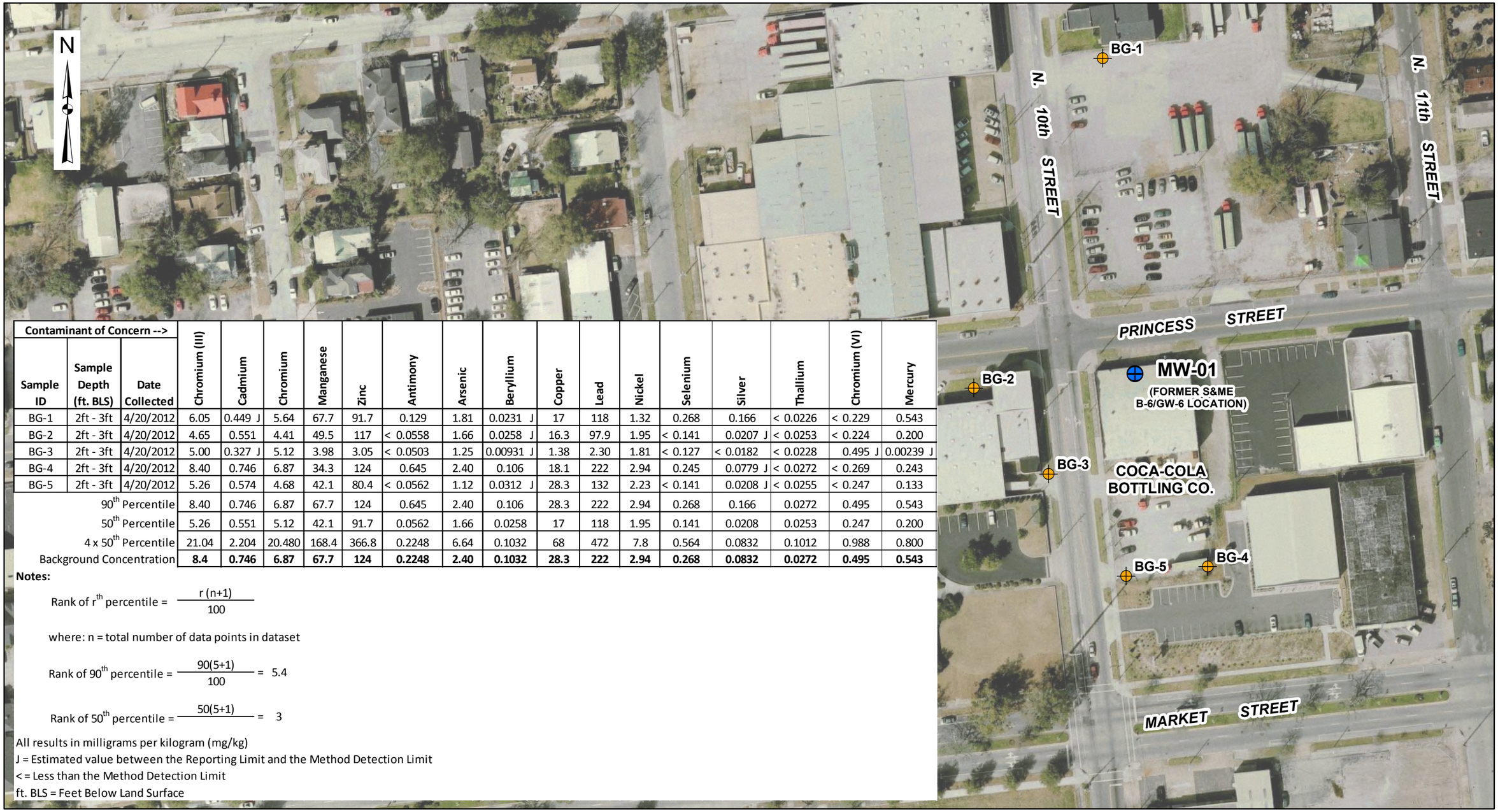



Bentonite Pellets  #2 Medium Sand

CATLIN BORING LOG 208-069 COCA COLA.GPJ CATLIN.GDT 9/13/11

# APPENDIX D

# BACKGROUND SOIL SAMPLE LOCATIONS, LABORATORY ANALYTICAL RESULTS, AND SITE SPECIFIC BACKGROUND CONCENTRATION CALCULATIONS




| Contaminant of Concern --> | | | Chromium (III) | Cadmium | Chromium | Manganese | Zinc | Antimony | Arsenic | Beryllium | Copper | Lead | Nickel | Selenium | Silver | Thallium | Chromium (VI) | Mercury |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Sample Depth (ft. BLS) | Date Collected | | | | | | | | | | | | | | | | |
| BG-1 | 2ft - 3ft | 4/20/2012 | 6.05 | 0.449 J | 5.64 | 67.7 | 91.7 | 0.129 | 1.81 | 0.0231 J | 17 | 118 | 1.32 | 0.268 | 0.166 | < 0.0226 | < 0.229 | 0.543 |
| BG-2 | 2ft - 3ft | 4/20/2012 | 4.65 | 0.551 | 4.41 | 49.5 | 117 | < 0.0558 | 1.66 | 0.0258 J | 16.3 | 97.9 | 1.95 | < 0.141 | 0.0207 J | < 0.0253 | < 0.224 | 0.200 |
| BG-3 | 2ft - 3ft | 4/20/2012 | 5.00 | 0.327 J | 5.12 | 3.98 | 3.05 | < 0.0503 | 1.25 | 0.00931 J | 1.38 | 2.30 | 1.81 | < 0.127 | < 0.0182 | < 0.0228 | 0.495 J | 0.00239 J |
| BG-4 | 2ft - 3ft | 4/20/2012 | 8.40 | 0.746 | 6.87 | 34.3 | 124 | 0.645 | 2.40 | 0.106 | 18.1 | 222 | 2.94 | 0.245 | 0.0779 J | < 0.0272 | < 0.269 | 0.243 |
| BG-5 | 2ft - 3ft | 4/20/2012 | 5.26 | 0.574 | 4.68 | 42.1 | 80.4 | < 0.0562 | 1.12 | 0.0312 J | 28.3 | 132 | 2.23 | < 0.141 | 0.0208 J | < 0.0255 | < 0.247 | 0.133 |
| | | 90th Percentile | 8.40 | 0.746 | 6.87 | 67.7 | 124 | 0.645 | 2.40 | 0.106 | 28.3 | 222 | 2.94 | 0.268 | 0.166 | 0.0272 | 0.495 | 0.543 |
| | | 50th Percentile | 5.26 | 0.551 | 5.12 | 42.1 | 91.7 | 0.0562 | 1.66 | 0.0258 | 17 | 118 | 1.95 | 0.141 | 0.0208 | 0.0253 | 0.247 | 0.200 |
| | | 4 x 50th Percentile | 21.04 | 2.204 | 20.480 | 168.4 | 366.8 | 0.2248 | 6.64 | 0.1032 | 68 | 472 | 7.8 | 0.564 | 0.0832 | 0.1012 | 0.988 | 0.800 |
| | | Background Concentration | **8.4** | **0.746** | **6.87** | **67.7** | **124** | **0.2248** | **2.40** | **0.1032** | **28.3** | **222** | **2.94** | **0.268** | **0.0832** | **0.0272** | **0.495** | **0.543** |

**Notes:**

$$\text{Rank of } r^{th} \text{ percentile} = \frac{r\,(n+1)}{100}$$

where: n = total number of data points in dataset

$$\text{Rank of } 90^{th} \text{ percentile} = \frac{90(5+1)}{100} = 5.4$$

$$\text{Rank of } 50^{th} \text{ percentile} = \frac{50(5+1)}{100} = 3$$

All results in milligrams per kilogram (mg/kg)
J = Estimated value between the Reporting Limit and the Method Detection Limit
< = Less than the Method Detection Limit
ft. BLS = Feet Below Land Surface

Data Source: Adapted from New Hanover County Tax Department Aerial Photography (2006)

100 50 0 100
Feet

CATLIN
Engineers and Scientists
220 Old Dairy Road
Wilmington, NC 28405
Corporate Licensure No. for Engineering Services C-0585

| PROJECT | TITLE | FIGURE |
|---|---|---|
| COCA-COLA BOTTLING CO.<br>WILMINGTON, NC | SITE MAP WITH BACKGROUND SOIL SAMPLE LOCATIONS | 1 |

| JOB NO. | DATE | SCALE | DRAWN BY | CHECKED BY |
|---|---|---|---|---|
| 208069 | JULY 2012 | AS SHOWN | THW | GRG |

## Laboratory Report of Analysis

To: Rick Garrett
RICHARD CATLIN & ASSOCIATES
220 Old Dairy Rd.
Wilmington, NC 28405

Report Number: **31201163**

Client Project: **Coca Cola**

Dear Rick Garrett,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Barbara A. Hager
Project Manager
barbara.hager@sgs.com

Date

Print Date: 04/30/2012

N.C. Certification # 481

## Laboratory Qualifiers

### Report Definitions

| | |
|---|---|
| DL | Method, Instrument, or Estimated Detection Limit per Analytical Method |
| CL | Control Limits for the recovery result of a parameter |
| LOQ | Reporting Limit |
| DF | Dilution Factor |
| RPD | Relative Percent Difference |
| LCS(D) | Laboratory Control Spike (Duplicate) |
| MS(D) | Matrix Spike (Duplicate) |
| MB | Method Blank |

### Qualifier Definitions

| | |
|---|---|
| * | Recovery or RPD outside of control limits |
| B | Analyte was detected in the Lab Method Blank at a level above the LOQ |
| U | Undetected (Reported as ND or < DL) |
| V | Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit |
| A | Amount detected is less than the Lower Method Calibration Limit |
| J | Estimated Concentration. |
| O | The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high |
| E | Amount detected is greater than the Upper Calibration Limit |
| S | The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s) |
| Q | Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s) |
| I | Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s) |
| DPE | Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s) |
| TIC | Tentatively Identified Compound |
| EMPC | Estimated Maximum possible Concentration due to ion ratio failure |
| ND | Not Detected |
| K | Result is estimated due to ion ratio failure in High Resolution PCB Analysis |
| P | RPD > 40% between results of dual columns |
| D | Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range |

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

| | |
|---|---|
| M1 | Mis-identified peak |
| M2 | Software did not integrate peak |
| M3 | Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one) |
| M4 | Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane) |
| M5 | Other - Explained in case narrative |

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.



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t 910.350.1903 f 910.350.1557 www.us.sgs.com
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## Sample Summary

| Client Sample ID | Lab Sample ID | Collected | Received | Matrix |
|---|---|---|---|---|
| BG-1 (2ft-3ft) | 31201163001 | 04/20/2012 08:45 | 04/20/2012 12:19 | Soil-Solid as dry weight |
| BG-2 (2ft-3ft) | 31201163002 | 04/20/2012 08:52 | 04/20/2012 12:19 | Soil-Solid as dry weight |
| BG-3 (2ft-3ft) | 31201163003 | 04/20/2012 09:00 | 04/20/2012 12:19 | Soil-Solid as dry weight |
| BG-4 (2ft-3ft) | 31201163004 | 04/20/2012 09:09 | 04/20/2012 12:19 | Soil-Solid as dry weight |
| BG-5 (2ft-3ft) | 31201163005 | 04/20/2012 09:14 | 04/20/2012 12:19 | Soil-Solid as dry weight |



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## Results of **BG-1 (2ft-3ft)**

Client Sample ID: **BG-1 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163001-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:45
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **91.7** | | 1.04 | 1.85 | mg/kg | 1 | 04/26/2012 13:57 |
| Cadmium | **0.449** | J | 0.0653 | 0.462 | mg/kg | 1 | 04/26/2012 13:57 |
| Manganese | **67.7** | | 0.253 | 0.924 | mg/kg | 1 | 04/26/2012 13:57 |
| Chromium | **5.64** | | 0.133 | 0.924 | mg/kg | 1 | 04/26/2012 13:57 |

## Batch Information

Analytical Batch: **MIP1517**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/26/2012 13:57**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:37**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-1 (2ft-3ft)**

Client Sample ID: **BG-1 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163001-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:45
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.543** | | 0.000818 | 0.0182 | mg/kg | 1 | 04/23/2012 14:16 |

## Batch Information

Analytical Batch: **MHG1234**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **04/23/2012 14:16**

Prep Batch: **MXX1959**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **04/23/2012 10:57**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-1 (2ft-3ft)**

Client Sample ID: **BG-1 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163001-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:45
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | ND | U | 0.229 | 4.17 | mg/kg | 1 | 04/27/2012 12:05 |

## Batch Information

Analytical Batch: **INO1598**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 12:05**

Prep Batch: **IXX1069**
Prep Method: **SW-846 3060A**
Prep Date/Time: **04/26/2012 08:57**
Prep Initial Wt./Vol.: **2.57 g**
Prep Extract Vol: **100 mL**



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## Results of **BG-1 (2ft-3ft)**

Client Sample ID: **BG-1 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163001-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:45
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **6.05** | | 0.154 | 1.07 | mg/kg | 1 | 04/30/2012 10:16 |

## Batch Information

Analytical Batch: **INO1601**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **NEK**
Analytical Date/Time: **04/30/2012 10:16**

Prep Batch: **INO1601**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **04/30/2012 10:16**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**



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## Results of **BG-1 (2ft-3ft)**

Client Sample ID: **BG-1 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163001-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:45
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **0.129** | | 0.0499 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |
| Arsenic | **1.81** | | 0.0804 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |
| Beryllium | **0.0231** | J | 0.00823 | 0.0462 | mg/kg | 5 | 04/26/2012 12:09 |
| Copper | **17.0** | | 0.0952 | 0.924 | mg/kg | 10 | 04/27/2012 11:29 |
| Lead | **118** | | 0.0121 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |
| Nickel | **1.32** | | 0.0586 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |
| Selenium | **0.268** | | 0.126 | 0.185 | mg/kg | 10 | 04/27/2012 11:29 |
| Silver | **0.166** | | 0.0180 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |
| Thallium | ND | U | 0.0226 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |

## Batch Information

Analytical Batch: **MMS1187**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/26/2012 12:11**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:37**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1189**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 11:29**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:37**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-2 (2ft-3ft)**

Client Sample ID: **BG-2 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163002-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:52
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 94.90

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **117** | | 5.79 | 10.3 | mg/kg | 5 | 04/27/2012 10:45 |
| Cadmium | **0.551** | | 0.0731 | 0.517 | mg/kg | 1 | 04/26/2012 14:10 |
| Manganese | **49.5** | | 0.283 | 1.03 | mg/kg | 1 | 04/26/2012 14:10 |
| Chromium | **4.41** | | 0.149 | 1.03 | mg/kg | 1 | 04/26/2012 14:10 |

## Batch Information

Analytical Batch: **MIP1517**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/26/2012 14:10**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:39**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1519**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/27/2012 10:45**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:39**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-2 (2ft-3ft)**

Client Sample ID: **BG-2 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163002-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:52
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 94.90

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.200** | | 0.000804 | 0.0179 | mg/kg | 1 | 04/23/2012 14:18 |

## Batch Information

Analytical Batch: **MHG1234**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **04/23/2012 14:18**

Prep Batch: **MXX1959**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **04/23/2012 10:57**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-2 (2ft-3ft)**

Client Sample ID: **BG-2 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163002-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:52
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 94.90

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | ND | U | 0.224 | 4.07 | mg/kg | 1 | 04/27/2012 12:11 |

## Batch Information

Analytical Batch: **INO1598**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 12:11**

Prep Batch: **IXX1069**
Prep Method: **SW-846 3060A**
Prep Date/Time: **04/26/2012 08:57**
Prep Initial Wt./Vol.: **2.59 g**
Prep Extract Vol: **100 mL**



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## Results of **BG-2 (2ft-3ft)**

Client Sample ID: **BG-2 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163002-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:52
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 94.90

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **4.65** | | 0.152 | 1.05 | mg/kg | 1 | 04/27/2012 10:47 |

## Batch Information

Analytical Batch: **INO1601**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 10:47**

Prep Batch: **INO1601**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **04/27/2012 10:47**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**



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## Results of **BG-2 (2ft-3ft)**

Client Sample ID: **BG-2 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163002-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:52
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 94.90

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.0558 | 0.103 | mg/kg | 10 | 04/26/2012 12:21 |
| Arsenic | **1.66** | | 0.0899 | 0.103 | mg/kg | 10 | 04/26/2012 12:21 |
| Beryllium | **0.0258** | J | 0.00920 | 0.0517 | mg/kg | 5 | 04/26/2012 12:18 |
| Copper | **16.3** | | 0.106 | 1.03 | mg/kg | 10 | 04/27/2012 11:36 |
| Lead | **97.9** | | 0.135 | 1.03 | mg/kg | 100 | 04/27/2012 11:38 |
| Nickel | **1.95** | | 0.0655 | 0.103 | mg/kg | 10 | 04/26/2012 12:21 |
| Selenium | ND | U | 0.141 | 0.207 | mg/kg | 10 | 04/27/2012 11:36 |
| Silver | **0.0207** | J | 0.0202 | 0.103 | mg/kg | 10 | 04/26/2012 12:21 |
| Thallium | ND | U | 0.0253 | 0.103 | mg/kg | 10 | 04/26/2012 12:21 |

## Batch Information

Analytical Batch: **MMS1187**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/26/2012 12:21**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:39**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1189**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 11:36**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:39**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-3 (2ft-3ft)**

Client Sample ID: **BG-3 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163003-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:00
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **3.05** | | 1.04 | 1.86 | mg/kg | 1 | 04/26/2012 14:15 |
| Cadmium | **0.327** | J | 0.0658 | 0.466 | mg/kg | 1 | 04/26/2012 14:15 |
| Manganese | **3.98** | | 0.255 | 0.931 | mg/kg | 1 | 04/26/2012 14:15 |
| Chromium | **5.12** | | 0.134 | 0.931 | mg/kg | 1 | 04/26/2012 14:15 |

## Batch Information

Analytical Batch: **MIP1517**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/26/2012 14:15**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-3 (2ft-3ft)**

Client Sample ID: **BG-3 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163003-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:00
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.00239** | J | 0.000853 | 0.0190 | mg/kg | 1 | 04/23/2012 14:20 |

## Batch Information

Analytical Batch: **MHG1234**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **04/23/2012 14:20**

Prep Batch: **MXX1959**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **04/23/2012 10:57**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-3 (2ft-3ft)**

Client Sample ID: **BG-3 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163003-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:00
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | **0.495** | J | 0.234 | 4.25 | mg/kg | 1 | 04/27/2012 12:15 |

## Batch Information

Analytical Batch: **INO1598**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 12:15**

Prep Batch: **IXX1069**
Prep Method: **SW-846 3060A**
Prep Date/Time: **04/26/2012 08:57**
Prep Initial Wt./Vol.: **2.54 g**
Prep Extract Vol: **100 mL**



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## Results of **BG-3 (2ft-3ft)**

Client Sample ID: **BG-3 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163003-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:00
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **5.00** | | 0.156 | 1.08 | mg/kg | 1 | 04/27/2012 10:48 |

## Batch Information

Analytical Batch: **INO1601**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 10:48**

Prep Batch: **INO1601**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **04/27/2012 10:48**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**



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## Results of **BG-3 (2ft-3ft)**

Client Sample ID: **BG-3 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163003-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:00
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.0503 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |
| Arsenic | **1.25** | | 0.0810 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |
| Beryllium | **0.00931** | J | 0.00829 | 0.0466 | mg/kg | 5 | 04/26/2012 12:28 |
| Copper | **1.38** | | 0.0959 | 0.931 | mg/kg | 10 | 04/27/2012 11:40 |
| Lead | **2.30** | | 0.0122 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |
| Nickel | **1.81** | | 0.0590 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |
| Selenium | ND | U | 0.127 | 0.186 | mg/kg | 10 | 04/27/2012 11:40 |
| Silver | ND | U | 0.0182 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |
| Thallium | ND | U | 0.0228 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |

## Batch Information

Analytical Batch: **MMS1187**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/26/2012 12:31**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1189**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 11:40**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-4 (2ft-3ft)**

Client Sample ID: **BG-4 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163004-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:09
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 81.70

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **124** | | 6.23 | 11.1 | mg/kg | 5 | 04/27/2012 10:49 |
| Cadmium | **0.746** | | 0.0786 | 0.556 | mg/kg | 1 | 04/26/2012 14:19 |
| Manganese | **34.3** | | 0.305 | 1.11 | mg/kg | 1 | 04/26/2012 14:19 |
| Chromium | **6.87** | | 0.160 | 1.11 | mg/kg | 1 | 04/26/2012 14:19 |

## Batch Information

Analytical Batch: **MIP1517**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/26/2012 14:19**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1519**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/27/2012 10:49**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-4 (2ft-3ft)**

Client Sample ID: **BG-4 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163004-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:09
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 81.70

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.243** | | 0.000918 | 0.0204 | mg/kg | 1 | 04/23/2012 14:22 |

## Batch Information

Analytical Batch: **MHG1234**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **04/23/2012 14:22**

Prep Batch: **MXX1959**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **04/23/2012 10:57**
Prep Initial Wt./Vol.: **.6 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-4 (2ft-3ft)**

Client Sample ID: **BG-4 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163004-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:09
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 81.70

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | ND | U | 0.269 | 4.89 | mg/kg | 1 | 04/27/2012 12:18 |

## Batch Information

Analytical Batch: **INO1598**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 12:18**

Prep Batch: **IXX1069**
Prep Method: **SW-846 3060A**
Prep Date/Time: **04/26/2012 08:57**
Prep Initial Wt./Vol.: **2.5 g**
Prep Extract Vol: **100 mL**



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## Results of **BG-4 (2ft-3ft)**

Client Sample ID: **BG-4 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163004-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:09
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 81.70

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **8.40** | | 0.176 | 1.22 | mg/kg | 1 | 04/27/2012 10:49 |

## Batch Information

Analytical Batch: **INO1601**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 10:49**

Prep Batch: **INO1601**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **04/27/2012 10:49**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**



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## Results of **BG-4 (2ft-3ft)**

Client Sample ID: **BG-4 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163004-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:09
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 81.70

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **0.645** | | 0.0601 | 0.111 | mg/kg | 10 | 04/26/2012 12:36 |
| Arsenic | **2.40** | | 0.0968 | 0.111 | mg/kg | 10 | 04/26/2012 12:36 |
| Beryllium | **0.106** | | 0.00990 | 0.0556 | mg/kg | 5 | 04/26/2012 12:33 |
| Copper | **18.1** | | 0.115 | 1.11 | mg/kg | 10 | 04/27/2012 11:45 |
| Lead | **222** | | 1.46 | 11.1 | mg/kg | 1000 | 04/27/2012 11:47 |
| Nickel | **2.94** | | 0.0705 | 0.111 | mg/kg | 10 | 04/26/2012 12:36 |
| Selenium | **0.245** | | 0.151 | 0.222 | mg/kg | 10 | 04/27/2012 11:45 |
| Silver | **0.0779** | J | 0.0217 | 0.111 | mg/kg | 10 | 04/26/2012 12:36 |
| Thallium | ND | U | 0.0272 | 0.111 | mg/kg | 10 | 04/26/2012 12:36 |

## Batch Information

Analytical Batch: **MMS1187**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/26/2012 12:36**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1189**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 11:45**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-5 (2ft-3ft)**

Client Sample ID: **BG-5 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163005-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:14
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 89.00

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **80.4** | | 1.16 | 2.08 | mg/kg | 1 | 04/26/2012 14:24 |
| Cadmium | **0.574** | | 0.0735 | 0.520 | mg/kg | 1 | 04/26/2012 14:24 |
| Manganese | **42.1** | | 0.285 | 1.04 | mg/kg | 1 | 04/26/2012 14:24 |
| Chromium | **4.68** | | 0.150 | 1.04 | mg/kg | 1 | 04/26/2012 14:24 |

## Batch Information

Analytical Batch: **MIP1517**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/26/2012 14:24**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:41**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-5 (2ft-3ft)**

Client Sample ID: **BG-5 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163005-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:14
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 89.00

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.133** | | 0.000842 | 0.0187 | mg/kg | 1 | 04/23/2012 14:28 |

## Batch Information

Analytical Batch: **MHG1234**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **04/23/2012 14:28**

Prep Batch: **MXX1959**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **04/23/2012 10:57**
Prep Initial Wt./Vol.: **.6 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-5 (2ft-3ft)**

Client Sample ID: **BG-5 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163005-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:14
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 89.00

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | ND | U | 0.247 | 4.49 | mg/kg | 1 | 04/27/2012 12:20 |

## Batch Information

Analytical Batch: **INO1598**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 12:20**

Prep Batch: **IXX1069**
Prep Method: **SW-846 3060A**
Prep Date/Time: **04/26/2012 08:57**
Prep Initial Wt./Vol.: **2.5 g**
Prep Extract Vol: **100 mL**



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## Results of **BG-5 (2ft-3ft)**

Client Sample ID: **BG-5 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163005-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:14
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 89.00

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **5.26** | | 0.162 | 1.12 | mg/kg | 1 | 04/27/2012 10:49 |

## Batch Information

Analytical Batch: **INO1601**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 10:49**

Prep Batch: **INO1601**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **04/27/2012 10:49**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**



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## Results of **BG-5 (2ft-3ft)**

Client Sample ID: **BG-5 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163005-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:14
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 89.00

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.0562 | 0.104 | mg/kg | 10 | 04/26/2012 12:41 |
| Arsenic | **1.12** | | 0.0905 | 0.104 | mg/kg | 10 | 04/26/2012 12:41 |
| Beryllium | **0.0312** | J | 0.00926 | 0.0520 | mg/kg | 5 | 04/26/2012 12:38 |
| Copper | **28.3** | | 0.107 | 1.04 | mg/kg | 10 | 04/27/2012 11:49 |
| Lead | **132** | | 1.36 | 10.4 | mg/kg | 1000 | 04/27/2012 11:51 |
| Nickel | **2.23** | | 0.0659 | 0.104 | mg/kg | 10 | 04/26/2012 12:41 |
| Selenium | ND | U | 0.141 | 0.208 | mg/kg | 10 | 04/26/2012 12:41 |
| Silver | **0.0208** | J | 0.0203 | 0.104 | mg/kg | 10 | 04/26/2012 12:41 |
| Thallium | ND | U | 0.0255 | 0.104 | mg/kg | 10 | 04/26/2012 12:41 |

## Batch Information

Analytical Batch: **MMS1187**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/26/2012 12:41**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:41**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1189**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 11:49**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:41**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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208069

# SGS

## CHAIN OF CUSTODY RECORD
## SGS North America Inc.

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- New York
- North Carolina
- Ohio

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108877

(1)

CLIENT: CATLIN

CONTACT: Rick Garrett PHONE NO:( 910) 452-5861

PROJECT: Coca Cola SITE/PWSID# :

REPORTS TO: Rick Garrett email: rick.garrett@catlinusa.com FAX NO.:( )

INVOICE TO: Sheila@CATLIN QUOTE #: — P.O. NUMBER: 2120420-2

SGS Reference: 31201163

PAGE 1 OF 1

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C= COMP, G= GRAB) | Preservatives Used | Analysis Required (3): 6010C - Cd, Cr, Mn, Zn | 6020A - Sb, As, Be, Cu, Pb, Ni, Se, Tl | 7471B - Hg | Hex & Tri Chrom Speciation | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BG-1 (2'-3') | 4/20 | 8:45 | Soil | 1 | | | X | X | X | X | | | | | | |
| | BG-2 (2'-3') | 4/20 | 8:52 | | 1 | | | | | | | | | | | | |
| | BG-3 (2'-3') | 4/20 | 9:00 | | 1 | | | | | | | | | | | | |
| | BG-4 (2'-3') | 4/20 | 9:09 | | 1 | | | | | | | | | | | | |
| | BG-5 (2'-3') | 4/20 | 9:14 | | 1 | | | X | X | X | X | | | | | | |

(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: |
|---|---|---|---|
| Gary D. Fatzel | 4/20 | 12:19 | [signature] |
| Relinquished By: (2) | Date | Time | Received By: |
| Relinquished By: (3) | Date | Time | Received By: |
| Relinquished By: (4) | Date | Time | Received By: |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 3.9°C.

Special Deliverable Requirements: Summary EDD

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time: ☐ RUSH _____ Date Needed ☒ STD



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☒ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

# SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Catlin** Work Order No.: **31201163**

1. ___ Shipped
   X Hand Delivered

2. X COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. ___ Custody Tape on Container
   X No Custody Tape

4. X Samples Intact
   ___ Samples Broken / Leaking

5. X Chilled on Receipt Actual Temp.(s) in °C: 3.9
   ___ Ambient on Receipt
   X Walk-in on Ice; Coming down to temp.
   ___ Received Outside of Temperature Specifications

6. X Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. X Received Within Holding Time
   ___ Not Received Within Holding Time

9. X No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Descrepancies*

10. ___ No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: JJ

Date: Fri-4/20/12 00:00



*NCDENR must be notified when collection, holding time or preservation requirements are not met.

MI_11.6

# APPENDIX E

# LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

## Laboratory Report of Analysis

To: Rick Garrett
RICHARD CATLIN & ASSOCIATES
220 Old Dairy Rd.
Wilmington, NC 28405

Report Number: **31201163**

Client Project: **Coca Cola**

Dear Rick Garrett,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Barbara A. Hager
Project Manager
barbara.hager@sgs.com

Date

Print Date: 04/30/2012

N.C. Certification # 481

## Laboratory Qualifiers

### Report Definitions

| | |
|---|---|
| DL | Method, Instrument, or Estimated Detection Limit per Analytical Method |
| CL | Control Limits for the recovery result of a parameter |
| LOQ | Reporting Limit |
| DF | Dilution Factor |
| RPD | Relative Percent Difference |
| LCS(D) | Laboratory Control Spike (Duplicate) |
| MS(D) | Matrix Spike (Duplicate) |
| MB | Method Blank |

### Qualifier Definitions

| | |
|---|---|
| * | Recovery or RPD outside of control limits |
| B | Analyte was detected in the Lab Method Blank at a level above the LOQ |
| U | Undetected (Reported as ND or < DL) |
| V | Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit |
| A | Amount detected is less than the Lower Method Calibration Limit |
| J | Estimated Concentration. |
| O | The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high |
| E | Amount detected is greater than the Upper Calibration Limit |
| S | The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s) |
| Q | Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s) |
| I | Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s) |
| DPE | Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s) |
| TIC | Tentatively Identified Compound |
| EMPC | Estimated Maximum possible Concentration due to ion ratio failure |
| ND | Not Detected |
| K | Result is estimated due to ion ratio failure in High Resolution PCB Analysis |
| P | RPD > 40% between results of dual columns |
| D | Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range |

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

| | |
|---|---|
| M1 | Mis-identified peak |
| M2 | Software did not integrate peak |
| M3 | Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one) |
| M4 | Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane) |
| M5 | Other - Explained in case narrative |

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.



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## Sample Summary

| Client Sample ID | Lab Sample ID | Collected | Received | Matrix |
|---|---|---|---|---|
| BG-1 (2ft-3ft) | 31201163001 | 04/20/2012 08:45 | 04/20/2012 12:19 | Soil-Solid as dry weight |
| BG-2 (2ft-3ft) | 31201163002 | 04/20/2012 08:52 | 04/20/2012 12:19 | Soil-Solid as dry weight |
| BG-3 (2ft-3ft) | 31201163003 | 04/20/2012 09:00 | 04/20/2012 12:19 | Soil-Solid as dry weight |
| BG-4 (2ft-3ft) | 31201163004 | 04/20/2012 09:09 | 04/20/2012 12:19 | Soil-Solid as dry weight |
| BG-5 (2ft-3ft) | 31201163005 | 04/20/2012 09:14 | 04/20/2012 12:19 | Soil-Solid as dry weight |



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## Results of **BG-1 (2ft-3ft)**

Client Sample ID: **BG-1 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163001-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:45
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **91.7** | | 1.04 | 1.85 | mg/kg | 1 | 04/26/2012 13:57 |
| Cadmium | **0.449** | J | 0.0653 | 0.462 | mg/kg | 1 | 04/26/2012 13:57 |
| Manganese | **67.7** | | 0.253 | 0.924 | mg/kg | 1 | 04/26/2012 13:57 |
| Chromium | **5.64** | | 0.133 | 0.924 | mg/kg | 1 | 04/26/2012 13:57 |

## Batch Information

Analytical Batch: **MIP1517**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/26/2012 13:57**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:37**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-1 (2ft-3ft)**

Client Sample ID: **BG-1 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163001-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:45
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.543** | | 0.000818 | 0.0182 | mg/kg | 1 | 04/23/2012 14:16 |

## Batch Information

Analytical Batch: **MHG1234**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **04/23/2012 14:16**

Prep Batch: **MXX1959**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **04/23/2012 10:57**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-1 (2ft-3ft)**

Client Sample ID: **BG-1 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163001-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:45
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | ND | U | 0.229 | 4.17 | mg/kg | 1 | 04/27/2012 12:05 |

## Batch Information

Analytical Batch: **INO1598**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 12:05**

Prep Batch: **IXX1069**
Prep Method: **SW-846 3060A**
Prep Date/Time: **04/26/2012 08:57**
Prep Initial Wt./Vol.: **2.57 g**
Prep Extract Vol: **100 mL**



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## Results of **BG-1 (2ft-3ft)**

Client Sample ID: **BG-1 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163001-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:45
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **6.05** | | 0.154 | 1.07 | mg/kg | 1 | 04/30/2012 10:16 |

## Batch Information

Analytical Batch: **INO1601**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **NEK**
Analytical Date/Time: **04/30/2012 10:16**

Prep Batch: **INO1601**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **04/30/2012 10:16**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**



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## Results of **BG-1 (2ft-3ft)**

Client Sample ID: **BG-1 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163001-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:45
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **0.129** | | 0.0499 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |
| Arsenic | **1.81** | | 0.0804 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |
| Beryllium | **0.0231** | J | 0.00823 | 0.0462 | mg/kg | 5 | 04/26/2012 12:09 |
| Copper | **17.0** | | 0.0952 | 0.924 | mg/kg | 10 | 04/27/2012 11:29 |
| Lead | **118** | | 0.0121 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |
| Nickel | **1.32** | | 0.0586 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |
| Selenium | **0.268** | | 0.126 | 0.185 | mg/kg | 10 | 04/27/2012 11:29 |
| Silver | **0.166** | | 0.0180 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |
| Thallium | ND | U | 0.0226 | 0.0924 | mg/kg | 10 | 04/26/2012 12:11 |

## Batch Information

Analytical Batch: **MMS1187**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/26/2012 12:11**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:37**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1189**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 11:29**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:37**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-2 (2ft-3ft)**

Client Sample ID: **BG-2 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163002-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:52
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 94.90

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **117** | | 5.79 | 10.3 | mg/kg | 5 | 04/27/2012 10:45 |
| Cadmium | **0.551** | | 0.0731 | 0.517 | mg/kg | 1 | 04/26/2012 14:10 |
| Manganese | **49.5** | | 0.283 | 1.03 | mg/kg | 1 | 04/26/2012 14:10 |
| Chromium | **4.41** | | 0.149 | 1.03 | mg/kg | 1 | 04/26/2012 14:10 |

## Batch Information

Analytical Batch: **MIP1517**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/26/2012 14:10**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:39**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1519**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/27/2012 10:45**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:39**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-2 (2ft-3ft)**

Client Sample ID: **BG-2 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163002-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:52
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 94.90

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.200** | | 0.000804 | 0.0179 | mg/kg | 1 | 04/23/2012 14:18 |

## Batch Information

Analytical Batch: **MHG1234**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **04/23/2012 14:18**

Prep Batch: **MXX1959**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **04/23/2012 10:57**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-2 (2ft-3ft)**

Client Sample ID: **BG-2 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163002-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:52
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 94.90

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | ND | U | 0.224 | 4.07 | mg/kg | 1 | 04/27/2012 12:11 |

## Batch Information

Analytical Batch: **INO1598**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 12:11**

Prep Batch: **IXX1069**
Prep Method: **SW-846 3060A**
Prep Date/Time: **04/26/2012 08:57**
Prep Initial Wt./Vol.: **2.59 g**
Prep Extract Vol: **100 mL**



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## Results of **BG-2 (2ft-3ft)**

Client Sample ID: **BG-2 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163002-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:52
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 94.90

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **4.65** | | 0.152 | 1.05 | mg/kg | 1 | 04/27/2012 10:47 |

## Batch Information

Analytical Batch: **INO1601**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 10:47**

Prep Batch: **INO1601**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **04/27/2012 10:47**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**



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## Results of **BG-2 (2ft-3ft)**

Client Sample ID: **BG-2 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163002-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 08:52
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 94.90

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.0558 | 0.103 | mg/kg | 10 | 04/26/2012 12:21 |
| Arsenic | **1.66** | | 0.0899 | 0.103 | mg/kg | 10 | 04/26/2012 12:21 |
| Beryllium | **0.0258** | J | 0.00920 | 0.0517 | mg/kg | 5 | 04/26/2012 12:18 |
| Copper | **16.3** | | 0.106 | 1.03 | mg/kg | 10 | 04/27/2012 11:36 |
| Lead | **97.9** | | 0.135 | 1.03 | mg/kg | 100 | 04/27/2012 11:38 |
| Nickel | **1.95** | | 0.0655 | 0.103 | mg/kg | 10 | 04/26/2012 12:21 |
| Selenium | ND | U | 0.141 | 0.207 | mg/kg | 10 | 04/27/2012 11:36 |
| Silver | **0.0207** | J | 0.0202 | 0.103 | mg/kg | 10 | 04/26/2012 12:21 |
| Thallium | ND | U | 0.0253 | 0.103 | mg/kg | 10 | 04/26/2012 12:21 |

## Batch Information

Analytical Batch: **MMS1187**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/26/2012 12:21**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:39**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1189**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 11:36**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:39**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-3 (2ft-3ft)**

Client Sample ID: **BG-3 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163003-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:00
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **3.05** | | 1.04 | 1.86 | mg/kg | 1 | 04/26/2012 14:15 |
| Cadmium | **0.327** | J | 0.0658 | 0.466 | mg/kg | 1 | 04/26/2012 14:15 |
| Manganese | **3.98** | | 0.255 | 0.931 | mg/kg | 1 | 04/26/2012 14:15 |
| Chromium | **5.12** | | 0.134 | 0.931 | mg/kg | 1 | 04/26/2012 14:15 |

## Batch Information

Analytical Batch: **MIP1517**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/26/2012 14:15**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-3 (2ft-3ft)**

Client Sample ID: **BG-3 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163003-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:00
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.00239** | J | 0.000853 | 0.0190 | mg/kg | 1 | 04/23/2012 14:20 |

## Batch Information

Analytical Batch: **MHG1234**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **04/23/2012 14:20**

Prep Batch: **MXX1959**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **04/23/2012 10:57**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-3 (2ft-3ft)**

Client Sample ID: **BG-3 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163003-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:00
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | **0.495** | J | 0.234 | 4.25 | mg/kg | 1 | 04/27/2012 12:15 |

## Batch Information

Analytical Batch: **INO1598**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 12:15**

Prep Batch: **IXX1069**
Prep Method: **SW-846 3060A**
Prep Date/Time: **04/26/2012 08:57**
Prep Initial Wt./Vol.: **2.54 g**
Prep Extract Vol: **100 mL**



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## Results of **BG-3 (2ft-3ft)**

Client Sample ID: **BG-3 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163003-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:00
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **5.00** | | 0.156 | 1.08 | mg/kg | 1 | 04/27/2012 10:48 |

## Batch Information

Analytical Batch: **INO1601**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 10:48**

Prep Batch: **INO1601**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **04/27/2012 10:48**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**



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## Results of **BG-3 (2ft-3ft)**

Client Sample ID: **BG-3 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163003-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:00
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.0503 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |
| Arsenic | **1.25** | | 0.0810 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |
| Beryllium | **0.00931** | J | 0.00829 | 0.0466 | mg/kg | 5 | 04/26/2012 12:28 |
| Copper | **1.38** | | 0.0959 | 0.931 | mg/kg | 10 | 04/27/2012 11:40 |
| Lead | **2.30** | | 0.0122 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |
| Nickel | **1.81** | | 0.0590 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |
| Selenium | ND | U | 0.127 | 0.186 | mg/kg | 10 | 04/27/2012 11:40 |
| Silver | ND | U | 0.0182 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |
| Thallium | ND | U | 0.0228 | 0.0931 | mg/kg | 10 | 04/26/2012 12:31 |

## Batch Information

Analytical Batch: **MMS1187**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/26/2012 12:31**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1189**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 11:40**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-4 (2ft-3ft)**

Client Sample ID: **BG-4 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163004-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:09
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 81.70

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **124** | | 6.23 | 11.1 | mg/kg | 5 | 04/27/2012 10:49 |
| Cadmium | **0.746** | | 0.0786 | 0.556 | mg/kg | 1 | 04/26/2012 14:19 |
| Manganese | **34.3** | | 0.305 | 1.11 | mg/kg | 1 | 04/26/2012 14:19 |
| Chromium | **6.87** | | 0.160 | 1.11 | mg/kg | 1 | 04/26/2012 14:19 |

## Batch Information

Analytical Batch: **MIP1517**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/26/2012 14:19**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1519**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/27/2012 10:49**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-4 (2ft-3ft)**

Client Sample ID: **BG-4 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163004-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:09
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 81.70

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.243** | | 0.000918 | 0.0204 | mg/kg | 1 | 04/23/2012 14:22 |

## Batch Information

Analytical Batch: **MHG1234**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **04/23/2012 14:22**

Prep Batch: **MXX1959**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **04/23/2012 10:57**
Prep Initial Wt./Vol.: **.6 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-4 (2ft-3ft)**

Client Sample ID: **BG-4 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163004-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:09
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 81.70

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | ND | U | 0.269 | 4.89 | mg/kg | 1 | 04/27/2012 12:18 |

## Batch Information

Analytical Batch: **INO1598**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 12:18**

Prep Batch: **IXX1069**
Prep Method: **SW-846 3060A**
Prep Date/Time: **04/26/2012 08:57**
Prep Initial Wt./Vol.: **2.5 g**
Prep Extract Vol: **100 mL**



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## Results of **BG-4 (2ft-3ft)**

Client Sample ID: **BG-4 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163004-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:09
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 81.70

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **8.40** | | 0.176 | 1.22 | mg/kg | 1 | 04/27/2012 10:49 |

## Batch Information

Analytical Batch: **INO1601**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 10:49**

Prep Batch: **INO1601**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **04/27/2012 10:49**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**



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## Results of **BG-4 (2ft-3ft)**

Client Sample ID: **BG-4 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163004-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:09
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 81.70

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **0.645** | | 0.0601 | 0.111 | mg/kg | 10 | 04/26/2012 12:36 |
| Arsenic | **2.40** | | 0.0968 | 0.111 | mg/kg | 10 | 04/26/2012 12:36 |
| Beryllium | **0.106** | | 0.00990 | 0.0556 | mg/kg | 5 | 04/26/2012 12:33 |
| Copper | **18.1** | | 0.115 | 1.11 | mg/kg | 10 | 04/27/2012 11:45 |
| Lead | **222** | | 1.46 | 11.1 | mg/kg | 1000 | 04/27/2012 11:47 |
| Nickel | **2.94** | | 0.0705 | 0.111 | mg/kg | 10 | 04/26/2012 12:36 |
| Selenium | **0.245** | | 0.151 | 0.222 | mg/kg | 10 | 04/27/2012 11:45 |
| Silver | **0.0779** | J | 0.0217 | 0.111 | mg/kg | 10 | 04/26/2012 12:36 |
| Thallium | ND | U | 0.0272 | 0.111 | mg/kg | 10 | 04/26/2012 12:36 |

## Batch Information

Analytical Batch: **MMS1187**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/26/2012 12:36**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1189**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 11:45**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:40**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-5 (2ft-3ft)**

Client Sample ID: **BG-5 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163005-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:14
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 89.00

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **80.4** | | 1.16 | 2.08 | mg/kg | 1 | 04/26/2012 14:24 |
| Cadmium | **0.574** | | 0.0735 | 0.520 | mg/kg | 1 | 04/26/2012 14:24 |
| Manganese | **42.1** | | 0.285 | 1.04 | mg/kg | 1 | 04/26/2012 14:24 |
| Chromium | **4.68** | | 0.150 | 1.04 | mg/kg | 1 | 04/26/2012 14:24 |

## Batch Information

Analytical Batch: **MIP1517**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **04/26/2012 14:24**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:41**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-5 (2ft-3ft)**

Client Sample ID: **BG-5 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163005-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:14
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 89.00

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.133** | | 0.000842 | 0.0187 | mg/kg | 1 | 04/23/2012 14:28 |

## Batch Information

Analytical Batch: **MHG1234**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **04/23/2012 14:28**

Prep Batch: **MXX1959**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **04/23/2012 10:57**
Prep Initial Wt./Vol.: **.6 g**
Prep Extract Vol: **50 mL**



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## Results of **BG-5 (2ft-3ft)**

Client Sample ID: **BG-5 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163005-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:14
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 89.00

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | ND | U | 0.247 | 4.49 | mg/kg | 1 | 04/27/2012 12:20 |

## Batch Information

Analytical Batch: **INO1598**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 12:20**

Prep Batch: **IXX1069**
Prep Method: **SW-846 3060A**
Prep Date/Time: **04/26/2012 08:57**
Prep Initial Wt./Vol.: **2.5 g**
Prep Extract Vol: **100 mL**



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## Results of **BG-5 (2ft-3ft)**

Client Sample ID: **BG-5 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163005-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:14
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 89.00

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **5.26** | | 0.162 | 1.12 | mg/kg | 1 | 04/27/2012 10:49 |

## Batch Information

Analytical Batch: **INO1601**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 10:49**

Prep Batch: **INO1601**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **04/27/2012 10:49**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**



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## Results of **BG-5 (2ft-3ft)**

Client Sample ID: **BG-5 (2ft-3ft)**
Client Project ID: **Coca Cola**
Lab Sample ID: 31201163005-A
Lab Project ID: 31201163

Collection Date: 04/20/2012 09:14
Received Date: 04/20/2012 12:19
Matrix: Soil-Solid as dry weight
Solids (%): 89.00

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.0562 | 0.104 | mg/kg | 10 | 04/26/2012 12:41 |
| Arsenic | **1.12** | | 0.0905 | 0.104 | mg/kg | 10 | 04/26/2012 12:41 |
| Beryllium | **0.0312** | J | 0.00926 | 0.0520 | mg/kg | 5 | 04/26/2012 12:38 |
| Copper | **28.3** | | 0.107 | 1.04 | mg/kg | 10 | 04/27/2012 11:49 |
| Lead | **132** | | 1.36 | 10.4 | mg/kg | 1000 | 04/27/2012 11:51 |
| Nickel | **2.23** | | 0.0659 | 0.104 | mg/kg | 10 | 04/26/2012 12:41 |
| Selenium | ND | U | 0.141 | 0.208 | mg/kg | 10 | 04/26/2012 12:41 |
| Silver | **0.0208** | J | 0.0203 | 0.104 | mg/kg | 10 | 04/26/2012 12:41 |
| Thallium | ND | U | 0.0255 | 0.104 | mg/kg | 10 | 04/26/2012 12:41 |

## Batch Information

Analytical Batch: **MMS1187**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/26/2012 12:41**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:41**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1189**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **04/27/2012 11:49**

Prep Batch: **MXX1968**
Prep Method: **SW-846 3050B**
Prep Date/Time: **04/26/2012 08:41**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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208069

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108877

(1)

CLIENT: CATLIN

CONTACT: Rick Garrett PHONE NO:( 910) 452-5861

PROJECT: Coca Cola SITE/PWSID# :

REPORTS TO: Rick Garrett email: rick.garrett@catlinusa.com FAX NO.:( )

INVOICE TO: Sheila@CATLIN QUOTE #: — P.O. NUMBER: 2120420-2

SGS Reference: 31201163

PAGE 1 OF 1

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C= COMP, G= GRAB) | Preservatives Used | Analysis Required (3): 6010C - Cd, Cr, Mn, Zn | 6020A - Sb, As, Be, Cu, Pb, Ni, Se, Tl | 7471B - Hg | Hex & Tri Chrom Speciation | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | BG-1 (2'-3') | 4/20 | 8:45 | Soil | 1 | | | X | X | X | X | | | | | | |
| | BG-2 (2'-3') | 4/20 | 8:52 | | 1 | | | | | | | | | | | | |
| | BG-3 (2'-3') | 4/20 | 9:00 | | 1 | | | | | | | | | | | | |
| | BG-4 (2'-3') | 4/20 | 9:09 | | 1 | | | | | | | | | | | | |
| | BG-5 (2'-3') | 4/20 | 9:14 | | 1 | | | X | X | X | X | | | | | | |

(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: |
|---|---|---|---|
| Gary D. Fatzel | 4/20 | 12:19 | [signature] |
| Relinquished By: (2) | Date | Time | Received By: |
| Relinquished By: (3) | Date | Time | Received By: |
| Relinquished By: (4) | Date | Time | Received By: |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 3.9°C.

Special Deliverable Requirements: Summary EDD

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time: ☐ RUSH _____ Date Needed ☒ STD



☐ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
☒ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

# SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Catlin** Work Order No.: **31201163**

1. ___ Shipped
   X Hand Delivered

2. X COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. ___ Custody Tape on Container
   X No Custody Tape

4. X Samples Intact
   ___ Samples Broken / Leaking

5. X Chilled on Receipt Actual Temp.(s) in °C: 3.9
   ___ Ambient on Receipt
   X Walk-in on Ice; Coming down to temp.
   ___ Received Outside of Temperature Specifications

6. X Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. X Received Within Holding Time
   ___ Not Received Within Holding Time

9. X No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Descrepancies*

10. ___ No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: JJ

Date: Fri-4/20/12 00:00



*NCDENR must be notified when collection, holding time or preservation requirements are not met.

MI_11.6

## Laboratory Report of Analysis

To: Rick Garrett
RICHARD CATLIN & ASSOCIATES
220 Old Dairy Rd.
Wilmington, NC 28405

Report Number: **31102486**

Client Project: **Coca-Cola**

Dear Rick Garrett,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Barbara A. Hager — Date
Project Manager
barbara.hager@sgs.com



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## Laboratory Qualifiers

### Report Definitions

| | |
|---|---|
| DL | Method, Instrument, or Estimated Detection Limit per Analytical Method |
| CL | Control Limits for the recovery result of a parameter |
| LOQ | Reporting Limit |
| DF | Dilution Factor |
| RPD | Relative Percent Difference |
| LCS(D) | Laboratory Control Spike (Duplicate) |
| MS(D) | Matrix Spike (Duplicate) |
| MB | Method Blank |

### Qualifier Definitions

| | |
|---|---|
| * | Recovery or RPD outside of control limits |
| B | Analyte was detected in the Lab Method Blank at a level above the LOQ |
| U | Undetected (Reported as ND or < LOD) |
| V | Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit |
| A | Amount detected is less than the Lower Method Calibration Limit |
| J | Amount detected is between the Method Detection Limit and the Lower Calibration Limit |
| O | The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high |
| E | Amount detected is greater than the Upper Calibration Limit |
| S | The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s) |
| Q | Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s) |
| I | Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s) |
| DPE | Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s) |
| TIC | Tentatively Identified Compound |
| EMPC | Estimated Maximum possible Concentration due to ion ratio failure |
| ND | Not Detected |
| K | Result is estimated due to ion ratio failure in High Resolution PCB Analysis |
| P | RPD > 40% between results of dual columns |
| D | Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range |

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

| | |
|---|---|
| M1 | Mis-identified peak |
| M2 | Software did not integrate peak |
| M3 | Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one) |
| M4 | Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane) |
| M5 | Other - Explained in case narrative |

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.



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## Sample Summary

| Client Sample ID | Lab Sample ID | Collected | Received | Matrix |
|---|---|---|---|---|
| MW-01 | 31102486001 | 09/14/2011 14:20 | 09/14/2011 15:55 | Water |
| MW-02 | 31102486002 | 09/14/2011 12:30 | 09/14/2011 15:55 | Water |
| Equip. Rinse | 31102486003 | 09/14/2011 12:00 | 09/14/2011 15:55 | Water |
| Dup. MW-02 | 31102486004 | 09/14/2011 12:32 | 09/14/2011 15:55 | Water |
| Trip Blank | 31102486005 | 09/14/2011 00:00 | 09/14/2011 15:55 | Water |



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## Detectable Results Summary

Client Sample ID: **MW-01**
Lab Sample ID: 31102486001-A

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SM 6200-B** | Tetrachloroethene | 0.420 | ug/L | J |
| **SW-846 6010C** | Chromium | 0.00345 | mg/L | J |
| | Copper | 0.00157 | mg/L | J |
| | Manganese | 0.00844 | mg/L | J |
| | Silver | 0.00399 | mg/L | J |
| **SW-846 7470A** | Mercury | 0.0000214 | mg/L | J |

Client Sample ID: **MW-02**
Lab Sample ID: 31102486002-F

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Chromium | 0.00357 | mg/L | J |
| | Copper | 0.00263 | mg/L | J |
| | Manganese | 0.00600 | mg/L | J |
| | Selenium | 0.00302 | mg/L | J |
| | Zinc | 0.00960 | mg/L | J |
| | Silver | 0.00473 | mg/L | J |

Client Sample ID: **Equip. Rinse**
Lab Sample ID: 31102486003-A

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SM 6200-B** | Toluene | 0.360 | ug/L | J |
| **SW-846 6010C** | Chromium | 0.00246 | mg/L | J |
| | Copper | 0.00228 | mg/L | J |
| | Manganese | 0.00177 | mg/L | J |
| | Silver | 0.00453 | mg/L | J |
| **SW-846 7470A** | Mercury | 0.0000489 | mg/L | J |

**Quality Control Samples**

Client Sample ID: **MB for HBN 11666 [MXX/1512]**
Lab Sample ID: 39912

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Manganese | 0.00202 | mg/L | J |
| | Chromium | 0.00290 | mg/L | J |
| | Copper | 0.00203 | mg/L | J |
| | Silver | 0.00442 | mg/L | J |

Client Sample ID: **MB for HBN 11795 [MXX/1520]**
Lab Sample ID: 40372

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 7470A** | Mercury | 0.0000300 | mg/L | J |



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## Results of **MW-01**

Client Sample ID: **MW-01**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486001-A
Lab Project ID: 31102486

Collection Date: 09/14/2011 14:20
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 0.104 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,1,1-Trichloroethane | ND | U | 0.123 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,1,2,2-Tetrachloroethane | ND | U | 0.156 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,1,2-Trichloroethane | ND | U | 0.126 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,1-Dichloroethane | ND | U | 0.165 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,1-Dichloroethene | ND | U | 0.212 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,1-Dichloropropene | ND | U | 0.112 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,2,3-Trichlorobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,2,3-Trichloropropane | ND | U | 0.212 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,2,4-Trichlorobenzene | ND | U | 0.0913 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,2,4-Trimethylbenzene | ND | U | 0.0961 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,2-Dibromo-3-chloropropane | ND | U | 0.748 | 5.00 | ug/L | 1 | 09/15/2011 14:31 |
| 1,2-Dibromoethane | ND | U | 0.120 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,2-Dichlorobenzene | ND | U | 0.137 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,2-Dichloroethane | ND | U | 0.167 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,2-Dichloropropane | ND | U | 0.163 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,3,5-Trimethylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,3-Dichlorobenzene | ND | U | 0.103 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,3-Dichloropropane | ND | U | 0.189 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 1,4-Dichlorobenzene | ND | U | 0.130 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 2,2-Dichloropropane | ND | U | 0.393 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 2-Chlorotoluene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 4-Chlorotoluene | ND | U | 0.125 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| 4-Isopropyltoluene | ND | U | 0.0769 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Benzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Bromobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Bromochloromethane | ND | U | 0.211 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Bromodichloromethane | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Bromoform | ND | U | 0.0974 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Bromomethane | ND | U | 0.237 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| n-Butylbenzene | ND | U | 0.0769 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Carbon tetrachloride | ND | U | 0.101 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Chlorobenzene | ND | U | 0.116 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Chloroethane | ND | U | 0.311 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Chloroform | ND | U | 0.139 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Chloromethane | ND | U | 0.448 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Dibromochloromethane | ND | U | 0.134 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Dibromomethane | ND | U | 0.168 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Dichlorodifluoromethane | ND | U | 0.171 | 5.00 | ug/L | 1 | 09/15/2011 14:31 |
| cis-1,3-Dichloropropene | ND | U | 0.0767 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| trans-1,3-Dichloropropene | ND | U | 0.0862 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Diisopropyl Ether | ND | U | 0.155 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Ethyl Benzene | ND | U | 0.0877 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |



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## Results of **MW-01**

Client Sample ID: **MW-01**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486001-A
Lab Project ID: 31102486

Collection Date: 09/14/2011 14:20
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene | ND | U | 0.0792 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Isopropylbenzene (Cumene) | ND | U | 0.0869 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Methylene chloride | ND | U | 0.152 | 5.00 | ug/L | 1 | 09/15/2011 14:31 |
| Naphthalene | ND | U | 0.0855 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Styrene | ND | U | 0.102 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Tetrachloroethene | **0.420** | J | 0.155 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Toluene | ND | U | 0.133 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Trichloroethene | ND | U | 0.125 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Trichlorofluoromethane | ND | U | 0.137 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| Vinyl chloride | ND | U | 0.124 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| cis-1,2-Dichloroethene | ND | U | 0.136 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| m,p-Xylene | ND | U | 0.182 | 1.00 | ug/L | 1 | 09/15/2011 14:31 |
| n-Propylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| o-Xylene | ND | U | 0.0874 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| sec-Butylbenzene | ND | U | 0.112 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.144 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| tert-Butylbenzene | ND | U | 0.0855 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| trans-1,2-Dichloroethene | ND | U | 0.223 | 0.500 | ug/L | 1 | 09/15/2011 14:31 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 98.8 | | | 64.0-140 | % | 1 | 09/15/2011 14:31 |
| 4-Bromofluorobenzene | 102 | | | 85.0-115 | % | 1 | 09/15/2011 14:31 |
| Toluene d8 | 102 | | | 82.0-117 | % | 1 | 09/15/2011 14:31 |

## Batch Information

Analytical Batch: **VMS1545**
Analytical Method: **SM 6200-B**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **09/15/2011 14:31**

Prep Batch: **VXX2078**
Prep Method: **SM 6200-B Prep**
Prep Date/Time: **09/15/2011 10:08**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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Results of **MW-01**

Client Sample ID: **MW-01**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486001-D
Lab Project ID: 31102486

Collection Date: 09/14/2011 14:20
Received Date: 09/14/2011 15:55
Matrix: Water

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 1.79 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 1,2-Dichlorobenzene | ND | U | 1.77 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 1,3-Dichlorobenzene | ND | U | 1.71 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 1,4-Dichlorobenzene | ND | U | 1.69 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2,4,5-Trichlorophenol | ND | U | 2.16 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2,4,6-Trichlorophenol | ND | U | 2.11 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2,4-Dichlorophenol | ND | U | 2.14 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2,4-Dinitrophenol | ND | U | 0.693 | 25.9 | ug/L | 1 | 09/16/2011 23:43 |
| 2,4-Dinitrotoluene | ND | U | 1.91 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2,6-Dinitrotoluene | ND | U | 1.95 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2-Chloronaphthalene | ND | U | 2.07 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2-Chlorophenol | ND | U | 2.91 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2-Methylnaphthalene | ND | U | 2.01 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2-Methylphenol | ND | U | 2.15 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2-Nitroaniline | ND | U | 1.75 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2-Nitrophenol | ND | U | 2.04 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 3 and/or 4-Methylphenol | ND | U | 2.32 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 3,3'-Dichlorobenzidine | ND | U | 1.82 | 10.4 | ug/L | 1 | 09/16/2011 23:43 |
| 3-Nitroaniline | ND | U | 1.71 | 25.9 | ug/L | 1 | 09/16/2011 23:43 |
| 4,6-Dinitro-2-methylphenol | ND | U | 0.512 | 25.9 | ug/L | 1 | 09/16/2011 23:43 |
| 4-Chloro-3-methylphenol | ND | U | 2.05 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 4-Chloroaniline | ND | U | 1.95 | 25.9 | ug/L | 1 | 09/16/2011 23:43 |
| 4-Chlorophenyl phenyl ether | ND | U | 2.55 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Acenaphthene | ND | U | 2.14 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Acenaphthylene | ND | U | 2.07 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Anthracene | ND | U | 2.00 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Benzo(a)anthracene | ND | U | 2.03 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Benzo(a)pyrene | ND | U | 1.93 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Benzo(b)fluoranthene | ND | U | 2.03 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Benzo(g,h,i)perylene | ND | U | 2.23 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Benzo(k)fluoranthene | ND | U | 2.40 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Benzoic acid | ND | U | 2.37 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Bis(2-Chloroethoxy)methane | ND | U | 2.20 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Bis(2-Chloroethyl)ether | ND | U | 2.29 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Bis(2-Chloroisopropyl)ether | ND | U | 2.12 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 2.02 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 4-Bromophenyl phenyl ether | ND | U | 2.12 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Butyl benzyl phthalate | ND | U | 1.96 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Chrysene | ND | U | 2.28 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Di-n-butyl phthalate | ND | U | 1.98 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Di-n-octyl phthalate | ND | U | 1.51 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Dibenz(a,h)anthracene | ND | U | 2.10 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Dibenzofuran | ND | U | 2.30 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |

Print Date: 09/21/2011

N.C. Certification # 481

## Results of **MW-01**

Client Sample ID: **MW-01**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486001-D
Lab Project ID: 31102486

Collection Date: 09/14/2011 14:20
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 2.18 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Dimethyl phthalate | ND | U | 2.22 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 2,4-Dimethylphenol | ND | U | 2.29 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Diphenylamine | ND | U | 2.10 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Fluoranthene | ND | U | 2.10 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Fluorene | ND | U | 2.53 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Hexachlorobenzene | ND | U | 2.00 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Hexachlorobutadiene | ND | U | 1.58 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Hexachlorocyclopentadiene | ND | U | 0.817 | 10.4 | ug/L | 1 | 09/16/2011 23:43 |
| Hexachloroethane | ND | U | 1.45 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.10 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Isophorone | ND | U | 2.17 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Naphthalene | ND | U | 2.01 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 4-Nitroaniline | ND | U | 1.74 | 25.9 | ug/L | 1 | 09/16/2011 23:43 |
| Nitrobenzene | ND | U | 2.27 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| 4-Nitrophenol | ND | U | 1.32 | 25.9 | ug/L | 1 | 09/16/2011 23:43 |
| Pentachlorophenol | ND | U | 1.61 | 25.9 | ug/L | 1 | 09/16/2011 23:43 |
| Phenanthrene | ND | U | 2.06 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Phenol | ND | U | 2.45 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| Pyrene | ND | U | 2.09 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| n-Nitrosodi-n-propylamine | ND | U | 2.31 | 5.19 | ug/L | 1 | 09/16/2011 23:43 |
| TIC - ND | ND | TIC | | | ug/L | 1 | 09/16/2011 23:43 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 88.0 | | | 29.3-152 | % | 1 | 09/16/2011 23:43 |
| 2-Fluorobiphenyl | 87.0 | | | 50.0-107 | % | 1 | 09/16/2011 23:43 |
| 2-Fluorophenol | 82.0 | | | 33.1-118 | % | 1 | 09/16/2011 23:43 |
| Nitrobenzene-d5 | 94.0 | | | 46.0-118 | % | 1 | 09/16/2011 23:43 |
| Phenol-d6 | 83.0 | | | 49.0-120 | % | 1 | 09/16/2011 23:43 |
| Terphenyl-d14 | 86.0 | | | 22.1-142 | % | 1 | 09/16/2011 23:43 |

## Batch Information

Analytical Batch: **XMS1236**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **09/16/2011 23:43**

Prep Batch: **XXX1779**
Prep Method: **SW-846 3520C**
Prep Date/Time: **09/15/2011 14:18**
Prep Initial Wt./Vol.: **964 mL**
Prep Extract Vol: **5 mL**



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## Results of **MW-01**

Client Sample ID: **MW-01**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486001-F
Lab Project ID: 31102486

Collection Date: 09/14/2011 14:20
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.00319 | 0.0400 | mg/L | 1 | 09/16/2011 13:23 |
| Arsenic | ND | U | 0.00369 | 0.0100 | mg/L | 1 | 09/16/2011 13:23 |
| Chromium | **0.00345** | J | 0.00147 | 0.0100 | mg/L | 1 | 09/16/2011 13:23 |
| Copper | **0.00157** | J | 0.000672 | 0.0100 | mg/L | 1 | 09/16/2011 13:23 |
| Lead | ND | U | 0.00541 | 0.0100 | mg/L | 1 | 09/16/2011 13:23 |
| Manganese | **0.00844** | J | 0.00152 | 0.0100 | mg/L | 1 | 09/16/2011 13:23 |
| Nickel | ND | U | 0.00306 | 0.0100 | mg/L | 1 | 09/16/2011 13:23 |
| Selenium | ND | U | 0.00268 | 0.0200 | mg/L | 1 | 09/16/2011 13:23 |
| Zinc | ND | U | 0.00226 | 0.0200 | mg/L | 1 | 09/16/2011 13:23 |
| Silver | **0.00399** | J | 0.00105 | 0.0100 | mg/L | 1 | 09/16/2011 13:23 |

## Batch Information

Analytical Batch: **MIP1243**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **09/16/2011 13:23**

Prep Batch: **MXX1512**
Prep Method: **SW-846 3010A**
Prep Date/Time: **09/15/2011 16:13**
Prep Initial Wt./Vol.: **50 mL**
Prep Extract Vol: **50 mL**



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## Results of **MW-01**

Client Sample ID: **MW-01**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486001-F
Lab Project ID: 31102486

Collection Date: 09/14/2011 14:20
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 7470A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.0000214** | J | 0.0000190 | 0.000150 | mg/L | 1 | 09/20/2011 14:01 |

## Batch Information

Analytical Batch: **MHG1131**
Analytical Method: **SW-846 7470A**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **09/20/2011 14:01**

Prep Batch: **MXX1520**
Prep Method: **SW-846 7470A PREP**
Prep Date/Time: **09/20/2011 08:57**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **57 mL**



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## Results of **MW-01**

Client Sample ID: **MW-01**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486001-F
Lab Project ID: 31102486

Collection Date: 09/14/2011 14:20
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.000594 | 0.00500 | mg/L | 10 | 09/20/2011 12:05 |
| Cadmium | ND | U | 0.000278 | 0.00500 | mg/L | 10 | 09/20/2011 12:05 |
| Thallium | ND | U | 0.000297 | 0.00500 | mg/L | 10 | 09/20/2011 12:05 |

## Batch Information

Analytical Batch: **MMS1094**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **09/20/2011 12:05**

Prep Batch: **MXX1512**
Prep Method: **SW-846 3010A**
Prep Date/Time: **09/15/2011 16:13**
Prep Initial Wt./Vol.: **50 mL**
Prep Extract Vol: **50 mL**



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Results of **MW-02**

Client Sample ID: **MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486002-A
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:30
Received Date: 09/14/2011 15:55
Matrix: Water

Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 0.104 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,1,1-Trichloroethane | ND | U | 0.123 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,1,2,2-Tetrachloroethane | ND | U | 0.156 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,1,2-Trichloroethane | ND | U | 0.126 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,1-Dichloroethane | ND | U | 0.165 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,1-Dichloroethene | ND | U | 0.212 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,1-Dichloropropene | ND | U | 0.112 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,2,3-Trichlorobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,2,3-Trichloropropane | ND | U | 0.212 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,2,4-Trichlorobenzene | ND | U | 0.0913 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,2,4-Trimethylbenzene | ND | U | 0.0961 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,2-Dibromo-3-chloropropane | ND | U | 0.748 | 5.00 | ug/L | 1 | 09/15/2011 14:56 |
| 1,2-Dibromoethane | ND | U | 0.120 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,2-Dichlorobenzene | ND | U | 0.137 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,2-Dichloroethane | ND | U | 0.167 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,2-Dichloropropane | ND | U | 0.163 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,3,5-Trimethylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,3-Dichlorobenzene | ND | U | 0.103 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,3-Dichloropropane | ND | U | 0.189 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 1,4-Dichlorobenzene | ND | U | 0.130 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 2,2-Dichloropropane | ND | U | 0.393 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 2-Chlorotoluene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 4-Chlorotoluene | ND | U | 0.125 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| 4-Isopropyltoluene | ND | U | 0.0769 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Benzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Bromobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Bromochloromethane | ND | U | 0.211 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Bromodichloromethane | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Bromoform | ND | U | 0.0974 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Bromomethane | ND | U | 0.237 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| n-Butylbenzene | ND | U | 0.0769 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Carbon tetrachloride | ND | U | 0.101 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Chlorobenzene | ND | U | 0.116 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Chloroethane | ND | U | 0.311 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Chloroform | ND | U | 0.139 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Chloromethane | ND | U | 0.448 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Dibromochloromethane | ND | U | 0.134 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Dibromomethane | ND | U | 0.168 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Dichlorodifluoromethane | ND | U | 0.171 | 5.00 | ug/L | 1 | 09/15/2011 14:56 |
| cis-1,3-Dichloropropene | ND | U | 0.0767 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| trans-1,3-Dichloropropene | ND | U | 0.0862 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Diisopropyl Ether | ND | U | 0.155 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Ethyl Benzene | ND | U | 0.0877 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |

Print Date: 09/21/2011

N.C. Certification # 481

## Results of **MW-02**

Client Sample ID: **MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486002-A
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:30
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene | ND | U | 0.0792 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Isopropylbenzene (Cumene) | ND | U | 0.0869 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Methylene chloride | ND | U | 0.152 | 5.00 | ug/L | 1 | 09/15/2011 14:56 |
| Naphthalene | ND | U | 0.0855 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Styrene | ND | U | 0.102 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Tetrachloroethene | ND | U | 0.155 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Toluene | ND | U | 0.133 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Trichloroethene | ND | U | 0.125 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Trichlorofluoromethane | ND | U | 0.137 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| Vinyl chloride | ND | U | 0.124 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| cis-1,2-Dichloroethene | ND | U | 0.136 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| m,p-Xylene | ND | U | 0.182 | 1.00 | ug/L | 1 | 09/15/2011 14:56 |
| n-Propylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| o-Xylene | ND | U | 0.0874 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| sec-Butylbenzene | ND | U | 0.112 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.144 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| tert-Butylbenzene | ND | U | 0.0855 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| trans-1,2-Dichloroethene | ND | U | 0.223 | 0.500 | ug/L | 1 | 09/15/2011 14:56 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 101 | | | 64.0-140 | % | 1 | 09/15/2011 14:56 |
| 4-Bromofluorobenzene | 101 | | | 85.0-115 | % | 1 | 09/15/2011 14:56 |
| Toluene d8 | 103 | | | 82.0-117 | % | 1 | 09/15/2011 14:56 |

## Batch Information

Analytical Batch: **VMS1545**
Analytical Method: **SM 6200-B**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **09/15/2011 14:56**

Prep Batch: **VXX2078**
Prep Method: **SM 6200-B Prep**
Prep Date/Time: **09/15/2011 10:08**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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Results of **MW-02**

Client Sample ID: **MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486002-D
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:30
Received Date: 09/14/2011 15:55
Matrix: Water

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 1.80 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 1,2-Dichlorobenzene | ND | U | 1.78 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 1,3-Dichlorobenzene | ND | U | 1.72 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 1,4-Dichlorobenzene | ND | U | 1.69 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2,4,5-Trichlorophenol | ND | U | 2.16 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2,4,6-Trichlorophenol | ND | U | 2.11 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2,4-Dichlorophenol | ND | U | 2.14 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2,4-Dinitrophenol | ND | U | 0.694 | 26.0 | ug/L | 1 | 09/17/2011 0:31 |
| 2,4-Dinitrotoluene | ND | U | 1.91 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2,6-Dinitrotoluene | ND | U | 1.95 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2-Chloronaphthalene | ND | U | 2.08 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2-Chlorophenol | ND | U | 2.92 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2-Methylnaphthalene | ND | U | 2.02 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2-Methylphenol | ND | U | 2.15 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2-Nitroaniline | ND | U | 1.76 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2-Nitrophenol | ND | U | 2.05 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 3 and/or 4-Methylphenol | ND | U | 2.33 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 3,3'-Dichlorobenzidine | ND | U | 1.82 | 10.4 | ug/L | 1 | 09/17/2011 0:31 |
| 3-Nitroaniline | ND | U | 1.72 | 26.0 | ug/L | 1 | 09/17/2011 0:31 |
| 4,6-Dinitro-2-methylphenol | ND | U | 0.514 | 26.0 | ug/L | 1 | 09/17/2011 0:31 |
| 4-Chloro-3-methylphenol | ND | U | 2.06 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 4-Chloroaniline | ND | U | 1.95 | 26.0 | ug/L | 1 | 09/17/2011 0:31 |
| 4-Chlorophenyl phenyl ether | ND | U | 2.56 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Acenaphthene | ND | U | 2.14 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Acenaphthylene | ND | U | 2.08 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Anthracene | ND | U | 2.01 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Benzo(a)anthracene | ND | U | 2.04 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Benzo(a)pyrene | ND | U | 1.93 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Benzo(b)fluoranthene | ND | U | 2.04 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Benzo(g,h,i)perylene | ND | U | 2.23 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Benzo(k)fluoranthene | ND | U | 2.40 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Benzoic acid | ND | U | 2.37 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Bis(2-Chloroethoxy)methane | ND | U | 2.20 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Bis(2-Chloroethyl)ether | ND | U | 2.30 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Bis(2-Chloroisopropyl)ether | ND | U | 2.12 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 2.03 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 4-Bromophenyl phenyl ether | ND | U | 2.12 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Butyl benzyl phthalate | ND | U | 1.96 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Chrysene | ND | U | 2.29 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Di-n-butyl phthalate | ND | U | 1.99 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Di-n-octyl phthalate | ND | U | 1.52 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Dibenz(a,h)anthracene | ND | U | 2.10 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Dibenzofuran | ND | U | 2.31 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |

Print Date: 09/21/2011

N.C. Certification # 481

## Results of **MW-02**

Client Sample ID: **MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486002-D
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:30
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 2.18 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Dimethyl phthalate | ND | U | 2.22 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 2,4-Dimethylphenol | ND | U | 2.30 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Diphenylamine | ND | U | 2.10 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Fluoranthene | ND | U | 2.10 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Fluorene | ND | U | 2.54 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Hexachlorobenzene | ND | U | 2.01 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Hexachlorobutadiene | ND | U | 1.58 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Hexachlorocyclopentadiene | ND | U | 0.819 | 10.4 | ug/L | 1 | 09/17/2011 0:31 |
| Hexachloroethane | ND | U | 1.46 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.10 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Isophorone | ND | U | 2.17 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Naphthalene | ND | U | 2.02 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 4-Nitroaniline | ND | U | 1.75 | 26.0 | ug/L | 1 | 09/17/2011 0:31 |
| Nitrobenzene | ND | U | 2.28 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| 4-Nitrophenol | ND | U | 1.32 | 26.0 | ug/L | 1 | 09/17/2011 0:31 |
| Pentachlorophenol | ND | U | 1.61 | 26.0 | ug/L | 1 | 09/17/2011 0:31 |
| Phenanthrene | ND | U | 2.07 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Phenol | ND | U | 2.45 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Pyrene | ND | U | 2.09 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| n-Nitrosodi-n-propylamine | ND | U | 2.32 | 5.20 | ug/L | 1 | 09/17/2011 0:31 |
| Unknown | **4.29** | TIC | | | ug/L | 1 | 09/17/2011 0:31 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 78.0 | | | 29.3-152 | % | 1 | 09/17/2011 0:31 |
| 2-Fluorobiphenyl | 78.0 | | | 50.0-107 | % | 1 | 09/17/2011 0:31 |
| 2-Fluorophenol | 72.0 | | | 33.1-118 | % | 1 | 09/17/2011 0:31 |
| Nitrobenzene-d5 | 87.0 | | | 46.0-118 | % | 1 | 09/17/2011 0:31 |
| Phenol-d6 | 72.0 | | | 49.0-120 | % | 1 | 09/17/2011 0:31 |
| Terphenyl-d14 | 72.0 | | | 22.1-142 | % | 1 | 09/17/2011 0:31 |

## Batch Information

Analytical Batch: **XMS1236**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **09/17/2011 00:31**

Prep Batch: **XXX1779**
Prep Method: **SW-846 3520C**
Prep Date/Time: **09/15/2011 14:18**
Prep Initial Wt./Vol.: **962 mL**
Prep Extract Vol: **5 mL**



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## Results of **MW-02**

Client Sample ID: **MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486002-F
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:30
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.00319 | 0.0400 | mg/L | 1 | 09/16/2011 13:43 |
| Arsenic | ND | U | 0.00369 | 0.0100 | mg/L | 1 | 09/16/2011 13:43 |
| Chromium | **0.00357** | J | 0.00147 | 0.0100 | mg/L | 1 | 09/16/2011 13:43 |
| Copper | **0.00263** | J | 0.000672 | 0.0100 | mg/L | 1 | 09/16/2011 13:43 |
| Lead | ND | U | 0.00541 | 0.0100 | mg/L | 1 | 09/16/2011 13:43 |
| Manganese | **0.00600** | J | 0.00152 | 0.0100 | mg/L | 1 | 09/16/2011 13:43 |
| Nickel | ND | U | 0.00306 | 0.0100 | mg/L | 1 | 09/16/2011 13:43 |
| Selenium | **0.00302** | J | 0.00268 | 0.0200 | mg/L | 1 | 09/16/2011 13:43 |
| Zinc | **0.00960** | J | 0.00226 | 0.0200 | mg/L | 1 | 09/16/2011 13:43 |
| Silver | **0.00473** | J | 0.00105 | 0.0100 | mg/L | 1 | 09/16/2011 13:43 |

## Batch Information

Analytical Batch: **MIP1243**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **09/16/2011 13:43**

Prep Batch: **MXX1512**
Prep Method: **SW-846 3010A**
Prep Date/Time: **09/15/2011 16:13**
Prep Initial Wt./Vol.: **50 mL**
Prep Extract Vol: **50 mL**



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## Results of **MW-02**

Client Sample ID: **MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486002-F
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:30
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 7470A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | ND | U | 0.0000190 | 0.000150 | mg/L | 1 | 09/20/2011 14:08 |

## Batch Information

Analytical Batch: **MHG1131**
Analytical Method: **SW-846 7470A**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **09/20/2011 14:08**

Prep Batch: **MXX1520**
Prep Method: **SW-846 7470A PREP**
Prep Date/Time: **09/20/2011 08:57**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **57 mL**



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## Results of **MW-02**

Client Sample ID: **MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486002-F
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:30
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.000594 | 0.00500 | mg/L | 10 | 09/20/2011 12:18 |
| Cadmium | ND | U | 0.000278 | 0.00500 | mg/L | 10 | 09/20/2011 12:18 |
| Thallium | ND | U | 0.000297 | 0.00500 | mg/L | 10 | 09/20/2011 12:18 |

## Batch Information

Analytical Batch: **MMS1094**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **09/20/2011 12:18**

Prep Batch: **MXX1512**
Prep Method: **SW-846 3010A**
Prep Date/Time: **09/15/2011 16:13**
Prep Initial Wt./Vol.: **50 mL**
Prep Extract Vol: **50 mL**



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Results of **Equip. Rinse**

Client Sample ID: **Equip. Rinse**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486003-A
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:00
Received Date: 09/14/2011 15:55
Matrix: Water

Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 0.104 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,1,1-Trichloroethane | ND | U | 0.123 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,1,2,2-Tetrachloroethane | ND | U | 0.156 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,1,2-Trichloroethane | ND | U | 0.126 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,1-Dichloroethane | ND | U | 0.165 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,1-Dichloroethene | ND | U | 0.212 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,1-Dichloropropene | ND | U | 0.112 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,2,3-Trichlorobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,2,3-Trichloropropane | ND | U | 0.212 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,2,4-Trichlorobenzene | ND | U | 0.0913 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,2,4-Trimethylbenzene | ND | U | 0.0961 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,2-Dibromo-3-chloropropane | ND | U | 0.748 | 5.00 | ug/L | 1 | 09/15/2011 14:06 |
| 1,2-Dibromoethane | ND | U | 0.120 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,2-Dichlorobenzene | ND | U | 0.137 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,2-Dichloroethane | ND | U | 0.167 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,2-Dichloropropane | ND | U | 0.163 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,3,5-Trimethylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,3-Dichlorobenzene | ND | U | 0.103 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,3-Dichloropropane | ND | U | 0.189 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 1,4-Dichlorobenzene | ND | U | 0.130 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 2,2-Dichloropropane | ND | U | 0.393 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 2-Chlorotoluene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 4-Chlorotoluene | ND | U | 0.125 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| 4-Isopropyltoluene | ND | U | 0.0769 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Benzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Bromobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Bromochloromethane | ND | U | 0.211 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Bromodichloromethane | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Bromoform | ND | U | 0.0974 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Bromomethane | ND | U | 0.237 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| n-Butylbenzene | ND | U | 0.0769 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Carbon tetrachloride | ND | U | 0.101 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Chlorobenzene | ND | U | 0.116 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Chloroethane | ND | U | 0.311 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Chloroform | ND | U | 0.139 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Chloromethane | ND | U | 0.448 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Dibromochloromethane | ND | U | 0.134 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Dibromomethane | ND | U | 0.168 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Dichlorodifluoromethane | ND | U | 0.171 | 5.00 | ug/L | 1 | 09/15/2011 14:06 |
| cis-1,3-Dichloropropene | ND | U | 0.0767 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| trans-1,3-Dichloropropene | ND | U | 0.0862 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Diisopropyl Ether | ND | U | 0.155 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Ethyl Benzene | ND | U | 0.0877 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |



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## Results of **Equip. Rinse**

Client Sample ID: **Equip. Rinse**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486003-A
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:00
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene | ND | U | 0.0792 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Isopropylbenzene (Cumene) | ND | U | 0.0869 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Methylene chloride | ND | U | 0.152 | 5.00 | ug/L | 1 | 09/15/2011 14:06 |
| Naphthalene | ND | U | 0.0855 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Styrene | ND | U | 0.102 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Tetrachloroethene | ND | U | 0.155 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Toluene | **0.360** | J | 0.133 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Trichloroethene | ND | U | 0.125 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Trichlorofluoromethane | ND | U | 0.137 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| Vinyl chloride | ND | U | 0.124 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| cis-1,2-Dichloroethene | ND | U | 0.136 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| m,p-Xylene | ND | U | 0.182 | 1.00 | ug/L | 1 | 09/15/2011 14:06 |
| n-Propylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| o-Xylene | ND | U | 0.0874 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| sec-Butylbenzene | ND | U | 0.112 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.144 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| tert-Butylbenzene | ND | U | 0.0855 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| trans-1,2-Dichloroethene | ND | U | 0.223 | 0.500 | ug/L | 1 | 09/15/2011 14:06 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 99.3 | | | 64.0-140 | % | 1 | 09/15/2011 14:06 |
| 4-Bromofluorobenzene | 105 | | | 85.0-115 | % | 1 | 09/15/2011 14:06 |
| Toluene d8 | 103 | | | 82.0-117 | % | 1 | 09/15/2011 14:06 |

## Batch Information

Analytical Batch: **VMS1545**
Analytical Method: **SM 6200-B**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **09/15/2011 14:06**

Prep Batch: **VXX2078**
Prep Method: **SM 6200-B Prep**
Prep Date/Time: **09/15/2011 10:08**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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Results of **Equip. Rinse**

Client Sample ID: **Equip. Rinse**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486003-D
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:00
Received Date: 09/14/2011 15:55
Matrix: Water

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 1.82 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 1,2-Dichlorobenzene | ND | U | 1.80 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 1,3-Dichlorobenzene | ND | U | 1.74 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 1,4-Dichlorobenzene | ND | U | 1.71 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2,4,5-Trichlorophenol | ND | U | 2.19 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2,4,6-Trichlorophenol | ND | U | 2.13 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2,4-Dichlorophenol | ND | U | 2.17 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2,4-Dinitrophenol | ND | U | 0.702 | 26.3 | ug/L | 1 | 09/17/2011 1:17 |
| 2,4-Dinitrotoluene | ND | U | 1.93 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2,6-Dinitrotoluene | ND | U | 1.98 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2-Chloronaphthalene | ND | U | 2.10 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2-Chlorophenol | ND | U | 2.95 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2-Methylnaphthalene | ND | U | 2.04 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2-Methylphenol | ND | U | 2.18 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2-Nitroaniline | ND | U | 1.78 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2-Nitrophenol | ND | U | 2.07 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 3 and/or 4-Methylphenol | ND | U | 2.36 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 3,3'-Dichlorobenzidine | ND | U | 1.84 | 10.5 | ug/L | 1 | 09/17/2011 1:17 |
| 3-Nitroaniline | ND | U | 1.74 | 26.3 | ug/L | 1 | 09/17/2011 1:17 |
| 4,6-Dinitro-2-methylphenol | ND | U | 0.519 | 26.3 | ug/L | 1 | 09/17/2011 1:17 |
| 4-Chloro-3-methylphenol | ND | U | 2.08 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 4-Chloroaniline | ND | U | 1.98 | 26.3 | ug/L | 1 | 09/17/2011 1:17 |
| 4-Chlorophenyl phenyl ether | ND | U | 2.59 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Acenaphthene | ND | U | 2.17 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Acenaphthylene | ND | U | 2.10 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Anthracene | ND | U | 2.03 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Benzo(a)anthracene | ND | U | 2.06 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Benzo(a)pyrene | ND | U | 1.96 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Benzo(b)fluoranthene | ND | U | 2.06 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Benzo(g,h,i)perylene | ND | U | 2.26 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Benzo(k)fluoranthene | ND | U | 2.43 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Benzoic acid | ND | U | 2.40 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Bis(2-Chloroethoxy)methane | ND | U | 2.23 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Bis(2-Chloroethyl)ether | ND | U | 2.32 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Bis(2-Chloroisopropyl)ether | ND | U | 2.15 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 2.05 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 4-Bromophenyl phenyl ether | ND | U | 2.15 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Butyl benzyl phthalate | ND | U | 1.99 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Chrysene | ND | U | 2.31 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Di-n-butyl phthalate | ND | U | 2.01 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Di-n-octyl phthalate | ND | U | 1.54 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Dibenz(a,h)anthracene | ND | U | 2.12 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Dibenzofuran | ND | U | 2.33 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |

Print Date: 09/21/2011

N.C. Certification # 481

## Results of **Equip. Rinse**

Client Sample ID: **Equip. Rinse**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486003-D
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:00
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 2.21 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Dimethyl phthalate | ND | U | 2.25 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 2,4-Dimethylphenol | ND | U | 2.32 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Diphenylamine | ND | U | 2.12 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Fluoranthene | ND | U | 2.12 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Fluorene | ND | U | 2.57 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Hexachlorobenzene | ND | U | 2.03 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Hexachlorobutadiene | ND | U | 1.60 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Hexachlorocyclopentadiene | ND | U | 0.829 | 10.5 | ug/L | 1 | 09/17/2011 1:17 |
| Hexachloroethane | ND | U | 1.47 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.12 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Isophorone | ND | U | 2.20 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Naphthalene | ND | U | 2.04 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 4-Nitroaniline | ND | U | 1.77 | 26.3 | ug/L | 1 | 09/17/2011 1:17 |
| Nitrobenzene | ND | U | 2.30 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| 4-Nitrophenol | ND | U | 1.34 | 26.3 | ug/L | 1 | 09/17/2011 1:17 |
| Pentachlorophenol | ND | U | 1.63 | 26.3 | ug/L | 1 | 09/17/2011 1:17 |
| Phenanthrene | ND | U | 2.09 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Phenol | ND | U | 2.48 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Pyrene | ND | U | 2.11 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| n-Nitrosodi-n-propylamine | ND | U | 2.34 | 5.26 | ug/L | 1 | 09/17/2011 1:17 |
| Benzophenone | **14.1** | TIC | | | ug/L | 1 | 09/17/2011 1:17 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 76.0 | | | 29.3-152 | % | 1 | 09/17/2011 1:17 |
| 2-Fluorobiphenyl | 78.0 | | | 50.0-107 | % | 1 | 09/17/2011 1:17 |
| 2-Fluorophenol | 74.0 | | | 33.1-118 | % | 1 | 09/17/2011 1:17 |
| Nitrobenzene-d5 | 89.0 | | | 46.0-118 | % | 1 | 09/17/2011 1:17 |
| Phenol-d6 | 76.0 | | | 49.0-120 | % | 1 | 09/17/2011 1:17 |
| Terphenyl-d14 | 76.0 | | | 22.1-142 | % | 1 | 09/17/2011 1:17 |

## Batch Information

Analytical Batch: **XMS1236**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **09/17/2011 01:17**

Prep Batch: **XXX1779**
Prep Method: **SW-846 3520C**
Prep Date/Time: **09/15/2011 14:18**
Prep Initial Wt./Vol.: **951 mL**
Prep Extract Vol: **5 mL**



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## Results of **Equip. Rinse**

Client Sample ID: **Equip. Rinse**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486003-F
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:00
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.00319 | 0.0400 | mg/L | 1 | 09/16/2011 13:50 |
| Arsenic | ND | U | 0.00369 | 0.0100 | mg/L | 1 | 09/16/2011 13:50 |
| Chromium | **0.00246** | J | 0.00147 | 0.0100 | mg/L | 1 | 09/16/2011 13:50 |
| Copper | **0.00228** | J | 0.000672 | 0.0100 | mg/L | 1 | 09/16/2011 13:50 |
| Lead | ND | U | 0.00541 | 0.0100 | mg/L | 1 | 09/16/2011 13:50 |
| Manganese | **0.00177** | J | 0.00152 | 0.0100 | mg/L | 1 | 09/16/2011 13:50 |
| Nickel | ND | U | 0.00306 | 0.0100 | mg/L | 1 | 09/16/2011 13:50 |
| Selenium | ND | U | 0.00268 | 0.0200 | mg/L | 1 | 09/16/2011 13:50 |
| Zinc | ND | U | 0.00226 | 0.0200 | mg/L | 1 | 09/16/2011 13:50 |
| Silver | **0.00453** | J | 0.00105 | 0.0100 | mg/L | 1 | 09/16/2011 13:50 |

## Batch Information

Analytical Batch: **MIP1243**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **09/16/2011 13:50**

Prep Batch: **MXX1512**
Prep Method: **SW-846 3010A**
Prep Date/Time: **09/15/2011 16:13**
Prep Initial Wt./Vol.: **50 mL**
Prep Extract Vol: **50 mL**



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## Results of **Equip. Rinse**

Client Sample ID: **Equip. Rinse**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486003-F
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:00
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 7470A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.0000489** | J | 0.0000190 | 0.000150 | mg/L | 1 | 09/20/2011 14:10 |

## Batch Information

Analytical Batch: **MHG1131**
Analytical Method: **SW-846 7470A**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **09/20/2011 14:10**

Prep Batch: **MXX1520**
Prep Method: **SW-846 7470A PREP**
Prep Date/Time: **09/20/2011 08:57**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **57 mL**



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## Results of **Equip. Rinse**

Client Sample ID: **Equip. Rinse**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486003-F
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:00
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.000594 | 0.00500 | mg/L | 10 | 09/20/2011 12:23 |
| Cadmium | ND | U | 0.000278 | 0.00500 | mg/L | 10 | 09/20/2011 12:23 |
| Thallium | ND | U | 0.000297 | 0.00500 | mg/L | 10 | 09/20/2011 12:23 |

## Batch Information

Analytical Batch: **MMS1094**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **09/20/2011 12:23**

Prep Batch: **MXX1512**
Prep Method: **SW-846 3010A**
Prep Date/Time: **09/15/2011 16:13**
Prep Initial Wt./Vol.: **50 mL**
Prep Extract Vol: **50 mL**



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## Results of **Dup. MW-02**

Client Sample ID: **Dup. MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486004-A
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:32
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 0.104 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,1,1-Trichloroethane | ND | U | 0.123 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,1,2,2-Tetrachloroethane | ND | U | 0.156 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,1,2-Trichloroethane | ND | U | 0.126 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,1-Dichloroethane | ND | U | 0.165 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,1-Dichloroethene | ND | U | 0.212 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,1-Dichloropropene | ND | U | 0.112 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,2,3-Trichlorobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,2,3-Trichloropropane | ND | U | 0.212 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,2,4-Trichlorobenzene | ND | U | 0.0913 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,2,4-Trimethylbenzene | ND | U | 0.0961 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,2-Dibromo-3-chloropropane | ND | U | 0.748 | 5.00 | ug/L | 1 | 09/15/2011 15:20 |
| 1,2-Dibromoethane | ND | U | 0.120 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,2-Dichlorobenzene | ND | U | 0.137 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,2-Dichloroethane | ND | U | 0.167 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,2-Dichloropropane | ND | U | 0.163 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,3,5-Trimethylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,3-Dichlorobenzene | ND | U | 0.103 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,3-Dichloropropane | ND | U | 0.189 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 1,4-Dichlorobenzene | ND | U | 0.130 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 2,2-Dichloropropane | ND | U | 0.393 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 2-Chlorotoluene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 4-Chlorotoluene | ND | U | 0.125 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| 4-Isopropyltoluene | ND | U | 0.0769 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Benzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Bromobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Bromochloromethane | ND | U | 0.211 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Bromodichloromethane | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Bromoform | ND | U | 0.0974 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Bromomethane | ND | U | 0.237 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| n-Butylbenzene | ND | U | 0.0769 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Carbon tetrachloride | ND | U | 0.101 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Chlorobenzene | ND | U | 0.116 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Chloroethane | ND | U | 0.311 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Chloroform | ND | U | 0.139 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Chloromethane | ND | U | 0.448 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Dibromochloromethane | ND | U | 0.134 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Dibromomethane | ND | U | 0.168 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Dichlorodifluoromethane | ND | U | 0.171 | 5.00 | ug/L | 1 | 09/15/2011 15:20 |
| cis-1,3-Dichloropropene | ND | U | 0.0767 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| trans-1,3-Dichloropropene | ND | U | 0.0862 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Diisopropyl Ether | ND | U | 0.155 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Ethyl Benzene | ND | U | 0.0877 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |



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## Results of **Dup. MW-02**

Client Sample ID: **Dup. MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486004-A
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:32
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene | ND | U | 0.0792 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Isopropylbenzene (Cumene) | ND | U | 0.0869 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Methylene chloride | ND | U | 0.152 | 5.00 | ug/L | 1 | 09/15/2011 15:20 |
| Naphthalene | ND | U | 0.0855 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Styrene | ND | U | 0.102 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Tetrachloroethene | ND | U | 0.155 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Toluene | ND | U | 0.133 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Trichloroethene | ND | U | 0.125 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Trichlorofluoromethane | ND | U | 0.137 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| Vinyl chloride | ND | U | 0.124 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| cis-1,2-Dichloroethene | ND | U | 0.136 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| m,p-Xylene | ND | U | 0.182 | 1.00 | ug/L | 1 | 09/15/2011 15:20 |
| n-Propylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| o-Xylene | ND | U | 0.0874 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| sec-Butylbenzene | ND | U | 0.112 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.144 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| tert-Butylbenzene | ND | U | 0.0855 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| trans-1,2-Dichloroethene | ND | U | 0.223 | 0.500 | ug/L | 1 | 09/15/2011 15:20 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 100 | | | 64.0-140 | % | 1 | 09/15/2011 15:20 |
| 4-Bromofluorobenzene | 101 | | | 85.0-115 | % | 1 | 09/15/2011 15:20 |
| Toluene d8 | 104 | | | 82.0-117 | % | 1 | 09/15/2011 15:20 |

## Batch Information

Analytical Batch: **VMS1545**
Analytical Method: **SM 6200-B**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **09/15/2011 15:20**

Prep Batch: **VXX2078**
Prep Method: **SM 6200-B Prep**
Prep Date/Time: **09/15/2011 10:08**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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Results of **Dup. MW-02**

Client Sample ID: **Dup. MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486004-D
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:32
Received Date: 09/14/2011 15:55
Matrix: Water

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 1.80 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 1,2-Dichlorobenzene | ND | U | 1.78 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 1,3-Dichlorobenzene | ND | U | 1.72 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 1,4-Dichlorobenzene | ND | U | 1.69 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2,4,5-Trichlorophenol | ND | U | 2.16 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2,4,6-Trichlorophenol | ND | U | 2.11 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2,4-Dichlorophenol | ND | U | 2.14 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2,4-Dinitrophenol | ND | U | 0.694 | 26.0 | ug/L | 1 | 09/17/2011 1:40 |
| 2,4-Dinitrotoluene | ND | U | 1.91 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2,6-Dinitrotoluene | ND | U | 1.95 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2-Chloronaphthalene | ND | U | 2.08 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2-Chlorophenol | ND | U | 2.92 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2-Methylnaphthalene | ND | U | 2.02 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2-Methylphenol | ND | U | 2.15 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2-Nitroaniline | ND | U | 1.76 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2-Nitrophenol | ND | U | 2.05 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 3 and/or 4-Methylphenol | ND | U | 2.33 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 3,3'-Dichlorobenzidine | ND | U | 1.82 | 10.4 | ug/L | 1 | 09/17/2011 1:40 |
| 3-Nitroaniline | ND | U | 1.72 | 26.0 | ug/L | 1 | 09/17/2011 1:40 |
| 4,6-Dinitro-2-methylphenol | ND | U | 0.514 | 26.0 | ug/L | 1 | 09/17/2011 1:40 |
| 4-Chloro-3-methylphenol | ND | U | 2.06 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 4-Chloroaniline | ND | U | 1.95 | 26.0 | ug/L | 1 | 09/17/2011 1:40 |
| 4-Chlorophenyl phenyl ether | ND | U | 2.56 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Acenaphthene | ND | U | 2.14 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Acenaphthylene | ND | U | 2.08 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Anthracene | ND | U | 2.01 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Benzo(a)anthracene | ND | U | 2.04 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Benzo(a)pyrene | ND | U | 1.93 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Benzo(b)fluoranthene | ND | U | 2.04 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Benzo(g,h,i)perylene | ND | U | 2.23 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Benzo(k)fluoranthene | ND | U | 2.40 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Benzoic acid | ND | U | 2.37 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Bis(2-Chloroethoxy)methane | ND | U | 2.20 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Bis(2-Chloroethyl)ether | ND | U | 2.30 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Bis(2-Chloroisopropyl)ether | ND | U | 2.12 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 2.03 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 4-Bromophenyl phenyl ether | ND | U | 2.12 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Butyl benzyl phthalate | ND | U | 1.96 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Chrysene | ND | U | 2.29 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Di-n-butyl phthalate | ND | U | 1.99 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Di-n-octyl phthalate | ND | U | 1.52 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Dibenz(a,h)anthracene | ND | U | 2.10 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Dibenzofuran | ND | U | 2.31 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |

Print Date: 09/21/2011

N.C. Certification # 481

## Results of **Dup. MW-02**

Client Sample ID: **Dup. MW-02**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486004-D
Lab Project ID: 31102486

Collection Date: 09/14/2011 12:32
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 2.18 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Dimethyl phthalate | ND | U | 2.22 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 2,4-Dimethylphenol | ND | U | 2.30 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Diphenylamine | ND | U | 2.10 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Fluoranthene | ND | U | 2.10 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Fluorene | ND | U | 2.54 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Hexachlorobenzene | ND | U | 2.01 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Hexachlorobutadiene | ND | U | 1.58 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Hexachlorocyclopentadiene | ND | U | 0.819 | 10.4 | ug/L | 1 | 09/17/2011 1:40 |
| Hexachloroethane | ND | U | 1.46 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.10 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Isophorone | ND | U | 2.17 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Naphthalene | ND | U | 2.02 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 4-Nitroaniline | ND | U | 1.75 | 26.0 | ug/L | 1 | 09/17/2011 1:40 |
| Nitrobenzene | ND | U | 2.28 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| 4-Nitrophenol | ND | U | 1.32 | 26.0 | ug/L | 1 | 09/17/2011 1:40 |
| Pentachlorophenol | ND | U | 1.61 | 26.0 | ug/L | 1 | 09/17/2011 1:40 |
| Phenanthrene | ND | U | 2.07 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Phenol | ND | U | 2.45 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| Pyrene | ND | U | 2.09 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| n-Nitrosodi-n-propylamine | ND | U | 2.32 | 5.20 | ug/L | 1 | 09/17/2011 1:40 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 79.0 | | | 29.3-152 | % | 1 | 09/17/2011 1:40 |
| 2-Fluorobiphenyl | 78.0 | | | 50.0-107 | % | 1 | 09/17/2011 1:40 |
| 2-Fluorophenol | 79.0 | | | 33.1-118 | % | 1 | 09/17/2011 1:40 |
| Nitrobenzene-d5 | 90.0 | | | 46.0-118 | % | 1 | 09/17/2011 1:40 |
| Phenol-d6 | 77.0 | | | 49.0-120 | % | 1 | 09/17/2011 1:40 |
| Terphenyl-d14 | 71.0 | | | 22.1-142 | % | 1 | 09/17/2011 1:40 |

## Batch Information

Analytical Batch: **XMS1236**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **09/17/2011 01:40**

Prep Batch: **XXX1779**
Prep Method: **SW-846 3520C**
Prep Date/Time: **09/15/2011 14:18**
Prep Initial Wt./Vol.: **962 mL**
Prep Extract Vol: **5 mL**



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## Results of **Trip Blank**

Client Sample ID: **Trip Blank**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486005-A
Lab Project ID: 31102486

Collection Date: 09/14/2011 00:00
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 0.104 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,1,1-Trichloroethane | ND | U | 0.123 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,1,2,2-Tetrachloroethane | ND | U | 0.156 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,1,2-Trichloroethane | ND | U | 0.126 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,1-Dichloroethane | ND | U | 0.165 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,1-Dichloroethene | ND | U | 0.212 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,1-Dichloropropene | ND | U | 0.112 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,2,3-Trichlorobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,2,3-Trichloropropane | ND | U | 0.212 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,2,4-Trichlorobenzene | ND | U | 0.0913 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,2,4-Trimethylbenzene | ND | U | 0.0961 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,2-Dibromo-3-chloropropane | ND | U | 0.748 | 5.00 | ug/L | 1 | 09/15/2011 13:42 |
| 1,2-Dibromoethane | ND | U | 0.120 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,2-Dichlorobenzene | ND | U | 0.137 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,2-Dichloroethane | ND | U | 0.167 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,2-Dichloropropane | ND | U | 0.163 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,3,5-Trimethylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,3-Dichlorobenzene | ND | U | 0.103 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,3-Dichloropropane | ND | U | 0.189 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 1,4-Dichlorobenzene | ND | U | 0.130 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 2,2-Dichloropropane | ND | U | 0.393 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 2-Chlorotoluene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 4-Chlorotoluene | ND | U | 0.125 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| 4-Isopropyltoluene | ND | U | 0.0769 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Benzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Bromobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Bromochloromethane | ND | U | 0.211 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Bromodichloromethane | ND | U | 0.110 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Bromoform | ND | U | 0.0974 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Bromomethane | ND | U | 0.237 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| n-Butylbenzene | ND | U | 0.0769 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Carbon tetrachloride | ND | U | 0.101 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Chlorobenzene | ND | U | 0.116 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Chloroethane | ND | U | 0.311 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Chloroform | ND | U | 0.139 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Chloromethane | ND | U | 0.448 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Dibromochloromethane | ND | U | 0.134 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Dibromomethane | ND | U | 0.168 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Dichlorodifluoromethane | ND | U | 0.171 | 5.00 | ug/L | 1 | 09/15/2011 13:42 |
| cis-1,3-Dichloropropene | ND | U | 0.0767 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| trans-1,3-Dichloropropene | ND | U | 0.0862 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Diisopropyl Ether | ND | U | 0.155 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Ethyl Benzene | ND | U | 0.0877 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |



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## Results of **Trip Blank**

Client Sample ID: **Trip Blank**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31102486005-A
Lab Project ID: 31102486

Collection Date: 09/14/2011 00:00
Received Date: 09/14/2011 15:55
Matrix: Water

## Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Hexachlorobutadiene | ND | U | 0.0792 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Isopropylbenzene (Cumene) | ND | U | 0.0869 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Methylene chloride | ND | U | 0.152 | 5.00 | ug/L | 1 | 09/15/2011 13:42 |
| Naphthalene | ND | U | 0.0855 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Styrene | ND | U | 0.102 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Tetrachloroethene | ND | U | 0.155 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Toluene | ND | U | 0.133 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Trichloroethene | ND | U | 0.125 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Trichlorofluoromethane | ND | U | 0.137 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| Vinyl chloride | ND | U | 0.124 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| cis-1,2-Dichloroethene | ND | U | 0.136 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| m,p-Xylene | ND | U | 0.182 | 1.00 | ug/L | 1 | 09/15/2011 13:42 |
| n-Propylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| o-Xylene | ND | U | 0.0874 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| sec-Butylbenzene | ND | U | 0.112 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.144 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| tert-Butylbenzene | ND | U | 0.0855 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| trans-1,2-Dichloroethene | ND | U | 0.223 | 0.500 | ug/L | 1 | 09/15/2011 13:42 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 101 | | | 64.0-140 | % | 1 | 09/15/2011 13:42 |
| 4-Bromofluorobenzene | 103 | | | 85.0-115 | % | 1 | 09/15/2011 13:42 |
| Toluene d8 | 102 | | | 82.0-117 | % | 1 | 09/15/2011 13:42 |

## Batch Information

Analytical Batch: **VMS1545**
Analytical Method: **SM 6200-B**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **09/15/2011 13:42**

Prep Batch: **VXX2078**
Prep Method: **SM 6200-B Prep**
Prep Date/Time: **09/15/2011 10:08**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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## Batch Summary

Analytical Method: SM 6200-B

Prep Method: SW-846 5030B
Prep Batch: VXX2078
Prep Date: 09/15/2011 08:08

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| LCS for HBN 11642 [VXX/2078] | 39752 | 09/15/2011 10:24 | VMS1545 | MSD3 | DVO |
| LCSD for HBN 11642 [VXX/2078] | 39753 | 09/15/2011 10:49 | VMS1545 | MSD3 | DVO |
| MB for HBN 11642 [VXX/2078] | 39754 | 09/15/2011 11:38 | VMS1545 | MSD3 | DVO |
| Trip Blank | 31102486005 | 09/15/2011 13:42 | VMS1545 | MSD3 | DVO |
| Equip. Rinse | 31102486003 | 09/15/2011 14:06 | VMS1545 | MSD3 | DVO |
| MW-01 | 31102486001 | 09/15/2011 14:31 | VMS1545 | MSD3 | DVO |
| MW-02 | 31102486002 | 09/15/2011 14:56 | VMS1545 | MSD3 | DVO |
| Dup. MW-02 | 31102486004 | 09/15/2011 15:20 | VMS1545 | MSD3 | DVO |



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## Method Blank Summary

Blank ID: MB for HBN 11642 [VXX/2078]
Blank Lab ID: 39754
QC for Samples:
31102486001, 31102486002, 31102486003, 31102486004, 31102486005

Matrix: Water

Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.171 | 5.00 | ug/L | 1 |
| Chloromethane | ND | U | 0.448 | 0.500 | ug/L | 1 |
| Vinyl chloride | ND | U | 0.124 | 0.500 | ug/L | 1 |
| Bromomethane | ND | U | 0.237 | 0.500 | ug/L | 1 |
| Chloroethane | ND | U | 0.311 | 0.500 | ug/L | 1 |
| Trichlorofluoromethane | ND | U | 0.137 | 0.500 | ug/L | 1 |
| 1,1-Dichloroethene | ND | U | 0.212 | 0.500 | ug/L | 1 |
| Methylene chloride | ND | U | 0.152 | 5.00 | ug/L | 1 |
| trans-1,2-Dichloroethene | ND | U | 0.223 | 0.500 | ug/L | 1 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.144 | 0.500 | ug/L | 1 |
| 1,1-Dichloroethane | ND | U | 0.165 | 0.500 | ug/L | 1 |
| Diisopropyl Ether | ND | U | 0.155 | 0.500 | ug/L | 1 |
| 2,2-Dichloropropane | ND | U | 0.393 | 0.500 | ug/L | 1 |
| cis-1,2-Dichloroethene | ND | U | 0.136 | 0.500 | ug/L | 1 |
| Bromochloromethane | ND | U | 0.211 | 0.500 | ug/L | 1 |
| Chloroform | ND | U | 0.139 | 0.500 | ug/L | 1 |
| 1,1,1-Trichloroethane | ND | U | 0.123 | 0.500 | ug/L | 1 |
| Carbon tetrachloride | ND | U | 0.101 | 0.500 | ug/L | 1 |
| 1,1-Dichloropropene | ND | U | 0.112 | 0.500 | ug/L | 1 |
| Benzene | ND | U | 0.113 | 0.500 | ug/L | 1 |
| 1,2-Dichloroethane | ND | U | 0.167 | 0.500 | ug/L | 1 |
| Trichloroethene | ND | U | 0.125 | 0.500 | ug/L | 1 |
| 1,2-Dichloropropane | ND | U | 0.163 | 0.500 | ug/L | 1 |
| Dibromomethane | ND | U | 0.168 | 0.500 | ug/L | 1 |
| Bromodichloromethane | ND | U | 0.110 | 0.500 | ug/L | 1 |
| cis-1,3-Dichloropropene | ND | U | 0.0767 | 0.500 | ug/L | 1 |
| Toluene | ND | U | 0.133 | 0.500 | ug/L | 1 |
| trans-1,3-Dichloropropene | ND | U | 0.0862 | 0.500 | ug/L | 1 |
| 1,1,2-Trichloroethane | ND | U | 0.126 | 0.500 | ug/L | 1 |
| Tetrachloroethene | ND | U | 0.155 | 0.500 | ug/L | 1 |
| 1,3-Dichloropropane | ND | U | 0.189 | 0.500 | ug/L | 1 |
| Dibromochloromethane | ND | U | 0.134 | 0.500 | ug/L | 1 |
| 1,2-Dibromoethane | ND | U | 0.120 | 0.500 | ug/L | 1 |
| Chlorobenzene | ND | U | 0.116 | 0.500 | ug/L | 1 |
| 1,1,1,2-Tetrachloroethane | ND | U | 0.104 | 0.500 | ug/L | 1 |
| Bromoform | ND | U | 0.0974 | 0.500 | ug/L | 1 |
| Bromobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 |
| 1,1,2,2-Tetrachloroethane | ND | U | 0.156 | 0.500 | ug/L | 1 |
| 1,2,3-Trichloropropane | ND | U | 0.212 | 0.500 | ug/L | 1 |
| Ethyl Benzene | ND | U | 0.0877 | 0.500 | ug/L | 1 |
| m,p-Xylene | ND | U | 0.182 | 1.00 | ug/L | 1 |



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## Method Blank Summary

Blank ID: MB for HBN 11642 [VXX/2078]
Blank Lab ID: 39754
QC for Samples:
31102486001, 31102486002, 31102486003, 31102486004, 31102486005

Matrix: Water

## Results by **SM 6200-B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Styrene | ND | U | 0.102 | 0.500 | ug/L | 1 |
| o-Xylene | ND | U | 0.0874 | 0.500 | ug/L | 1 |
| Isopropylbenzene (Cumene) | ND | U | 0.0869 | 0.500 | ug/L | 1 |
| n-Propylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 |
| 2-Chlorotoluene | ND | U | 0.113 | 0.500 | ug/L | 1 |
| 4-Chlorotoluene | ND | U | 0.125 | 0.500 | ug/L | 1 |
| 1,3,5-Trimethylbenzene | ND | U | 0.113 | 0.500 | ug/L | 1 |
| tert-Butylbenzene | ND | U | 0.0855 | 0.500 | ug/L | 1 |
| 1,2,4-Trimethylbenzene | ND | U | 0.0961 | 0.500 | ug/L | 1 |
| sec-Butylbenzene | ND | U | 0.112 | 0.500 | ug/L | 1 |
| 1,3-Dichlorobenzene | ND | U | 0.103 | 0.500 | ug/L | 1 |
| 4-Isopropyltoluene | ND | U | 0.0769 | 0.500 | ug/L | 1 |
| 1,4-Dichlorobenzene | ND | U | 0.130 | 0.500 | ug/L | 1 |
| 1,2-Dichlorobenzene | ND | U | 0.137 | 0.500 | ug/L | 1 |
| n-Butylbenzene | ND | U | 0.0769 | 0.500 | ug/L | 1 |
| 1,2-Dibromo-3-chloropropane | ND | U | 0.748 | 5.00 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | ND | U | 0.0913 | 0.500 | ug/L | 1 |
| Hexachlorobutadiene | ND | U | 0.0792 | 0.500 | ug/L | 1 |
| Naphthalene | ND | U | 0.0855 | 0.500 | ug/L | 1 |
| 1,2,3-Trichlorobenzene | ND | U | 0.110 | 0.500 | ug/L | 1 |
| **Surrogates** | | | | | | |
| 1,2-Dichloroethane-d4 | 99.4 | | | 64.0-140 | % | 1 |
| Toluene d8 | 102 | | | 82.0-117 | % | 1 |
| 4-Bromofluorobenzene | 102 | | | 85.0-115 | % | 1 |

## Batch Information

Analytical Batch: VMS1545
Analytical Method: SM 6200-B
Instrument: MSD3
Analyst: DVO
Analytical Date/Time: 9/15/2011 11:38:00AM

Prep Batch: VXX2078
Prep Method: SW-846 5030B
Prep Date/Time: 9/15/2011 8:08:54AM
Prep Initial Wt./Vol.: 40 mL
Prep Extract Vol: 40 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 11642 [VXX/2078]
Blank Spike Lab ID: 39752
Date Analyzed: 09/15/2011 10:24

Spike Duplicate ID: LCSD for HBN 11642 [VXX/2078]
Spike Duplicate Lab ID: 39753
Date Analyzed: 09/15/2011 10:49
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004, 31102486005

### Results by **SM 6200-B**

| | Blank Spike (ug/L) | | | Spike Duplicate (ug/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Dichlorodifluoromethane | 5.00 | 6.18 | 124 | 5.00 | 6.43 | 129 | 33.0-170 | 4.0 | 30.00 |
| Chloromethane | 5.00 | 5.18 | 104 | 5.00 | 5.26 | 105 | 57.0-132 | 1.5 | 30.00 |
| Vinyl chloride | 5.00 | 4.95 | 99 | 5.00 | 5.00 | 100 | 59.0-138 | 1.0 | 30.00 |
| Bromomethane | 5.00 | 4.69 | 94 | 5.00 | 4.62 | 92 | 51.0-134 | 1.5 | 30.00 |
| Chloroethane | 5.00 | 4.50 | 90 | 5.00 | 5.02 | 100 | 64.0-145 | 11 | 30.00 |
| Trichlorofluoromethane | 5.00 | 4.73 | 95 | 5.00 | 5.13 | 103 | 64.0-133 | 8.1 | 30.00 |
| 1,1-Dichloroethene | 5.00 | 4.89 | 98 | 5.00 | 4.80 | 96 | 71.0-128 | 1.9 | 30.00 |
| Methylene chloride | 5.00 | 4.56 | 91 | 5.00 | 4.35 | 87 | 70.0-113 | 4.7 | 30.00 |
| trans-1,2-Dichloroethene | 5.00 | 5.02 | 100 | 5.00 | 4.58 | 92 | 57.0-138 | 9.2 | 30.00 |
| tert-Butyl methyl ether (MTBE) | 5.00 | 5.08 | 102 | 5.00 | 4.88 | 98 | 47.0-142 | 4.0 | 30.00 |
| 1,1-Dichloroethane | 5.00 | 5.01 | 100 | 5.00 | 4.65 | 93 | 68.0-133 | 7.5 | 30.00 |
| Diisopropyl Ether | 5.00 | 4.85 | 97 | 5.00 | 4.58 | 92 | 66.0-132 | 5.7 | 30.00 |
| 2,2-Dichloropropane | 5.00 | 5.37 | 107 | 5.00 | 5.01 | 100 | 74.0-125 | 6.9 | 30.00 |
| cis-1,2-Dichloroethene | 5.00 | 4.91 | 98 | 5.00 | 4.64 | 93 | 73.0-128 | 5.7 | 30.00 |
| Bromochloromethane | 5.00 | 4.68 | 94 | 5.00 | 4.36 | 87 | 73.0-128 | 7.1 | 30.00 |
| Chloroform | 5.00 | 5.17 | 103 | 5.00 | 4.91 | 98 | 74.0-124 | 5.2 | 30.00 |
| 1,1,1-Trichloroethane | 5.00 | 5.23 | 105 | 5.00 | 4.88 | 98 | 76.0-119 | 6.9 | 30.00 |
| Carbon tetrachloride | 5.00 | 5.08 | 102 | 5.00 | 4.67 | 93 | 75.0-120 | 8.4 | 30.00 |
| 1,1-Dichloropropene | 5.00 | 5.02 | 100 | 5.00 | 4.58 | 92 | 76.0-124 | 9.2 | 30.00 |
| Benzene | 5.00 | 4.94 | 99 | 5.00 | 4.59 | 92 | 76.0-124 | 7.3 | 30.00 |
| 1,2-Dichloroethane | 5.00 | 5.01 | 100 | 5.00 | 4.63 | 93 | 76.0-119 | 7.9 | 30.00 |
| Trichloroethene | 5.00 | 4.93 | 99 | 5.00 | 4.58 | 92 | 74.0-121 | 7.4 | 30.00 |
| 1,2-Dichloropropane | 5.00 | 4.95 | 99 | 5.00 | 4.68 | 94 | 74.0-124 | 5.6 | 30.00 |
| Dibromomethane | 5.00 | 5.03 | 101 | 5.00 | 4.69 | 94 | 71.0-128 | 7.0 | 30.00 |
| Bromodichloromethane | 5.00 | 5.02 | 100 | 5.00 | 4.69 | 94 | 72.0-120 | 6.8 | 30.00 |
| cis-1,3-Dichloropropene | 5.00 | 4.90 | 98 | 5.00 | 4.57 | 91 | 73.0-122 | 7.0 | 30.00 |
| Toluene | 5.00 | 4.97 | 99 | 5.00 | 4.83 | 97 | 75.0-123 | 2.9 | 30.00 |
| trans-1,3-Dichloropropene | 5.00 | 5.11 | 102 | 5.00 | 4.95 | 99 | 70.0-125 | 3.2 | 30.00 |
| 1,1,2-Trichloroethane | 5.00 | 4.90 | 98 | 5.00 | 4.78 | 96 | 76.0-121 | 2.5 | 30.00 |
| Tetrachloroethene | 5.00 | 4.82 | 96 | 5.00 | 4.59 | 92 | 59.0-112 | 4.9 | 30.00 |
| 1,3-Dichloropropane | 5.00 | 4.93 | 99 | 5.00 | 4.49 | 90 | 74.0-120 | 9.3 | 30.00 |
| Dibromochloromethane | 5.00 | 4.67 | 93 | 5.00 | 4.55 | 91 | 67.0-122 | 2.6 | 30.00 |
| 1,2-Dibromoethane | 5.00 | 4.62 | 92 | 5.00 | 4.51 | 90 | 74.0-119 | 2.4 | 30.00 |
| Chlorobenzene | 5.00 | 4.84 | 97 | 5.00 | 4.55 | 91 | 74.0-120 | 6.2 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 11642 [VXX/2078]
Blank Spike Lab ID: 39752
Date Analyzed: 09/15/2011 10:24

Spike Duplicate ID: LCSD for HBN 11642 [VXX/2078]
Spike Duplicate Lab ID: 39753
Date Analyzed: 09/15/2011 10:49
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004, 31102486005

### Results by **SM 6200-B**

| | Blank Spike (ug/L) | | | Spike Duplicate (ug/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| 1,1,1,2-Tetrachloroethane | 5.00 | 4.96 | 99 | 5.00 | 4.66 | 93 | 73.0-119 | 6.2 | 30.00 |
| Bromoform | 5.00 | 5.04 | 101 | 5.00 | 4.59 | 92 | 62.0-127 | 9.3 | 30.00 |
| Bromobenzene | 5.00 | 4.85 | 97 | 5.00 | 4.60 | 92 | 75.0-120 | 5.3 | 30.00 |
| 1,1,2,2-Tetrachloroethane | 5.00 | 4.85 | 97 | 5.00 | 4.53 | 91 | 68.0-129 | 6.8 | 30.00 |
| 1,2,3-Trichloropropane | 5.00 | 5.12 | 102 | 5.00 | 4.73 | 95 | 67.0-126 | 7.9 | 30.00 |
| Ethyl Benzene | 5.00 | 4.83 | 97 | 5.00 | 4.33 | 87 | 76.0-123 | 11 | 30.00 |
| m,p-Xylene | 10.0 | 9.44 | 94 | 10.0 | 8.66 | 87 | 76.0-124 | 8.6 | 30.00 |
| Styrene | 5.00 | 4.72 | 94 | 5.00 | 4.27 | 85 | 76.0-121 | 10 | 30.00 |
| o-Xylene | 5.00 | 4.66 | 93 | 5.00 | 4.39 | 88 | 75.0-124 | 6.0 | 30.00 |
| Isopropylbenzene (Cumene) | 5.00 | 4.90 | 98 | 5.00 | 4.45 | 89 | 77.0-120 | 9.6 | 30.00 |
| n-Propylbenzene | 5.00 | 4.74 | 95 | 5.00 | 4.40 | 88 | 77.0-123 | 7.4 | 30.00 |
| 2-Chlorotoluene | 5.00 | 4.82 | 96 | 5.00 | 4.32 | 86 | 74.0-127 | 11 | 30.00 |
| 4-Chlorotoluene | 5.00 | 4.76 | 95 | 5.00 | 4.37 | 87 | 77.0-123 | 8.5 | 30.00 |
| 1,3,5-Trimethylbenzene | 5.00 | 4.71 | 94 | 5.00 | 4.36 | 87 | 76.0-122 | 7.7 | 30.00 |
| tert-Butylbenzene | 5.00 | 4.65 | 93 | 5.00 | 4.49 | 90 | 67.0-122 | 3.5 | 30.00 |
| 1,2,4-Trimethylbenzene | 5.00 | 4.84 | 97 | 5.00 | 4.45 | 89 | 76.0-124 | 8.4 | 30.00 |
| sec-Butylbenzene | 5.00 | 4.83 | 97 | 5.00 | 4.36 | 87 | 78.0-121 | 10 | 30.00 |
| 1,3-Dichlorobenzene | 5.00 | 4.75 | 95 | 5.00 | 4.40 | 88 | 75.0-120 | 7.7 | 30.00 |
| 4-Isopropyltoluene | 5.00 | 4.90 | 98 | 5.00 | 4.44 | 89 | 77.0-120 | 9.9 | 30.00 |
| 1,4-Dichlorobenzene | 5.00 | 4.76 | 95 | 5.00 | 4.37 | 87 | 70.0-125 | 8.5 | 30.00 |
| 1,2-Dichlorobenzene | 5.00 | 4.72 | 94 | 5.00 | 4.20 | 84 | 76.0-118 | 12 | 30.00 |
| n-Butylbenzene | 5.00 | 4.70 | 94 | 5.00 | 4.41 | 88 | 78.0-118 | 6.4 | 30.00 |
| 1,2-Dibromo-3-chloropropane | 30.0 | 30.4 | 101 | 30.0 | 26.2 | 87 | 62.0-130 | 15 | 30.00 |
| 1,2,4-Trichlorobenzene | 5.00 | 4.91 | 98 | 5.00 | 4.61 | 92 | 72.0-119 | 6.3 | 30.00 |
| Hexachlorobutadiene | 5.00 | 5.03 | 101 | 5.00 | 4.72 | 94 | 69.0-121 | 6.4 | 30.00 |
| Naphthalene | 5.00 | 5.20 | 104 | 5.00 | 4.61 | 92 | 67.0-122 | 12 | 30.00 |
| 1,2,3-Trichlorobenzene | 5.00 | 4.93 | 99 | 5.00 | 4.48 | 90 | 21.0-193 | 9.6 | 30.00 |
| **Surrogates** | | | | | | | | | |
| 1,2-Dichloroethane-d4 | | | 101 | | | 99.3 | 64.0-140 | | |
| Toluene d8 | | | 98.4 | | | 101 | 82.0-117 | | |
| 4-Bromofluorobenzene | | | 101 | | | 103 | 85.0-115 | | |



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 11642 [VXX/2078]
Blank Spike Lab ID: 39752
Date Analyzed: 09/15/2011 10:24

Spike Duplicate ID: LCSD for HBN 11642 [VXX/2078]
Spike Duplicate Lab ID: 39753
Date Analyzed: 09/15/2011 10:49
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004, 31102486005

## Results by **SM 6200-B**

| | Blank Spike (%) | | | Spike Duplicate (%) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |

## Batch Information

Analytical Batch: **VMS1545**
Analytical Method: **SM 6200-B**
Instrument: **MSD3**
Analyst: **DVO**

Prep Batch: **VXX2078**
Prep Method: **SW-846 5030B**
Prep Date/Time: **09/15/2011 08:08**
Spike Init Wt./Vol.: **40 mL** Extract Vol: **40 mL**
Dupe Init Wt./Vol.: **40 mL** Extract Vol: **40 mL**



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## Batch Summary

Analytical Method: SW-846 8270D

Prep Method: SW-846 3520C
Prep Batch: XXX1779
Prep Date: 09/15/2011 14:18

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 11663 [XXX/1779] | 39897 | 09/16/2011 17:51 | XMS1236 | MSD6 | CMP |
| MW-01 | 31102486001 | 09/16/2011 23:43 | XMS1236 | MSD6 | CMP |
| MW-01(39724DUP) | 39899 | 09/17/2011 00:07 | XMS1236 | MSD6 | CMP |
| MW-02 | 31102486002 | 09/17/2011 00:31 | XMS1236 | MSD6 | CMP |
| MW-02(39725MS) | 39900 | 09/17/2011 00:54 | XMS1236 | MSD6 | CMP |
| Equip. Rinse | 31102486003 | 09/17/2011 01:17 | XMS1236 | MSD6 | CMP |
| Dup. MW-02 | 31102486004 | 09/17/2011 01:40 | XMS1236 | MSD6 | CMP |
| LCS for HBN 11663 [XXX/1779] | 39898 | 09/19/2011 13:51 | XMS1237 | MSD6 | CMP |



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## Method Blank Summary

Blank ID: MB for HBN 11663 [XXX/1779]
Blank Lab ID: 39897
QC for Samples:
31102486001, 31102486002, 31102486003, 31102486004

Matrix: Water

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Phenol | ND | U | 2.36 | 5.00 | ug/L | 1 |
| Bis(2-Chloroethyl)ether | ND | U | 2.21 | 5.00 | ug/L | 1 |
| 2-Chlorophenol | ND | U | 2.81 | 5.00 | ug/L | 1 |
| 1,3-Dichlorobenzene | ND | U | 1.65 | 5.00 | ug/L | 1 |
| 1,4-Dichlorobenzene | ND | U | 1.63 | 5.00 | ug/L | 1 |
| 1,2-Dichlorobenzene | ND | U | 1.71 | 5.00 | ug/L | 1 |
| 2-Methylphenol | ND | U | 2.07 | 5.00 | ug/L | 1 |
| 3 and/or 4-Methylphenol | ND | U | 2.24 | 5.00 | ug/L | 1 |
| Bis(2-Chloroisopropyl)ether | ND | U | 2.04 | 5.00 | ug/L | 1 |
| n-Nitrosodi-n-propylamine | ND | U | 2.23 | 5.00 | ug/L | 1 |
| Hexachloroethane | ND | U | 1.40 | 5.00 | ug/L | 1 |
| Nitrobenzene | ND | U | 2.19 | 5.00 | ug/L | 1 |
| Isophorone | ND | U | 2.09 | 5.00 | ug/L | 1 |
| 2-Nitrophenol | ND | U | 1.97 | 5.00 | ug/L | 1 |
| 2,4-Dimethylphenol | ND | U | 2.21 | 5.00 | ug/L | 1 |
| Bis(2-Chloroethoxy)methane | ND | U | 2.12 | 5.00 | ug/L | 1 |
| 2,4-Dichlorophenol | ND | U | 2.06 | 5.00 | ug/L | 1 |
| 1,2,4-Trichlorobenzene | ND | U | 1.73 | 5.00 | ug/L | 1 |
| Naphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 |
| 4-Chloroaniline | ND | U | 1.88 | 25.0 | ug/L | 1 |
| Hexachlorobutadiene | ND | U | 1.52 | 5.00 | ug/L | 1 |
| 4-Chloro-3-methylphenol | ND | U | 1.98 | 5.00 | ug/L | 1 |
| 2-Methylnaphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 |
| Hexachlorocyclopentadiene | ND | U | 0.788 | 10.0 | ug/L | 1 |
| 2,4,5-Trichlorophenol | ND | U | 2.08 | 5.00 | ug/L | 1 |
| 2,4,6-Trichlorophenol | ND | U | 2.03 | 5.00 | ug/L | 1 |
| 2-Chloronaphthalene | ND | U | 2.00 | 5.00 | ug/L | 1 |
| 2-Nitroaniline | ND | U | 1.69 | 5.00 | ug/L | 1 |
| 3-Nitroaniline | ND | U | 1.65 | 25.0 | ug/L | 1 |
| Dimethyl phthalate | ND | U | 2.14 | 5.00 | ug/L | 1 |
| 2,6-Dinitrotoluene | ND | U | 1.88 | 5.00 | ug/L | 1 |
| Acenaphthene | ND | U | 2.06 | 5.00 | ug/L | 1 |
| 2,4-Dinitrophenol | ND | U | 0.668 | 25.0 | ug/L | 1 |
| 4-Nitrophenol | ND | U | 1.27 | 25.0 | ug/L | 1 |
| Dibenzofuran | ND | U | 2.22 | 5.00 | ug/L | 1 |
| 2,4-Dinitrotoluene | ND | U | 1.84 | 5.00 | ug/L | 1 |
| Fluorene | ND | U | 2.44 | 5.00 | ug/L | 1 |
| Diethyl phthalate | ND | U | 2.10 | 5.00 | ug/L | 1 |
| 4-Chlorophenyl phenyl ether | ND | U | 2.46 | 5.00 | ug/L | 1 |
| 4-Nitroaniline | ND | U | 1.68 | 25.0 | ug/L | 1 |
| 4,6-Dinitro-2-methylphenol | ND | U | 0.494 | 25.0 | ug/L | 1 |



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## Method Blank Summary

Blank ID: MB for HBN 11663 [XXX/1779]
Blank Lab ID: 39897
QC for Samples:
31102486001, 31102486002, 31102486003, 31102486004

Matrix: Water

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Diphenylamine | ND | U | 2.02 | 5.00 | ug/L | 1 |
| 4-Bromophenyl phenyl ether | ND | U | 2.04 | 5.00 | ug/L | 1 |
| Hexachlorobenzene | ND | U | 1.93 | 5.00 | ug/L | 1 |
| Pentachlorophenol | ND | U | 1.55 | 25.0 | ug/L | 1 |
| Phenanthrene | ND | U | 1.99 | 5.00 | ug/L | 1 |
| Anthracene | ND | U | 1.93 | 5.00 | ug/L | 1 |
| Di-n-butyl phthalate | ND | U | 1.91 | 5.00 | ug/L | 1 |
| Fluoranthene | ND | U | 2.02 | 5.00 | ug/L | 1 |
| Pyrene | ND | U | 2.01 | 5.00 | ug/L | 1 |
| Butyl benzyl phthalate | ND | U | 1.89 | 5.00 | ug/L | 1 |
| Benzo(a)anthracene | ND | U | 1.96 | 5.00 | ug/L | 1 |
| 3,3'-Dichlorobenzidine | ND | U | 1.75 | 10.0 | ug/L | 1 |
| Chrysene | ND | U | 2.20 | 5.00 | ug/L | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 1.95 | 5.00 | ug/L | 1 |
| Di-n-octyl phthalate | ND | U | 1.46 | 5.00 | ug/L | 1 |
| Benzo(b)fluoranthene | ND | U | 1.96 | 5.00 | ug/L | 1 |
| Benzo(k)fluoranthene | ND | U | 2.31 | 5.00 | ug/L | 1 |
| Benzo(a)pyrene | ND | U | 1.86 | 5.00 | ug/L | 1 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.02 | 5.00 | ug/L | 1 |
| Dibenz(a,h)anthracene | ND | U | 2.02 | 5.00 | ug/L | 1 |
| Benzo(g,h,i)perylene | ND | U | 2.15 | 5.00 | ug/L | 1 |
| Benzoic acid | ND | U | 2.28 | 5.00 | ug/L | 1 |
| Acenaphthylene | ND | U | 2.00 | 5.00 | ug/L | 1 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 76.0 | | | 33.1-118 | % | 1 |
| Phenol-d6 | 74.0 | | | 49.0-120 | % | 1 |
| Nitrobenzene-d5 | 87.0 | | | 46.0-118 | % | 1 |
| 2-Fluorobiphenyl | 77.0 | | | 50.0-107 | % | 1 |
| 2,4,6-Tribromophenol | 74.0 | | | 29.3-152 | % | 1 |
| Terphenyl-d14 | 77.0 | | | 22.1-142 | % | 1 |

## Batch Information

Analytical Batch: XMS1236
Analytical Method: SW-846 8270D
Instrument: MSD6
Analyst: CMP
Analytical Date/Time: 9/16/2011 5:51:00PM

Prep Batch: XXX1779
Prep Method: SW-846 3520C
Prep Date/Time: 9/15/2011 2:18:18PM
Prep Initial Wt./Vol.: 1000 mL
Prep Extract Vol: 5 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 11663 [XXX/1779]
Blank Spike Lab ID: 39898
Date Analyzed: 09/19/2011 13:51

Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004

## Results by **SW-846 8270D**

| | Blank Spike (ug/L) | | | |
|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | CL |
| Phenol | 50.0 | 36.4 | 73 | 65.0-102 |
| Bis(2-Chloroethyl)ether | 50.0 | 37.6 | 75 | 60.0-112 |
| 2-Chlorophenol | 50.0 | 34.8 | 70 | 68.0-97.0 |
| 1,3-Dichlorobenzene | 50.0 | 30.0 | 60 | 31.0-71.0 |
| 1,4-Dichlorobenzene | 50.0 | 32.0 | 64 | 33.0-73.0 |
| 1,2-Dichlorobenzene | 50.0 | 31.8 | 64 | 36.0-77.0 |
| 2-Methylphenol | 50.0 | 37.7 | 75 | 66.0-97.0 |
| 3 and/or 4-Methylphenol | 100 | 81.2 | 81 | 68.0-100 |
| Bis(2-Chloroisopropyl)ether | 50.0 | 41.3 | 83 | 48.0-120 |
| n-Nitrosodi-n-propylamine | 50.0 | 43.7 | 87 | 59.0-102 |
| Hexachloroethane | 50.0 | 30.3 | 61 | 19.0-65.0 |
| Nitrobenzene | 50.0 | 42.0 | 84 | 63.0-114 |
| Isophorone | 50.0 | 42.3 | 85 | 64.0-110 |
| 2-Nitrophenol | 50.0 | 35.3 | **71*** | 72.0-103 |
| 2,4-Dimethylphenol | 50.0 | 37.0 | 74 | 44.0-98.0 |
| Bis(2-Chloroethoxy)methane | 50.0 | 36.8 | 74 | 70.0-114 |
| Benzoic acid | 50.0 | 39.2 | 78 | 0.00-351 |
| 2,4-Dichlorophenol | 50.0 | 38.9 | 78 | 71.0-106 |
| 1,2,4-Trichlorobenzene | 50.0 | 39.5 | 79 | 36.0-93.0 |
| Naphthalene | 50.0 | 38.5 | 77 | 53.0-97.0 |
| 4-Chloroaniline | 50.0 | 34.1 | 68 | 54.0-92.0 |
| Hexachlorobutadiene | 50.0 | 41.6 | 83 | 18.0-91.0 |
| 4-Chloro-3-methylphenol | 50.0 | 41.2 | 82 | 71.0-109 |
| 2-Methylnaphthalene | 50.0 | 40.2 | 80 | 58.0-106 |
| Hexachlorocyclopentadiene | 50.0 | 299 | 598 | 0.00-680 |
| 2,4,5-Trichlorophenol | 50.0 | 38.1 | 76 | 71.0-105 |
| 2,4,6-Trichlorophenol | 50.0 | 39.1 | 78 | 65.0-106 |
| 2-Chloronaphthalene | 50.0 | 36.1 | 72 | 50.0-85.0 |
| 2-Nitroaniline | 50.0 | 37.6 | 75 | 54.0-95.0 |
| 3-Nitroaniline | 50.0 | 31.8 | 64 | 59.0-93.0 |
| Dimethyl phthalate | 50.0 | 41.8 | 84 | 67.0-110 |
| 2,6-Dinitrotoluene | 50.0 | 38.1 | 76 | 67.0-112 |
| Acenaphthene | 50.0 | 39.6 | 79 | 64.0-100 |
| 2,4-Dinitrophenol | 50.0 | 27.6 | 55 | 36.0-111 |



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 11663 [XXX/1779]
Blank Spike Lab ID: 39898
Date Analyzed: 09/19/2011 13:51

Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004

### Results by **SW-846 8270D**

| | Blank Spike (ug/L) | | | |
|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | CL |
| 4-Nitrophenol | 50.0 | 42.3 | 85 | 50.0-116 |
| Dibenzofuran | 50.0 | 41.7 | 83 | 62.0-110 |
| 2,4-Dinitrotoluene | 50.0 | 41.1 | 82 | 64.0-113 |
| Fluorene | 50.0 | 41.5 | 83 | 65.0-103 |
| Diethyl phthalate | 50.0 | 40.3 | 81 | 64.0-111 |
| 4-Chlorophenyl phenyl ether | 50.0 | 44.4 | 89 | 64.0-107 |
| 4-Nitroaniline | 50.0 | 34.6 | 69 | 69.0-101 |
| 4,6-Dinitro-2-methylphenol | 50.0 | 26.2 | 52 | 52.0-108 |
| Diphenylamine | 50.0 | 31.0 | **62*** | 65.0-98.0 |
| 4-Bromophenyl phenyl ether | 50.0 | 36.8 | 74 | 64.0-102 |
| Hexachlorobenzene | 50.0 | 35.1 | 70 | 59.0-111 |
| Pentachlorophenol | 50.0 | 33.7 | 67 | 46.0-113 |
| Phenanthrene | 50.0 | 35.7 | 71 | 66.0-101 |
| Anthracene | 50.0 | 32.7 | 65 | 60.0-94.0 |
| Di-n-butyl phthalate | 50.0 | 35.5 | 71 | 65.0-112 |
| Fluoranthene | 50.0 | 35.3 | 71 | 66.0-103 |
| Pyrene | 50.0 | 35.5 | 71 | 68.0-102 |
| Butyl benzyl phthalate | 50.0 | 35.7 | 71 | 64.0-111 |
| Benzo(a)anthracene | 50.0 | 36.6 | 73 | 65.0-101 |
| 3,3'-Dichlorobenzidine | 50.0 | 14.2 | **28*** | 57.0-106 |
| Chrysene | 50.0 | 37.7 | 75 | 66.0-104 |
| Bis(2-Ethylhexyl)phthalate | 50.0 | 35.8 | 72 | 65.0-112 |
| Di-n-octyl phthalate | 50.0 | 38.1 | 76 | 68.0-117 |
| Benzo(b)fluoranthene | 50.0 | 38.2 | 76 | 55.0-99.0 |
| Benzo(k)fluoranthene | 50.0 | 41.6 | 83 | 67.0-114 |
| Benzo(a)pyrene | 50.0 | 37.6 | 75 | 63.0-99.0 |
| Indeno(1,2,3-cd)pyrene | 50.0 | 46.4 | 93 | 69.0-110 |
| Dibenz(a,h)anthracene | 50.0 | 45.6 | 91 | 67.0-111 |
| Benzo(g,h,i)perylene | 50.0 | 48.0 | 96 | 68.0-116 |
| Acenaphthylene | 50.0 | 39.4 | 79 | 66.0-115 |
| **Surrogates** | | | | |
| 2-Fluorophenol | | | 76 | 33.1-118 |
| Phenol-d6 | | | 81 | 49.0-120 |



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 11663 [XXX/1779]
Blank Spike Lab ID: 39898
Date Analyzed: 09/19/2011 13:51

Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004

## Results by **SW-846 8270D**

| | | Blank Spike (%) | | |
|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | CL |
| Nitrobenzene-d5 | | | 93 | 46.0-118 |
| 2-Fluorobiphenyl | | | 82 | 50.0-107 |
| 2,4,6-Tribromophenol | | | 82 | 29.3-152 |
| Terphenyl-d14 | | | 78 | 22.1-142 |

## Batch Information

Analytical Batch: **XMS1237**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**

Prep Batch: **XXX1779**
Prep Method: **SW-846 3520C**
Prep Date/Time: **09/15/2011 14:18**
Spike Init Wt./Vol.: **1000 mL** Extract Vol: **5 mL**
Dupe Init Wt./Vol.: Extract Vol:



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## Matrix Spike Summary

Original Sample ID: 31102486002 (MW-02)
MS Sample ID: 39900
MSD Sample ID:

Analysis Date: 09/17/2011 00:31
Analysis Date: 09/17/2011 00:54
Analysis Date:
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004

Results by **SW-846 8270D**

| | | Matrix Spike (ug/L) | | | Spike Duplicate (ug/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| 1,2,4-Trichlorobenzene | ND | 51.9 | 43.3 | 84 | | | | 41.0-96.0 | | |
| 1,2-Dichlorobenzene | ND | 51.9 | 35.3 | 68 | | | | 31.0-93.0 | | |
| 1,3-Dichlorobenzene | ND | 51.9 | 33.0 | 64 | | | | 25.0-87.0 | | |
| 1,4-Dichlorobenzene | ND | 51.9 | 34.9 | 67 | | | | 29.0-86.0 | | |
| 2,4,5-Trichlorophenol | ND | 51.9 | 42.6 | 82 | | | | 62.0-100 | | |
| 2,4,6-Trichlorophenol | ND | 51.9 | 41.5 | 80 | | | | 61.0-95.0 | | |
| 2,4-Dichlorophenol | ND | 51.9 | 42.7 | 82 | | | | 61.0-97.0 | | |
| 2,4-Dinitrophenol | ND | 51.9 | 46.6 | 90 | | | | 47.0-109 | | |
| 2,4-Dinitrotoluene | ND | 51.9 | 42.8 | 83 | | | | 63.0-103 | | |
| 2,6-Dinitrotoluene | ND | 51.9 | 40.8 | 79 | | | | 61.0-101 | | |
| 2-Chloronaphthalene | ND | 51.9 | 39.7 | 77 | | | | 54.0-105 | | |
| 2-Chlorophenol | ND | 51.9 | 38.5 | 74 | | | | 59.0-95.0 | | |
| 2-Methylnaphthalene | ND | 51.9 | 44.1 | 85 | | | | 45.0-121 | | |
| 2-Methylphenol | ND | 51.9 | 41.5 | 80 | | | | 62.0-99.0 | | |
| 2-Nitroaniline | ND | 51.9 | 40.7 | 79 | | | | 54.0-135 | | |
| 2-Nitrophenol | ND | 51.9 | 38.3 | 74 | | | | 50.0-97.0 | | |
| 3 and/or 4-Methylphenol | ND | 104 | 88.8 | 86 | | | | 51.0-102 | | |
| 3,3'-Dichlorobenzidine | ND | 51.9 | 15.1 | 29 | | | | 10.0-383 | | |
| 3-Nitroaniline | ND | 51.9 | 31.2 | 60 | | | | 10.0-200 | | |
| 4,6-Dinitro-2-methylphenol | ND | 51.9 | 39.3 | 76 | | | | 46.0-104 | | |
| 4-Chloro-3-methylphenol | ND | 51.9 | 46.1 | 89 | | | | 67.0-109 | | |
| 4-Chloroaniline | ND | 51.9 | 21.9 | 42 | | | | 12.0-198 | | |
| 4-Chlorophenyl phenyl ether | ND | 51.9 | 47.1 | 91 | | | | 51.0-114 | | |
| Acenaphthene | ND | 51.9 | 43.8 | 84 | | | | 55.0-106 | | |
| Acenaphthylene | ND | 51.9 | 42.2 | 81 | | | | 62.0-119 | | |
| Anthracene | ND | 51.9 | 37.0 | 71 | | | | 44.0-96.0 | | |
| Benzo(a)anthracene | ND | 51.9 | 41.1 | 79 | | | | 50.0-109 | | |
| Benzo(a)pyrene | ND | 51.9 | 42.3 | 82 | | | | 39.0-100 | | |
| Benzo(b)fluoranthene | ND | 51.9 | 41.8 | 81 | | | | 34.0-105 | | |
| Benzo(g,h,i)perylene | ND | 51.9 | 48.3 | 93 | | | | 36.0-116 | | |
| Benzo(k)fluoranthene | ND | 51.9 | 47.7 | 92 | | | | 26.0-120 | | |
| Benzoic acid | ND | 51.9 | 60.8 | 117 * | | | | 44.0-107 | | |
| Bis(2-Chloroethoxy)methane | ND | 51.9 | 40.6 | 78 | | | | 58.0-101 | | |
| Bis(2-Chloroethyl)ether | ND | 51.9 | 41.8 | 81 | | | | 47.0-93.0 | | |
| Bis(2-Chloroisopropyl)ether | ND | 51.9 | 46.0 | 89 | | | | 58.0-100 | | |
| Bis(2-Ethylhexyl)phthalate | ND | 51.9 | 40.2 | 78 | | | | 46.0-131 | | |
| 4-Bromophenyl phenyl ether | ND | 51.9 | 41.2 | 79 | | | | 36.0-112 | | |
| Butyl benzyl phthalate | ND | 51.9 | 40.0 | 77 | | | | 54.0-117 | | |

Print Date: 09/21/2011

N.C. Certification # 481

## Matrix Spike Summary

Original Sample ID: 31102486002 (MW-02)
MS Sample ID: 39900
MSD Sample ID:

Analysis Date: 09/17/2011 00:31
Analysis Date: 09/17/2011 00:54
Analysis Date:
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004

### Results by **SW-846 8270D**

| | | Matrix Spike (ug/L) | | | Spike Duplicate (ug/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Chrysene | ND | 51.9 | 42.3 | 82 | | | | 52.0-114 | | |
| Di-n-butyl phthalate | ND | 51.9 | 39.2 | 76 | | | | 53.0-111 | | |
| Di-n-octyl phthalate | ND | 51.9 | 44.5 | 86 | | | | 22.0-113 | | |
| Dibenz(a,h)anthracene | ND | 51.9 | 48.6 | 94 | | | | 33.0-117 | | |
| Dibenzofuran | ND | 51.9 | 45.4 | 88 | | | | 62.0-108 | | |
| Diethyl phthalate | ND | 51.9 | 43.4 | 84 | | | | 65.0-102 | | |
| Dimethyl phthalate | ND | 51.9 | 45.4 | 88 | | | | 61.0-100 | | |
| 2,4-Dimethylphenol | ND | 51.9 | 40.8 | 79 | | | | 29.0-110 | | |
| Diphenylamine | ND | 51.9 | 34.6 | 67 | | | | 24.0-114 | | |
| Fluoranthene | ND | 51.9 | 39.2 | 76 | | | | 49.0-109 | | |
| Fluorene | ND | 51.9 | 43.8 | 85 | | | | 58.0-108 | | |
| Hexachlorobenzene | ND | 51.9 | 39.4 | 76 | | | | 38.0-114 | | |
| Hexachlorobutadiene | ND | 51.9 | 45.9 | 89 | | | | 26.0-95.0 | | |
| Hexachlorocyclopentadiene | ND | 51.9 | 183 | 353 * | | | | 10.0-113 | | |
| Hexachloroethane | ND | 51.9 | 31.6 | 61 | | | | 15.0-96.0 | | |
| Indeno(1,2,3-cd)pyrene | ND | 51.9 | 49.1 | 95 | | | | 34.0-111 | | |
| Isophorone | ND | 51.9 | 46.2 | 89 | | | | 65.0-112 | | |
| Naphthalene | ND | 51.9 | 42.2 | 81 | | | | 25.0-131 | | |
| 4-Nitroaniline | ND | 51.9 | 35.1 | 68 | | | | 30.0-153 | | |
| Nitrobenzene | ND | 51.9 | 45.3 | 87 | | | | 57.0-98.0 | | |
| 4-Nitrophenol | ND | 51.9 | 46.9 | 91 | | | | 49.0-146 | | |
| Pentachlorophenol | ND | 51.9 | 44.0 | 85 | | | | 43.0-106 | | |
| Phenanthrene | ND | 51.9 | 39.0 | 75 | | | | 53.0-108 | | |
| Phenol | ND | 51.9 | 41.2 | 79 | | | | 61.0-100 | | |
| Pyrene | ND | 51.9 | 39.0 | 75 | | | | 41.0-123 | | |
| n-Nitrosodi-n-propylamine | ND | 51.9 | 49.7 | 96 | | | | 67.0-107 | | |
| **Surrogates** | | | | | | | | | | |
| 2,4,6-Tribromophenol | | | | 82 | | | | 29.3-152 | | |
| 2-Fluorobiphenyl | | | | 83 | | | | 50.0-107 | | |
| 2-Fluorophenol | | | | 83 | | | | 33.1-118 | | |
| Nitrobenzene-d5 | | | | 94 | | | | 46.0-118 | | |
| Phenol-d6 | | | | 84 | | | | 49.0-120 | | |
| Terphenyl-d14 | | | | 75 | | | | 22.1-142 | | |

Print Date: 09/21/2011

N.C. Certification # 481

## Matrix Spike Summary

Original Sample ID: 31102486002 (MW-02)
MS Sample ID: 39900
MSD Sample ID:

Analysis Date: 09/17/2011 00:31
Analysis Date: 09/17/2011 00:54
Analysis Date:
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004

## Results by **SW-846 8270D**

| | | Matrix Spike (%) | | | Spike Duplicate (%) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |

## Batch Information

Analytical Batch: **XMS1236**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**

Prep Batch: **XXX1779**
Prep Method: **SW-846 3520C**
Prep Date/Time: **09/15/2011 14:18**
MS Init Wt./Vol.: **964 mL** Extract Vol.: **5 mL**
MSD Init Wt./Vol.: Extract Vol.:



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## Duplicate Sample Summary

Original Sample ID: 31102486001-D
Duplicate Sample ID: 39899

Analysis Date: 09/16/2011 23:43
Analysis Date: 09/17/2011 00:07
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004

Results by **SW-846 8270D**

| PARAMETER | Original (ug/L) | Duplicate (ug/L) | RPD (%) | RPD CL |
|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | ND | 0.0 | 30.00 |
| 1,2-Dichlorobenzene | ND | ND | 0.0 | 30.00 |
| 1,3-Dichlorobenzene | ND | ND | 0.0 | 30.00 |
| 1,4-Dichlorobenzene | ND | ND | 0.0 | 30.00 |
| 2,4,5-Trichlorophenol | ND | ND | 0.0 | 30.00 |
| 2,4,6-Trichlorophenol | ND | ND | 0.0 | 30.00 |
| 2,4-Dichlorophenol | ND | ND | 0.0 | 30.00 |
| 2,4-Dimethylphenol | ND | ND | 0.0 | 30.00 |
| 2,4-Dinitrophenol | ND | ND | 0.0 | 30.00 |
| 2,4-Dinitrotoluene | ND | ND | 0.0 | 30.00 |
| 2,6-Dinitrotoluene | ND | ND | 0.0 | 30.00 |
| 2-Chloronaphthalene | ND | ND | 0.0 | 30.00 |
| 2-Chlorophenol | ND | ND | 0.0 | 30.00 |
| 2-Methylnaphthalene | ND | ND | 0.0 | 30.00 |
| 2-Methylphenol | ND | ND | 0.0 | 30.00 |
| 2-Nitroaniline | ND | ND | 0.0 | 30.00 |
| 2-Nitrophenol | ND | ND | 0.0 | 30.00 |
| 3 and/or 4-Methylphenol | ND | ND | 0.0 | 30.00 |
| 3,3'-Dichlorobenzidine | ND | ND | 0.0 | 30.00 |
| 3-Nitroaniline | ND | ND | 0.0 | 30.00 |
| 4,6-Dinitro-2-methylphenol | ND | ND | 0.0 | 30.00 |
| 4-Bromophenyl phenyl ether | ND | ND | 0.0 | 30.00 |
| 4-Chloro-3-methylphenol | ND | ND | 0.0 | 30.00 |
| 4-Chloroaniline | ND | ND | 0.0 | 30.00 |
| 4-Chlorophenyl phenyl ether | ND | ND | 0.0 | 30.00 |
| 4-Nitroaniline | ND | ND | 0.0 | 30.00 |
| 4-Nitrophenol | ND | ND | 0.0 | 30.00 |
| Acenaphthene | ND | ND | 0.0 | 30.00 |
| Acenaphthylene | ND | ND | 0.0 | 30.00 |
| Anthracene | ND | ND | 0.0 | 30.00 |
| Benzo(a)anthracene | ND | ND | 0.0 | 30.00 |
| Benzo(a)pyrene | ND | ND | 0.0 | 30.00 |
| Benzo(b)fluoranthene | ND | ND | 0.0 | 30.00 |
| Benzo(g,h,i)perylene | ND | ND | 0.0 | 30.00 |
| Benzo(k)fluoranthene | ND | ND | 0.0 | 30.00 |
| Benzoic acid | ND | ND | 0.0 | 30.00 |
| Bis(2-Chloroethoxy)methane | ND | ND | 0.0 | 30.00 |
| Bis(2-Chloroethyl)ether | ND | ND | 0.0 | 30.00 |
| Bis(2-Chloroisopropyl)ether | ND | 4.04 | **200*** | 30.00 |
| Bis(2-Ethylhexyl)phthalate | ND | ND | **200*** | 30.00 |



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## Duplicate Sample Summary

Original Sample ID: 31102486001-D
Duplicate Sample ID: 39899

Analysis Date: 09/16/2011 23:43
Analysis Date: 09/17/2011 00:07
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003, 31102486004

## Results by **SW-846 8270D**

| PARAMETER | Original (ug/L) | Duplicate (ug/L) | RPD (%) | RPD CL |
|---|---|---|---|---|
| Butyl benzyl phthalate | ND | ND | 0.0 | 30.00 |
| Chrysene | ND | ND | 0.0 | 30.00 |
| Di-n-butyl phthalate | ND | ND | 0.0 | 30.00 |
| Di-n-octyl phthalate | ND | ND | 0.0 | 30.00 |
| Dibenz(a,h)anthracene | ND | ND | 0.0 | 30.00 |
| Dibenzofuran | ND | ND | 0.0 | 30.00 |
| Diethyl phthalate | ND | ND | 0.0 | 30.00 |
| Dimethyl phthalate | ND | ND | 0.0 | 30.00 |
| Diphenylamine | ND | ND | 0.0 | 30.00 |
| Fluoranthene | ND | ND | 0.0 | 30.00 |
| Fluorene | ND | ND | 0.0 | 30.00 |
| Hexachlorobenzene | ND | ND | 0.0 | 30.00 |
| Hexachlorobutadiene | ND | ND | 0.0 | 30.00 |
| Hexachlorocyclopentadiene | ND | ND | 0.0 | 30.00 |
| Hexachloroethane | ND | ND | 0.0 | 30.00 |
| Indeno(1,2,3-cd)pyrene | ND | ND | 0.0 | 30.00 |
| Isophorone | ND | ND | 0.0 | 30.00 |
| n-Nitrosodi-n-propylamine | ND | ND | 0.0 | 30.00 |
| Naphthalene | ND | ND | 0.0 | 30.00 |
| Nitrobenzene | ND | ND | 0.0 | 30.00 |
| Pentachlorophenol | ND | ND | 0.0 | 30.00 |
| Phenanthrene | ND | ND | 0.0 | 30.00 |
| Phenol | ND | ND | 0.0 | 30.00 |
| Pyrene | ND | ND | 0.0 | 30.00 |
| **Surrogates** | | | | |
| 2-Fluorobiphenyl | 87.0 | 11.0 | 11 | 30.00 |
| 2-Fluorophenol | 82.0 | 12.0 | 12 | 30.00 |
| Phenol-d6 | 83.0 | 13.0 | 13 | 30.00 |

## Batch Information

Analytical Batch: XMS1236
Analytical Method: SW-846 8270D
Instrument: MSD6
Analyst: CMP

Prep Batch: XXX1779
Prep Method: SW-846 3520C
Prep Date/Time: 09/15/2011 14:18

Print Date: 09/21/2011

N.C. Certification # 481

## Batch Summary

Analytical Method: SW-846 6010C

Prep Method: SW-846 3010A
Prep Batch: MXX1512
Prep Date: 09/15/2011 16:13

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 11666 [MXX/1512] | 39912 | 09/16/2011 13:02 | MIP1243 | ICP1 | NTM |
| LCS for HBN 11666 [MXX/1512] | 39913 | 09/16/2011 13:09 | MIP1243 | ICP1 | NTM |
| LCSD for HBN 11666 [MXX/1512] | 39914 | 09/16/2011 13:16 | MIP1243 | ICP1 | NTM |
| MW-01 | 31102486001 | 09/16/2011 13:23 | MIP1243 | ICP1 | NTM |
| MW-01(39724MS) | 39915 | 09/16/2011 13:30 | MIP1243 | ICP1 | NTM |
| MW-01(39724MSD) | 39916 | 09/16/2011 13:36 | MIP1243 | ICP1 | NTM |
| MW-02 | 31102486002 | 09/16/2011 13:43 | MIP1243 | ICP1 | NTM |
| Equip. Rinse | 31102486003 | 09/16/2011 13:50 | MIP1243 | ICP1 | NTM |
| Equip. Rinse(39726DUP) | 39917 | 09/16/2011 13:57 | MIP1243 | ICP1 | NTM |



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## Method Blank Summary

Blank ID: MB for HBN 11666 [MXX/1512]
Blank Lab ID: 39912
QC for Samples:
31102486001, 31102486002, 31102486003

Matrix: Water

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Arsenic | ND | U | 0.00369 | 0.0100 | mg/L | 1 |
| Selenium | ND | U | 0.00268 | 0.0200 | mg/L | 1 |
| Antimony | ND | U | 0.00319 | 0.0400 | mg/L | 1 |
| Zinc | ND | U | 0.00226 | 0.0200 | mg/L | 1 |
| Lead | ND | U | 0.00541 | 0.0100 | mg/L | 1 |
| Nickel | ND | U | 0.00306 | 0.0100 | mg/L | 1 |
| Manganese | **0.00202** | J | 0.00152 | 0.0100 | mg/L | 1 |
| Chromium | **0.00290** | J | 0.00147 | 0.0100 | mg/L | 1 |
| Copper | **0.00203** | J | 0.000672 | 0.0100 | mg/L | 1 |
| Silver | **0.00442** | J | 0.00105 | 0.0100 | mg/L | 1 |

## Batch Information

Analytical Batch: MIP1243
Analytical Method: SW-846 6010C
Instrument: ICP1
Analyst: NTM
Analytical Date/Time: 9/16/2011 1:02:40PM

Prep Batch: MXX1512
Prep Method: SW-846 3010A
Prep Date/Time: 9/15/2011 4:13:16PM
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 11666 [MXX/1512]
Blank Spike Lab ID: 39913
Date Analyzed: 09/16/2011 13:09

Spike Duplicate ID: LCSD for HBN 11666 [MXX/1512]
Spike Duplicate Lab ID: 39914
Date Analyzed: 09/16/2011 13:16
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003

## Results by **SW-846 6010C**

| | Blank Spike (mg/L) | | | Spike Duplicate (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Arsenic | 0.400 | 0.407 | 102 | 0.400 | 0.384 | 96 | 80.0-120 | 5.8 | 20.00 |
| Selenium | 0.400 | 0.368 | 92 | 0.400 | 0.352 | 88 | 80.0-120 | 4.4 | 20.00 |
| Antimony | 0.400 | 0.396 | 99 | 0.400 | 0.377 | 94 | 80.0-120 | 4.9 | 20.00 |
| Zinc | 0.400 | 0.368 | 92 | 0.400 | 0.354 | 88 | 80.0-120 | 3.9 | 20.00 |
| Lead | 0.400 | 0.369 | 92 | 0.400 | 0.353 | 88 | 80.0-120 | 4.4 | 20.00 |
| Nickel | 0.400 | 0.389 | 97 | 0.400 | 0.370 | 92 | 80.0-120 | 5.0 | 20.00 |
| Manganese | 0.400 | 0.390 | 97 | 0.400 | 0.371 | 93 | 80.0-120 | 5.0 | 20.00 |
| Chromium | 0.400 | 0.380 | 95 | 0.400 | 0.363 | 91 | 80.0-120 | 4.6 | 20.00 |
| Copper | 0.400 | 0.382 | 95 | 0.400 | 0.365 | 91 | 80.0-120 | 4.6 | 20.00 |
| Silver | 0.400 | 0.384 | 96 | 0.400 | 0.367 | 92 | 80.0-120 | 4.5 | 20.00 |

## Batch Information

Analytical Batch: **MIP1243**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**

Prep Batch: **MXX1512**
Prep Method: **SW-846 3010A**
Prep Date/Time: **09/15/2011 16:13**
Spike Init Wt./Vol.: **50 mL** Extract Vol: **50 mL**
Dupe Init Wt./Vol.: **50 mL** Extract Vol: **50 mL**



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## Matrix Spike Summary

Original Sample ID: 31102486001 (MW-01)
MS Sample ID: 39915
MSD Sample ID: 39916

Analysis Date: 09/16/2011 13:23
Analysis Date: 09/16/2011 13:30
Analysis Date: 09/16/2011 13:36
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003

## Results by **SW-846 6010C**

| | | Matrix Spike (mg/L) | | | Spike Duplicate (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Antimony | ND | 0.400 | 0.404 | 101 | 0.400 | 0.389 | 97 | 75.0-125 | 3.8 | 20.00 |
| Arsenic | ND | 0.400 | 0.414 | 104 | 0.400 | 0.401 | 100 | 75.0-125 | 3.2 | 20.00 |
| Chromium | 0.00345 | 0.400 | 0.374 | 93 | 0.400 | 0.362 | 91 | 75.0-125 | 3.3 | 20.00 |
| Copper | 0.00157 | 0.400 | 0.378 | 95 | 0.400 | 0.368 | 92 | 75.0-125 | 2.7 | 20.00 |
| Lead | ND | 0.400 | 0.361 | 90 | 0.400 | 0.346 | 86 | 75.0-125 | 4.2 | 20.00 |
| Manganese | 0.00844 | 0.400 | 0.393 | 98 | 0.400 | 0.378 | 94 | 75.0-125 | 3.9 | 20.00 |
| Nickel | ND | 0.400 | 0.377 | 94 | 0.400 | 0.365 | 91 | 75.0-125 | 3.2 | 20.00 |
| Selenium | ND | 0.400 | 0.370 | 93 | 0.400 | 0.357 | 89 | 75.0-125 | 3.6 | 20.00 |
| Zinc | ND | 0.400 | 0.368 | 92 | 0.400 | 0.354 | 89 | 75.0-125 | 3.9 | 20.00 |
| Silver | 0.00399 | 0.400 | 0.378 | 94 | 0.400 | 0.365 | 91 | 75.0-125 | 3.5 | 20.00 |

## Batch Information

Analytical Batch: **MIP1243**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**

Prep Batch: **MXX1512**
Prep Method: **SW-846 3010A**
Prep Date/Time: **09/15/2011 16:13**
MS Init Wt./Vol.: **50 mL** Extract Vol.: **50 mL**
MSD Init Wt./Vol.: **50 mL** Extract Vol.: **50 mL**



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## Duplicate Sample Summary

Original Sample ID: 31102486003-F
Duplicate Sample ID: 39917

Analysis Date: 09/16/2011 13:50
Analysis Date: 09/16/2011 13:57
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003

## Results by **SW-846 6010C**

| PARAMETER | Original (mg/L) | Duplicate (mg/L) | RPD (%) | RPD CL |
|---|---|---|---|---|
| Antimony | ND | ND | -118 | 20.00 |
| Arsenic | ND | ND | -15 | 20.00 |
| Chromium | 0.00246 | 0.00356 | **37*** | 20.00 |
| Copper | 0.00228 | 0.00138 | **49*** | 20.00 |
| Lead | ND | ND | 6.6 | 20.00 |
| Manganese | 0.00177 | 0.00164 | 7.6 | 20.00 |
| Nickel | ND | ND | **51*** | 20.00 |
| Selenium | ND | ND | -197 | 20.00 |
| Silver | 0.00453 | 0.00435 | 4.1 | 20.00 |
| Zinc | ND | ND | -66 | 20.00 |

## Batch Information

Analytical Batch: MIP1243
Analytical Method: SW-846 6010C
Instrument: ICP1
Analyst: NTM

Prep Batch: MXX1512
Prep Method: SW-846 3010A
Prep Date/Time: 09/15/2011 16:13



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## Batch Summary

Analytical Method: SW-846 7470A

Prep Method: SW-846 7470A PREP
Prep Batch: MXX1520
Prep Date: 09/20/2011 08:57

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 11795 [MXX/1520] | 40372 | 09/20/2011 13:51 | MHG1131 | HG2 | NTM |
| LCS for HBN 11795 [MXX/1520] | 40373 | 09/20/2011 13:53 | MHG1131 | HG2 | NTM |
| LCSD for HBN 11795 [MXX/1520] | 40374 | 09/20/2011 13:59 | MHG1131 | HG2 | NTM |
| MW-01 | 31102486001 | 09/20/2011 14:01 | MHG1131 | HG2 | NTM |
| MW-01(39724MS) | 40375 | 09/20/2011 14:03 | MHG1131 | HG2 | NTM |
| MW-01(39724MSD) | 40376 | 09/20/2011 14:05 | MHG1131 | HG2 | NTM |
| MW-02 | 31102486002 | 09/20/2011 14:08 | MHG1131 | HG2 | NTM |
| Equip. Rinse | 31102486003 | 09/20/2011 14:10 | MHG1131 | HG2 | NTM |
| Water Sample(40227DUP) | 40377 | 09/20/2011 14:14 | MHG1131 | HG2 | NTM |



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## Method Blank Summary

Blank ID: MB for HBN 11795 [MXX/1520]
Blank Lab ID: 40372
QC for Samples:
31102486001, 31102486002, 31102486003

Matrix: Water

## Results by **SW-846 7470A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Mercury | **0.0000300** | J | 0.0000190 | 0.000150 | mg/L | 1 |

## Batch Information

Analytical Batch: MHG1131
Analytical Method: SW-846 7470A
Instrument: HG2
Analyst: NTM
Analytical Date/Time: 9/20/2011 1:51:19PM

Prep Batch: MXX1520
Prep Method: SW-846 7470A PREP
Prep Date/Time: 9/20/2011 8:57:52AM
Prep Initial Wt./Vol.: 40 mL
Prep Extract Vol: 57 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 11795 [MXX/1520]
Blank Spike Lab ID: 40373
Date Analyzed: 09/20/2011 13:53

Spike Duplicate ID: LCSD for HBN 11795 [MXX/1520]
Spike Duplicate Lab ID: 40374
Date Analyzed: 09/20/2011 13:59
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003

## Results by **SW-846 7470A**

| | Blank Spike (mg/L) | | | Spike Duplicate (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Mercury | 0.00713 | 0.00816 | 114 | 0.00713 | 0.00746 | 105 | 80.0-120 | 9.0 | 20.00 |

## Batch Information

Analytical Batch: **MHG1131**
Analytical Method: **SW-846 7470A**
Instrument: **HG2**
Analyst: **NTM**

Prep Batch: **MXX1520**
Prep Method: **SW-846 7470A PREP**
Prep Date/Time: **09/20/2011 08:57**
Spike Init Wt./Vol.: **40 mL** Extract Vol: **57 mL**
Dupe Init Wt./Vol.: **40 mL** Extract Vol: **57 mL**



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## Matrix Spike Summary

Original Sample ID: 31102486001 (MW-01)
MS Sample ID: 40375
MSD Sample ID: 40376

QC for Samples: 31102486001, 31102486002, 31102486003

Analysis Date: 09/20/2011 14:01
Analysis Date: 09/20/2011 14:03
Analysis Date: 09/20/2011 14:05
Matrix: Water

## Results by **SW-846 7470A**

| | | Matrix Spike (mg/L) | | | Spike Duplicate (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Mercury | 0.0000214 | 0.00713 | 0.00765 | 107 | 0.00713 | 0.00742 | 104 | 75.0-125 | 3.1 | 20.00 |

## Batch Information

Analytical Batch: **MHG1131**
Analytical Method: **SW-846 7470A**
Instrument: **HG2**
Analyst: **NTM**

Prep Batch: **MXX1520**
Prep Method: **SW-846 7470A PREP**
Prep Date/Time: **09/20/2011 08:57**
MS Init Wt./Vol.: **40 mL** Extract Vol.: **57 mL**
MSD Init Wt./Vol.: **40 mL** Extract Vol.: **57 mL**



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## Batch Summary

Analytical Method: SW-846 6020A

Prep Method: SW-846 3010A
Prep Batch: MXX1512
Prep Date: 09/15/2011 16:13

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 11666 [MXX/1512] | 39912 | 09/20/2011 11:43 | MMS1094 | ICPMS2 | PSW |
| LCS for HBN 11666 [MXX/1512] | 39913 | 09/20/2011 11:47 | MMS1094 | ICPMS2 | PSW |
| LCSD for HBN 11666 [MXX/1512] | 39914 | 09/20/2011 11:52 | MMS1094 | ICPMS2 | PSW |
| MW-01 | 31102486001 | 09/20/2011 12:05 | MMS1094 | ICPMS2 | PSW |
| MW-01(39724MS) | 39915 | 09/20/2011 12:09 | MMS1094 | ICPMS2 | PSW |
| MW-01(39724MSD) | 39916 | 09/20/2011 12:14 | MMS1094 | ICPMS2 | PSW |
| MW-02 | 31102486002 | 09/20/2011 12:18 | MMS1094 | ICPMS2 | PSW |
| Equip. Rinse | 31102486003 | 09/20/2011 12:23 | MMS1094 | ICPMS2 | PSW |
| Equip. Rinse(39726DUP) | 39917 | 09/20/2011 12:27 | MMS1094 | ICPMS2 | PSW |



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## Method Blank Summary

Blank ID: MB for HBN 11666 [MXX/1512]
Blank Lab ID: 39912
QC for Samples:
31102486001, 31102486002, 31102486003

Matrix: Water

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.000594 | 0.00500 | mg/L | 10 |
| Cadmium | ND | U | 0.000278 | 0.00500 | mg/L | 10 |
| Thallium | ND | U | 0.000297 | 0.00500 | mg/L | 10 |

## Batch Information

Analytical Batch: MMS1094
Analytical Method: SW-846 6020A
Instrument: ICPMS2
Analyst: PSW
Analytical Date/Time: 9/20/2011 11:43:28AM

Prep Batch: MXX1512
Prep Method: SW-846 3010A
Prep Date/Time: 9/15/2011 4:13:16PM
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 11666 [MXX/1512]
Blank Spike Lab ID: 39913
Date Analyzed: 09/20/2011 11:47

Spike Duplicate ID: LCSD for HBN 11666 [MXX/1512]
Spike Duplicate Lab ID: 39914
Date Analyzed: 09/20/2011 11:52
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003

## Results by **SW-846 6020A**

| | Blank Spike (mg/L) | | | Spike Duplicate (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Beryllium | 0.400 | 0.426 | 107 | 0.400 | 0.442 | 111 | 80.0-120 | 3.7 | 20.00 |
| Cadmium | 0.400 | 0.430 | 108 | 0.400 | 0.443 | 111 | 80.0-120 | 3.0 | 20.00 |
| Thallium | 0.400 | 0.434 | 109 | 0.400 | 0.451 | 113 | 80.0-120 | 3.8 | 20.00 |

## Batch Information

Analytical Batch: **MMS1094**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**

Prep Batch: **MXX1512**
Prep Method: **SW-846 3010A**
Prep Date/Time: **09/15/2011 16:13**
Spike Init Wt./Vol.: **50 mL** Extract Vol: **50 mL**
Dupe Init Wt./Vol.: **50 mL** Extract Vol: **50 mL**



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## Matrix Spike Summary

Original Sample ID: 31102486001 (MW-01)
MS Sample ID: 39915
MSD Sample ID: 39916

QC for Samples: 31102486001, 31102486002, 31102486003

Analysis Date: 09/20/2011 12:05
Analysis Date: 09/20/2011 12:09
Analysis Date: 09/20/2011 12:14
Matrix: Water

## Results by **SW-846 6020A**

| | | Matrix Spike (mg/L) | | | Spike Duplicate (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Beryllium | ND | 0.400 | 0.436 | 109 | 0.400 | 0.434 | 109 | 75.0-125 | 0.46 | 25.00 |
| Cadmium | ND | 0.400 | 0.426 | 107 | 0.400 | 0.450 | 113 | 75.0-125 | 5.5 | 25.00 |
| Thallium | ND | 0.400 | 0.430 | 108 | 0.400 | 0.454 | 114 | 75.0-125 | 5.4 | 25.00 |

## Batch Information

Analytical Batch: **MMS1094**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**

Prep Batch: **MXX1512**
Prep Method: **SW-846 3010A**
Prep Date/Time: **09/15/2011 16:13**
MS Init Wt./Vol.: **50 mL** Extract Vol.: **50 mL**
MSD Init Wt./Vol.: **50 mL** Extract Vol.: **50 mL**



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## Duplicate Sample Summary

Original Sample ID: 31102486003-F
Duplicate Sample ID: 39917

Analysis Date: 09/20/2011 12:23
Analysis Date: 09/20/2011 12:27
Matrix: Water

QC for Samples: 31102486001, 31102486002, 31102486003

## Results by **SW-846 6020A**

| PARAMETER | Original (mg/L) | Duplicate (mg/L) | RPD (%) | RPD CL |
|---|---|---|---|---|
| Beryllium | ND | ND | 0.0 | 20.00 |
| Cadmium | ND | ND | 0.0 | 20.00 |
| Thallium | ND | ND | 0.0 | 20.00 |

## Batch Information

Analytical Batch: MMS1094
Analytical Method: SW-846 6020A
Instrument: ICPMS2
Analyst: PSW

Prep Batch: MXX1512
Prep Method: SW-846 3010A
Prep Date/Time: 09/15/2011 16:13



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103910

(1)

CLIENT: Catlin Eng. & Sci.

CONTACT: Rick Garrett PHONE NO: 910 452.5861

PROJECT: Coca-Cola SITE/PWSID#: 208069

REPORTS TO: Rick Garrett FAX NO.: (910) 4527563

INVOICE TO: Sheil @ Catlin QUOTE #:

P.O. NUMBER: 110914-5

SGS Reference: 311024486

PAGE 1 OF 1

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C= COMP, G= GRAB) | 62008 + TICs (3) | 8270 + TICs | Total Metals* | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MW-01 | 9/14/11 | 1420 | GW | 6 | G | X | X | X | | | | | | | Total Metals |
| | MW-02 | | 1230 | | 6 | | X | X | X | | | | | | | must include: |
| | Equip. Rinse | | 1200 | | 6 | | X | X | X | | | | | | | Antimony, Arsenic, |
| | Dup. MW-02 | | 1232 | | 5 | | X | X | | | | | | | | Beryllium, Cadmium, |
| | Trip Blank | | | | | | | | | | | | | | | Chromium, Copper, |
| | | | | | | | | | | | | | | | | lead, Magnese, |
| | | | | | | | | | | | | | | | | Mercury, Nickel, |
| | | | | | | | | | | | | | | | | Selenium, Silver, |
| | | | | | | | | | | | | | | | | Thallium, & Zinc. |

Preservatives Used

Analysis Required

(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: |
|---|---|---|---|
| Justin Hiller | 9/14/11 | 15:55 | |
| Relinquished By: (2) | Date | Time | Received By: |
| Relinquished By: (3) | Date | Time | Received By: |
| Relinquished By: (4) | Date | Time | Received By: |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 3.6

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions: Report low runs. Report in summary EDD format.

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☑ STD



❑ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
❑ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

# SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Catlin** Work Order No.: **31102486**

1. ___ Shipped
   x Hand Delivered

2. x COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. ___ Custody Tape on Container
   x No Custody Tape

4. x Samples Intact
   ___ Samples Broken / Leaking

5. x Chilled on Receipt Actual Temp.(s) in °C: 3.6
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ Received Outside of Temperature Specifications

6. x Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   x HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. x Received Within Holding Time
   ___ Not Received Within Holding Time

9. x No Discrepancies Noted
   ___ Discrepancies Noted

10. x No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: TP

Date: Wed-9/14/11 00:00



MI_11.5

## Laboratory Report of Analysis

To: Rick Garrett
RICHARD CATLIN & ASSOCIATES
220 Old Dairy Rd.
Wilmington, NC 28405

Report Number: **31102150**

Client Project: **Coca-cola Vehicle Maint. Fac.**

Dear Rick Garrett,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Barbara A. Hager Date
Project Manager
barbara.hager@sgs.com

Print Date: 01/06/2012 N.C. Certification # 481

## Laboratory Qualifiers

### Report Definitions

| | |
|---|---|
| DL | Method, Instrument, or Estimated Detection Limit per Analytical Method |
| CL | Control Limits for the recovery result of a parameter |
| LOQ | Reporting Limit |
| DF | Dilution Factor |
| RPD | Relative Percent Difference |
| LCS(D) | Laboratory Control Spike (Duplicate) |
| MS(D) | Matrix Spike (Duplicate) |
| MB | Method Blank |

### Qualifier Definitions

| | |
|---|---|
| * | Recovery or RPD outside of control limits |
| B | Analyte was detected in the Lab Method Blank at a level above the LOQ |
| U | Undetected (Reported as ND or < DL) |
| V | Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit |
| A | Amount detected is less than the Lower Method Calibration Limit |
| J | Amount detected is between the Method Detection Limit and the Lower Calibration Limit |
| O | The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high |
| E | Amount detected is greater than the Upper Calibration Limit |
| S | The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s) |
| Q | Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s) |
| I | Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s) |
| DPE | Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s) |
| TIC | Tentatively Identified Compound |
| EMPC | Estimated Maximum possible Concentration due to ion ratio failure |
| ND | Not Detected |
| K | Result is estimated due to ion ratio failure in High Resolution PCB Analysis |
| P | RPD > 40% between results of dual columns |
| D | Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range |

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

| | |
|---|---|
| M1 | Mis-identified peak |
| M2 | Software did not integrate peak |
| M3 | Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one) |
| M4 | Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane) |
| M5 | Other - Explained in case narrative |

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.



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## Sample Summary

| Client Sample ID | Lab Sample ID | Collected | Received | Matrix |
|---|---|---|---|---|
| SB01 (1.0-2.0) | 31102150001 | 08/12/2011 09:15 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB01 (2.0-3.0) | 31102150002 | 08/12/2011 09:15 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB02 (1.0-2.0) | 31102150003 | 08/11/2011 14:50 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB02 (2.0-3.0) | 31102150004 | 08/11/2011 14:50 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB03 (0.5-1.5) | 31102150005 | 08/11/2011 13:30 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB03 (1.5-2.5) | 31102150006 | 08/11/2011 13:30 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB04 (2.0-3.0) | 31102150007 | 08/11/2011 12:20 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB05 (2.0-3.0) | 31102150008 | 08/11/2011 13:15 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB06 (2.0-3.0) | 31102150009 | 08/11/2011 13:50 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB07 (1.0-1.5) | 31102150010 | 08/12/2011 08:00 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB08 (2.0-3.0) | 31102150011 | 08/12/2011 09:20 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB09 (2.0-3.0) | 31102150012 | 08/11/2011 14:30 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB10 (2.0-3.0) | 31102150013 | 08/12/2011 09:50 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB11 (2.0-3.0) | 31102150014 | 08/12/2011 10:10 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB11D (2.0-3.0) | 31102150015 | 08/12/2011 10:10 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB12 (2.0-3.0) | 31102150016 | 08/12/2011 08:45 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB13 (2.0-3.0) | 31102150017 | 08/12/2011 08:20 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| Trip Blank | 31102150018 | 08/12/2011 00:00 | 08/12/2011 15:25 | Soil-Solid as dry weight |



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## Case Narrative

**E11-157-S3(35294MS)**
8260B- The MB for Batch VMS1467 contains Methylene Chloride at a level that is above the MDL but beloew the RL.

**E11-160-S1(35295DUP)**
8260B- The MB for Batch VMS1467 contains Methylene Chloride at a level that is above the MDL but beloew the RL.

**LCSD-S for HBN 10328 [VXX/1943**
8260B- The MB for Batch VMS1467 contains Methylene Chloride at a level that is above the MDL but beloew the RL.

**LCS-S for HBN 10328 [VXX/1943]**
8260B- The MB for Batch VMS1467 contains Methylene Chloride at a level that is above the MDL but beloew the RL.

**MB-S for HBN 10328 [VXX/1943]**
8260B- The MB for Batch VMS1467 contains Methylene Chloride at a level that is above the MDL but beloew the RL.

**SB01 (1.0-2.0)**
8260B- Low Internal Standard recoveries were confirmed by duplicate analysis.

**SB01 (2.0-3.0)**
8260B- The MB for Batch VMS1467 contains Methylene Chloride at a level that is above the MDL but beloew the RL.
8260B- Low Internal Standard recoveries were confirmed by duplicate analysis.



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## Case Narrative

**SB04 (2.0-3.0)**
8260B- Low Internal Standard recoveries were confirmed by duplicate analysis.

**SB05 (2.0-3.0)**
8260B- The MB for Batch VMS1467 contains Methylene Chloride at a level that is above the MDL but beloew the RL.

**SB06 (2.0-3.0)**
8260B- Low Internal Standard recoveries were confirmed by duplicate analysis.

**SB07 (1.0-1.5)**
8260B- The MB for Batch VMS1467 contains Methylene Chloride at a level that is above the MDL but beloew the RL.
8260B- Low Internal Standard recoveries were confirmed by duplicate analysis.

**SB08 (2.0-3.0)**
8260B- The MB for Batch VMS1467 contains Methylene Chloride at a level that is above the MDL but beloew the RL.

**SB11 (2.0-3.0)**
8260B- The MB for Batch VMS1467 contains Methylene Chloride at a level that is above the MDL but beloew the RL.

**SB12 (2.0-3.0)**
8260B- Low Internal Standard recoveries were confirmed by duplicate analysis.

**Trip Blank**
8260B - the Trip Blank has a reported 'J' hit for Methylene Chloride.



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## Detectable Results Summary

Client Sample ID: **SB01 (1.0-2.0)**
Lab Sample ID: 31102150001-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Silver | 0.213 | mg/kg | J |
| | Chromium | 2.64 | mg/kg | |
| | Copper | 15.9 | mg/kg | |
| | Lead | 162 | mg/kg | |
| | Manganese | 86.7 | mg/kg | |
| | Nickel | 1.12 | mg/kg | |
| | Zinc | 69.2 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.0439 | mg/kg | J |
| **SW-846 7471B** | Mercury | 0.195 | mg/kg | |
| **SW-846 8260B** | 2-Butanone | 2.55 | ug/Kg | J |
| | Acetone | 32.9 | ug/Kg | J |
| | Methylene chloride | 2.42 | ug/Kg | J |
| | Tetrachloroethene | 43.4 | ug/Kg | |
| | Toluene | 1.16 | ug/Kg | J |
| **SW-846 8260B-SPLP** | Tetrachloroethene | 0.230 | ug/L | J |
| **SW-846 8270D** | 2-Methylnaphthalene | 97.3 | ug/Kg | J |
| | Acenaphthene | 32.4 | ug/Kg | J |
| | Acenaphthylene | 104 | ug/Kg | J |
| | Anthracene | 68.4 | ug/Kg | J |
| | Benzo(a)anthracene | 364 | ug/Kg | |
| | Benzo(a)pyrene | 537 | ug/Kg | |
| | Benzo(b)fluoranthene | 937 | ug/Kg | |
| | Benzo(g,h,i)perylene | 461 | ug/Kg | |
| | Benzo(k)fluoranthene | 281 | ug/Kg | J |
| | Chrysene | 793 | ug/Kg | |
| | Dibenz(a,h)anthracene | 93.7 | ug/Kg | J |
| | Dibenzofuran | 162 | ug/Kg | J |
| | Fluoranthene | 1960 | ug/Kg | |
| | Fluorene | 112 | ug/Kg | J |
| | Indeno(1,2,3-cd)pyrene | 400 | ug/Kg | |
| | Naphthalene | 173 | ug/Kg | J |
| | Phenanthrene | 2240 | ug/Kg | |
| | Pyrene | 1750 | ug/Kg | |



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## Detectable Results Summary

Client Sample ID: **SB01 (2.0-3.0)**
Lab Sample ID: 31102150002-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Silver | 0.545 | mg/kg | J |
| | Arsenic | 0.597 | mg/kg | J |
| | Chromium | 5.40 | mg/kg | |
| | Copper | 27.4 | mg/kg | |
| | Lead | 504 | mg/kg | |
| | Manganese | 133 | mg/kg | |
| | Nickel | 2.05 | mg/kg | |
| | Selenium | 0.396 | mg/kg | J |
| | Zinc | 231 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.352 | mg/kg | |
| **SW-846 7471B** | Mercury | 0.281 | mg/kg | |
| **SW-846 8260B** | 2-Butanone | 4.37 | ug/Kg | J |
| | Acetone | 57.0 | ug/Kg | |
| | Benzene | 3.13 | ug/Kg | J |
| | Methylene chloride | 5.28 | ug/Kg | J |
| | Tetrachloroethene | 27.9 | ug/Kg | |
| | Toluene | 1.71 | ug/Kg | J |
| **SW-846 8260B-SPLP** | Tetrachloroethene | 0.170 | ug/L | J |
| **SW-846 8270D** | Acenaphthylene | 59.3 | ug/Kg | J |
| | Benzo(a)anthracene | 133 | ug/Kg | J |
| | Benzo(a)pyrene | 255 | ug/Kg | J |
| | Benzo(b)fluoranthene | 513 | ug/Kg | |
| | Benzo(g,h,i)perylene | 283 | ug/Kg | J |
| | Benzo(k)fluoranthene | 202 | ug/Kg | J |
| | Chrysene | 450 | ug/Kg | |
| | Dibenz(a,h)anthracene | 38.4 | ug/Kg | J |
| | Dibenzofuran | 38.4 | ug/Kg | J |
| | Fluoranthene | 908 | ug/Kg | |
| | Indeno(1,2,3-cd)pyrene | 234 | ug/Kg | J |
| | Phenanthrene | 775 | ug/Kg | |
| | Pyrene | 775 | ug/Kg | |



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## Detectable Results Summary

Client Sample ID: **SB02 (1.0-2.0)**
Lab Sample ID: 31102150003-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Arsenic | 0.985 | mg/kg | J |
| | Chromium | 3.40 | mg/kg | |
| | Copper | 16.8 | mg/kg | |
| | Lead | 174 | mg/kg | |
| | Manganese | 57.5 | mg/kg | |
| | Nickel | 1.14 | mg/kg | |
| | Zinc | 121 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.0915 | mg/kg | J |
| **SW-846 7471B** | Mercury | 0.469 | mg/kg | |
| **SW-846 8260B** | 1,2,4-Trimethylbenzene | 5.54 | ug/Kg | J |
| | Naphthalene | 12.1 | ug/Kg | J |
| | Tetrachloroethene | 229 | ug/Kg | |
| | Toluene | 20.1 | ug/Kg | J |
| | m,p-Xylene | 17.6 | ug/Kg | J |
| | o-Xylene | 6.55 | ug/Kg | J |
| **SW-846 8260B-SPLP** | Tetrachloroethene | 0.330 | ug/L | J |
| **SW-846 8270D** | Benzo(a)anthracene | 163 | ug/Kg | J |
| | Benzo(a)pyrene | 219 | ug/Kg | J |
| | Benzo(b)fluoranthene | 289 | ug/Kg | J |
| | Benzo(g,h,i)perylene | 169 | ug/Kg | J |
| | Benzo(k)fluoranthene | 126 | ug/Kg | J |
| | Chrysene | 209 | ug/Kg | J |
| | Dibenz(a,h)anthracene | 39.8 | ug/Kg | J |
| | Fluoranthene | 342 | ug/Kg | |
| | Indeno(1,2,3-cd)pyrene | 153 | ug/Kg | J |
| | Phenanthrene | 133 | ug/Kg | J |
| | Pyrene | 342 | ug/Kg | |



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## Detectable Results Summary

Client Sample ID: **SB02 (2.0-3.0)**
Lab Sample ID: 31102150004-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Silver | 0.267 | mg/kg | J |
| | Chromium | 4.65 | mg/kg | |
| | Copper | 141 | mg/kg | |
| | Lead | 193 | mg/kg | |
| | Manganese | 84.6 | mg/kg | |
| | Nickel | 8.84 | mg/kg | |
| | Zinc | 227 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.254 | mg/kg | |
| **SW-846 7471B** | Mercury | 0.323 | mg/kg | |
| **SW-846 8260B** | 1,1,1-Trichloroethane | 9.54 | ug/Kg | J |
| | Methylene chloride | 9.54 | ug/Kg | J |
| | Tetrachloroethene | 298 | ug/Kg | |
| **SW-846 8260B-SPLP** | Tetrachloroethene | 0.540 | ug/L | J |
| **SW-846 8270D** | Benzo(a)anthracene | 101 | ug/Kg | J |
| | Benzo(a)pyrene | 122 | ug/Kg | J |
| | Benzo(b)fluoranthene | 154 | ug/Kg | J |
| | Benzo(g,h,i)perylene | 98.0 | ug/Kg | J |
| | Benzo(k)fluoranthene | 66.5 | ug/Kg | J |
| | Chrysene | 119 | ug/Kg | J |
| | Fluoranthene | 164 | ug/Kg | J |
| | Indeno(1,2,3-cd)pyrene | 80.5 | ug/Kg | J |
| | Phenanthrene | 70.0 | ug/Kg | J |
| | Pyrene | 161 | ug/Kg | J |

Client Sample ID: **SB03 (0.5-1.5)**
Lab Sample ID: 31102150005-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Chromium | 1.88 | mg/kg | |
| | Copper | 4.79 | mg/kg | |
| | Lead | 62.7 | mg/kg | |
| | Manganese | 9.66 | mg/kg | |
| | Nickel | 0.471 | mg/kg | J |
| | Zinc | 103 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.0933 | mg/kg | J |
| **SW-846 7471B** | Mercury | 0.0942 | mg/kg | |
| **SW-846 8260B** | Acetone | 8.31 | ug/Kg | J |
| | Methylene chloride | 1.13 | ug/Kg | J |
| | Tetrachloroethene | 1.47 | ug/Kg | J |
| **SW-846 8260B-SPLP** | Tetrachloroethene | 0.160 | ug/L | J |



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## Detectable Results Summary

Client Sample ID: **SB03 (1.5-2.5)**
Lab Sample ID: 31102150006-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Chromium | 1.72 | mg/kg | |
| | Copper | 4.83 | mg/kg | |
| | Lead | 20.9 | mg/kg | |
| | Manganese | 11.0 | mg/kg | |
| | Nickel | 0.435 | mg/kg | J |
| | Zinc | 25.5 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.330 | mg/kg | |
| **SW-846 7471B** | Mercury | 0.0270 | mg/kg | |
| **SW-846 8260B** | Acetone | 6.02 | ug/Kg | J |
| | Methylene chloride | 2.33 | ug/Kg | J |
| | Tetrachloroethene | 2.28 | ug/Kg | J |

Client Sample ID: **SB04 (2.0-3.0)**
Lab Sample ID: 31102150007-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Silver | 0.460 | mg/kg | J |
| | Arsenic | 2.74 | mg/kg | |
| | Chromium | 11.2 | mg/kg | |
| | Copper | 95.4 | mg/kg | |
| | Lead | 577 | mg/kg | |
| | Manganese | 325 | mg/kg | |
| | Nickel | 3.89 | mg/kg | |
| | Selenium | 0.677 | mg/kg | J |
| | Zinc | 234 | mg/kg | |
| **SW-846 6020A** | Beryllium | 0.0484 | mg/kg | J |
| | Cadmium | 0.218 | mg/kg | |
| **SW-846 7471B** | Mercury | 2.69 | mg/kg | |
| **SW-846 8260B** | 2-Butanone | 16.0 | ug/Kg | J |
| | Acetone | 135 | ug/Kg | |
| | Tetrachloroethene | 3.96 | ug/Kg | J |
| **SW-846 8270D** | Benzo(a)anthracene | 51.9 | ug/Kg | J |
| | Benzo(a)pyrene | 59.9 | ug/Kg | J |
| | Benzo(b)fluoranthene | 71.9 | ug/Kg | J |
| | Chrysene | 59.9 | ug/Kg | J |
| | Fluoranthene | 75.9 | ug/Kg | J |
| | Phenanthrene | 39.9 | ug/Kg | J |
| | Pyrene | 79.9 | ug/Kg | J |



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## Detectable Results Summary

Client Sample ID: **SB05 (2.0-3.0)**
Lab Sample ID: 31102150008-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Silver | 0.131 | mg/kg | J |
| | Chromium | 2.23 | mg/kg | |
| | Copper | 5.35 | mg/kg | |
| | Lead | 121 | mg/kg | |
| | Manganese | 11.5 | mg/kg | |
| | Nickel | 0.403 | mg/kg | J |
| | Zinc | 306 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.0610 | mg/kg | J |
| **SW-846 7471B** | Mercury | 0.137 | mg/kg | |
| **SW-846 8260B** | Acetone | 5.34 | ug/Kg | J |
| | Methylene chloride | 2.59 | ug/Kg | J |
| | Tetrachloroethene | 29.5 | ug/Kg | |

Client Sample ID: **SB06 (2.0-3.0)**
Lab Sample ID: 31102150009-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Chromium | 0.409 | mg/kg | J |
| | Copper | 1.41 | mg/kg | |
| | Lead | 1.79 | mg/kg | |
| | Manganese | 1.66 | mg/kg | |
| | Zinc | 11.0 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.129 | mg/kg | |
| **SW-846 7471B** | Mercury | 0.00227 | mg/kg | J |
| **SW-846 8260B** | Methylene chloride | 9.77 | ug/Kg | J |
| | Tetrachloroethene | 51.1 | ug/Kg | |



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## Detectable Results Summary

Client Sample ID: **SB07 (1.0-1.5)**
Lab Sample ID: 31102150010-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Antimony | 0.768 | mg/kg | J |
| | Silver | 0.160 | mg/kg | J |
| | Arsenic | 2.29 | mg/kg | |
| | Chromium | 22.0 | mg/kg | |
| | Copper | 48.3 | mg/kg | |
| | Lead | 396 | mg/kg | |
| | Manganese | 46.2 | mg/kg | |
| | Nickel | 4.22 | mg/kg | |
| | Zinc | 405 | mg/kg | |
| **SW-846 6020A** | Cadmium | 1.27 | mg/kg | |
| **SW-846 7471B** | Mercury | 0.271 | mg/kg | |
| **SW-846 8260B** | 2-Butanone | 13.9 | ug/Kg | J |
| | Acetone | 89.3 | ug/Kg | |
| | Benzene | 3.03 | ug/Kg | J |
| | Ethyl Benzene | 1.35 | ug/Kg | J |
| | Methyl iodide | 1.22 | ug/Kg | J |
| | Methylene chloride | 4.96 | ug/Kg | J |
| | Naphthalene | 1.58 | ug/Kg | J |
| | Tetrachloroethene | 5.08 | ug/Kg | J |
| | Toluene | 3.21 | ug/Kg | J |
| | m,p-Xylene | 8.14 | ug/Kg | J |
| | o-Xylene | 1.78 | ug/Kg | J |
| **SW-846 8270D** | 2-Methylnaphthalene | 59.9 | ug/Kg | J |
| | Benzo(a)anthracene | 31.7 | ug/Kg | J |
| | Benzo(a)pyrene | 31.7 | ug/Kg | J |
| | Chrysene | 42.3 | ug/Kg | J |
| | Di-n-butyl phthalate | 35.2 | ug/Kg | J |
| | Fluoranthene | 49.3 | ug/Kg | J |
| | Naphthalene | 52.8 | ug/Kg | J |
| | Phenanthrene | 35.2 | ug/Kg | J |
| | Pyrene | 63.4 | ug/Kg | J |



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## Detectable Results Summary

Client Sample ID: **SB08 (2.0-3.0)**
Lab Sample ID: 31102150011-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Arsenic | 1.45 | mg/kg | |
| | Chromium | 3.50 | mg/kg | |
| | Copper | 12.5 | mg/kg | |
| | Lead | 105 | mg/kg | |
| | Manganese | 36.6 | mg/kg | |
| | Nickel | 1.14 | mg/kg | |
| | Zinc | 74.6 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.0752 | mg/kg | J |
| **SW-846 7471B** | Mercury | 0.385 | mg/kg | |
| **SW-846 8260B** | 2-Butanone | 2.85 | ug/Kg | J |
| | Acetone | 22.5 | ug/Kg | J |
| | Benzene | 0.927 | ug/Kg | J |
| | Methylene chloride | 2.88 | ug/Kg | J |
| | Tetrachloroethene | 7.32 | ug/Kg | |
| | Toluene | 0.946 | ug/Kg | J |
| **SW-846 8270D** | 2-Methylnaphthalene | 29.7 | ug/Kg | J |
| | Acenaphthene | 29.7 | ug/Kg | J |
| | Acenaphthylene | 162 | ug/Kg | J |
| | Anthracene | 126 | ug/Kg | J |
| | Benzo(a)anthracene | 968 | ug/Kg | |
| | Benzo(a)pyrene | 839 | ug/Kg | |
| | Benzo(b)fluoranthene | 1250 | ug/Kg | |
| | Benzo(g,h,i)perylene | 373 | ug/Kg | |
| | Benzo(k)fluoranthene | 429 | ug/Kg | |
| | Chrysene | 1040 | ug/Kg | |
| | Dibenz(a,h)anthracene | 116 | ug/Kg | J |
| | Fluoranthene | 1590 | ug/Kg | |
| | Fluorene | 39.6 | ug/Kg | J |
| | Indeno(1,2,3-cd)pyrene | 367 | ug/Kg | |
| | Naphthalene | 33.0 | ug/Kg | J |
| | Phenanthrene | 697 | ug/Kg | |
| | Pyrene | 1800 | ug/Kg | |



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## Detectable Results Summary

Client Sample ID: **SB09 (2.0-3.0)**
Lab Sample ID: 31102150012-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Silver | 0.187 | mg/kg | J |
| | Arsenic | 0.479 | mg/kg | J |
| | Chromium | 3.90 | mg/kg | |
| | Copper | 18.8 | mg/kg | |
| | Lead | 194 | mg/kg | |
| | Manganese | 88.8 | mg/kg | |
| | Nickel | 1.29 | mg/kg | |
| | Zinc | 102 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.144 | mg/kg | |
| **SW-846 7471B** | Mercury | 0.493 | mg/kg | |
| **SW-846 8260B** | Methylene chloride | 11.6 | ug/Kg | J |
| | Tetrachloroethene | 267 | ug/Kg | |
| **SW-846 8270D** | Benzo(a)anthracene | 87.2 | ug/Kg | J |
| | Benzo(a)pyrene | 94.1 | ug/Kg | J |
| | Benzo(b)fluoranthene | 136 | ug/Kg | J |
| | Benzo(k)fluoranthene | 73.2 | ug/Kg | J |
| | Chrysene | 101 | ug/Kg | J |
| | Fluoranthene | 185 | ug/Kg | J |
| | Indeno(1,2,3-cd)pyrene | 45.3 | ug/Kg | J |
| | Phenanthrene | 108 | ug/Kg | J |
| | Pyrene | 167 | ug/Kg | J |

Client Sample ID: **SB10 (2.0-3.0)**
Lab Sample ID: 31102150013-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Silver | 0.236 | mg/kg | J |
| | Chromium | 2.74 | mg/kg | |
| | Copper | 12.6 | mg/kg | |
| | Lead | 163 | mg/kg | |
| | Manganese | 68.0 | mg/kg | |
| | Nickel | 0.747 | mg/kg | J |
| | Zinc | 72.8 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.0697 | mg/kg | J |
| **SW-846 7471B** | Mercury | 0.603 | mg/kg | |
| **SW-846 8260B** | 1,2,4-Trimethylbenzene | 6.52 | ug/Kg | J |
| | 2-Butanone | 82.7 | ug/Kg | J |
| | Methylene chloride | 10.0 | ug/Kg | J |
| | Naphthalene | 11.0 | ug/Kg | J |
| | Tetrachloroethene | 632 | ug/Kg | |
| **SW-846 8270D** | Benzo(a)anthracene | 43.4 | ug/Kg | J |
| | Benzo(a)pyrene | 70.2 | ug/Kg | J |
| | Benzo(b)fluoranthene | 104 | ug/Kg | J |
| | Benzo(k)fluoranthene | 46.8 | ug/Kg | J |
| | Chrysene | 76.8 | ug/Kg | J |
| | Fluoranthene | 144 | ug/Kg | J |
| | Indeno(1,2,3-cd)pyrene | 40.1 | ug/Kg | J |
| | Phenanthrene | 93.6 | ug/Kg | J |
| | Pyrene | 140 | ug/Kg | J |



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## Detectable Results Summary

Client Sample ID: **SB11 (2.0-3.0)**
Lab Sample ID: 31102150014-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Silver | 0.229 | mg/kg | J |
| | Arsenic | 0.488 | mg/kg | J |
| | Chromium | 25.1 | mg/kg | |
| | Copper | 29.8 | mg/kg | |
| | Lead | 445 | mg/kg | |
| | Manganese | 95.3 | mg/kg | |
| | Nickel | 1.29 | mg/kg | |
| | Zinc | 145 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.153 | mg/kg | |
| **SW-846 7471B** | Mercury | 0.786 | mg/kg | |
| **SW-846 8260B** | 2-Butanone | 2.85 | ug/Kg | J |
| | Acetone | 71.6 | ug/Kg | |
| | Benzene | 1.62 | ug/Kg | J |
| | Methylene chloride | 4.72 | ug/Kg | J |
| | Tetrachloroethene | 8.90 | ug/Kg | |
| | Toluene | 1.68 | ug/Kg | J |
| **SW-846 8270D** | Benzo(a)anthracene | 44.4 | ug/Kg | J |
| | Benzo(a)pyrene | 54.7 | ug/Kg | J |
| | Benzo(b)fluoranthene | 82.0 | ug/Kg | J |
| | Chrysene | 54.7 | ug/Kg | J |
| | Fluoranthene | 92.2 | ug/Kg | J |
| | Indeno(1,2,3-cd)pyrene | 27.3 | ug/Kg | J |
| | Phenanthrene | 44.4 | ug/Kg | J |
| | Pyrene | 85.4 | ug/Kg | J |

Client Sample ID: **SB11D (2.0-3.0)**
Lab Sample ID: 31102150015-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Silver | 0.214 | mg/kg | J |
| | Chromium | 11.0 | mg/kg | |
| | Copper | 25.9 | mg/kg | |
| | Lead | 257 | mg/kg | |
| | Manganese | 87.5 | mg/kg | |
| | Nickel | 0.820 | mg/kg | J |
| | Zinc | 111 | mg/kg | |
| **SW-846 6020A** | Cadmium | 0.110 | mg/kg | |
| **SW-846 7471B** | Mercury | 0.644 | mg/kg | |
| **SW-846 8260B** | 2-Butanone | 2.15 | ug/Kg | J |
| | Acetone | 48.6 | ug/Kg | |
| | Benzene | 1.19 | ug/Kg | J |
| | Methylene chloride | 5.57 | ug/Kg | J |
| | Tetrachloroethene | 8.46 | ug/Kg | |
| | Toluene | 1.34 | ug/Kg | J |
| **SW-846 8270D** | Benzo(a)anthracene | 43.6 | ug/Kg | J |
| | Benzo(a)pyrene | 53.7 | ug/Kg | J |
| | Benzo(b)fluoranthene | 80.5 | ug/Kg | J |
| | Chrysene | 50.3 | ug/Kg | J |
| | Fluoranthene | 83.9 | ug/Kg | J |
| | Phenanthrene | 33.5 | ug/Kg | J |
| | Pyrene | 87.2 | ug/Kg | J |



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## Detectable Results Summary

Client Sample ID: **SB12 (2.0-3.0)**
Lab Sample ID: 31102150016-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Chromium | 0.982 | mg/kg | J |
| | Copper | 5.53 | mg/kg | |
| | Lead | 29.2 | mg/kg | |
| | Manganese | 28.5 | mg/kg | |
| | Nickel | 0.582 | mg/kg | J |
| | Selenium | 0.430 | mg/kg | J |
| | Zinc | 8.46 | mg/kg | |
| **SW-846 7471B** | Mercury | 0.107 | mg/kg | |
| **SW-846 8260B** | Acetone | 27.0 | ug/Kg | J |
| | Methylene chloride | 4.00 | ug/Kg | J |
| | Tetrachloroethene | 9.08 | ug/Kg | |

Client Sample ID: **SB13 (2.0-3.0)**
Lab Sample ID: 31102150017-E

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Chromium | 2.41 | mg/kg | |
| | Copper | 14.9 | mg/kg | |
| | Lead | 40.5 | mg/kg | |
| | Manganese | 23.8 | mg/kg | |
| | Nickel | 0.826 | mg/kg | J |
| | Zinc | 41.7 | mg/kg | |
| **SW-846 7471B** | Mercury | 0.165 | mg/kg | |
| **SW-846 8260B** | 4-Isopropyltoluene | 743 | ug/Kg | |
| | Methylene chloride | 10.8 | ug/Kg | J |
| | Tetrachloroethene | 21.6 | ug/Kg | J |
| **SW-846 8270D** | Benzo(a)anthracene | 71.9 | ug/Kg | J |
| | Benzo(a)pyrene | 80.4 | ug/Kg | J |
| | Benzo(b)fluoranthene | 114 | ug/Kg | J |
| | Chrysene | 71.9 | ug/Kg | J |
| | Fluoranthene | 118 | ug/Kg | J |
| | Indeno(1,2,3-cd)pyrene | 38.1 | ug/Kg | J |
| | Pyrene | 127 | ug/Kg | J |

Client Sample ID: **Trip Blank**
Lab Sample ID: 31102150018-A

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 8260B** | Methylene chloride | 2.64 | ug/Kg | J |

**Quality Control Samples**

Client Sample ID: **MB for HBN 10230 [MXX/1436]**
Lab Sample ID: 35573

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C** | Copper | 0.111 | mg/kg | J |
| **SW-846 6020A** | Beryllium | 0.00700 | mg/kg | J |

Client Sample ID: **MB-S for HBN 10328 [VXX/1943]**
Lab Sample ID: 36058

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 8260B** | Methylene chloride | 1.00 | ug/Kg | J |

Client Sample ID: **MB-S for HBN 10342 [VXX/1947]**
Lab Sample ID: 36105

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 8260B** | Methylene chloride | 1.39 | ug/Kg | J |



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Results of **SB01 (1.0-2.0)**

Client Sample ID: **SB01 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150001-A
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 84.40

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.19 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,1,1-Trichloroethane | ND | U | 0.877 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.27 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,1,2-Trichloroethane | ND | U | 1.17 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,1-Dichloroethane | ND | U | 0.972 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,1-Dichloroethene | ND | U | 1.02 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,1-Dichloropropene | ND | U | 1.04 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,2,3-Trichlorobenzene | ND | U | 1.57 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,2,3-Trichloropropane | ND | U | 1.25 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,2,4-Trichlorobenzene | ND | U | 1.34 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,2,4-Trimethylbenzene | ND | U | 1.21 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,2-Dibromo-3-chloropropane | ND | U | 6.55 | 33.8 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,2-Dibromoethane | ND | U | 0.854 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,2-Dichlorobenzene | ND | U | 1.45 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,2-Dichloroethane | ND | U | 0.998 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,2-Dichloropropane | ND | U | 0.907 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,3,5-Trimethylbenzene | ND | U | 1.11 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,3-Dichlorobenzene | ND | U | 1.31 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,3-Dichloropropane | ND | U | 0.908 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 1,4-Dichlorobenzene | ND | U | 1.24 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 2,2-Dichloropropane | ND | U | 0.940 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 2-Butanone | **2.55** | J | 1.76 | 28.2 | ug/Kg | 1 | 08/16/2011 23:11 |
| 2-Chlorotoluene | ND | U | 1.26 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 2-Hexanone | ND | U | 2.20 | 14.1 | ug/Kg | 1 | 08/16/2011 23:11 |
| 4-Chlorotoluene | ND | U | 1.25 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 4-Isopropyltoluene | ND | U | 1.17 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| 4-Methyl-2-pentanone | ND | U | 3.62 | 14.1 | ug/Kg | 1 | 08/16/2011 23:11 |
| Acetone | **32.9** | J | 1.40 | 56.3 | ug/Kg | 1 | 08/16/2011 23:11 |
| Benzene | ND | U | 1.01 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Bromobenzene | ND | U | 1.11 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Bromochloromethane | ND | U | 0.984 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Bromodichloromethane | ND | U | 0.916 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Bromoform | ND | U | 0.754 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Bromomethane | ND | U | 1.98 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| n-Butylbenzene | ND | U | 1.22 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Carbon disulfide | ND | U | 0.973 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Carbon tetrachloride | ND | U | 0.980 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Chlorobenzene | ND | U | 0.872 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Chloroethane | ND | U | 0.518 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Chloroform | ND | U | 0.915 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Chloromethane | ND | U | 0.817 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Dibromochloromethane | ND | U | 0.954 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Dibromomethane | ND | U | 0.915 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |



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## Results of **SB01 (1.0-2.0)**

Client Sample ID: **SB01 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150001-A
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 84.40

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.819 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| cis-1,3-Dichloropropene | ND | U | 0.970 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| trans-1,3-Dichloropropene | ND | U | 1.01 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Diisopropyl Ether | ND | U | 1.01 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Ethyl Benzene | ND | U | 0.932 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Hexachlorobutadiene | ND | U | 1.54 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Isopropylbenzene (Cumene) | ND | U | 1.08 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Methyl iodide | ND | U | 0.953 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Methylene chloride | **2.42** | J | 0.786 | 22.5 | ug/Kg | 1 | 08/16/2011 23:11 |
| Naphthalene | ND | U | 1.36 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Styrene | ND | U | 1.11 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Tetrachloroethene | **43.4** | | 0.847 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Toluene | **1.16** | J | 0.913 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Trichloroethene | ND | U | 0.943 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Trichlorofluoromethane | ND | U | 0.850 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| Vinyl chloride | ND | U | 0.829 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| cis-1,2-Dichloroethene | ND | U | 0.873 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| m,p-Xylene | ND | U | 1.99 | 11.3 | ug/Kg | 1 | 08/16/2011 23:11 |
| n-Propylbenzene | ND | U | 1.10 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| o-Xylene | ND | U | 1.14 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| sec-Butylbenzene | ND | U | 1.17 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.960 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| tert-Butylbenzene | ND | U | 1.02 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| trans-1,2-Dichloroethene | ND | U | 0.970 | 5.63 | ug/Kg | 1 | 08/16/2011 23:11 |
| trans-1,4-Dichloro-2-butene | ND | U | 6.10 | 28.2 | ug/Kg | 1 | 08/16/2011 23:11 |
| Unknown | **30.8** | TIC | | | ug/Kg | 1 | 08/16/2011 23:11 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 131 | | | 55.0-173 | % | 1 | 08/16/2011 23:11 |
| 4-Bromofluorobenzene | 64.0 | | | 23.0-141 | % | 1 | 08/16/2011 23:11 |
| Toluene d8 | 88.0 | | | 57.0-134 | % | 1 | 08/16/2011 23:11 |

## Batch Information

Analytical Batch: **VMS1462**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **08/16/2011 23:11**

Prep Batch: **VXX1935**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/16/2011 08:00**
Prep Initial Wt./Vol.: **5.26 g**
Prep Extract Vol: **5 mL**



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## Results of **SB01 (1.0-2.0)**

Client Sample ID: **SB01 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150001-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 84.40

## Results by **SW-846 8260B-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tetrachloroethene | **0.230** | J | 0.155 | 1.00 | ug/L | 1 | 08/19/2011 12:41 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 101 | | | 64.0-140 | % | 1 | 08/19/2011 12:41 |
| 4-Bromofluorobenzene | 101 | | | 85.0-115 | % | 1 | 08/19/2011 12:41 |
| Toluene d8 | 101 | | | 82.0-117 | % | 1 | 08/19/2011 12:41 |

## Batch Information

Analytical Batch: **VMS1473**
Analytical Method: **SW-846 8260B-SPLP**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **08/19/2011 12:41**

Prep Batch: **VXX1948**
Prep Method: **SW-846 5030B**
Prep Date/Time: **08/19/2011 09:15**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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Results of **SB01 (1.0-2.0)**

Client Sample ID: **SB01 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150001-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 84.40

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 31.9 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 1,2-Dichlorobenzene | ND | U | 18.0 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 1,3-Dichlorobenzene | ND | U | 24.4 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 1,4-Dichlorobenzene | ND | U | 25.5 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2,4,5-Trichlorophenol | ND | U | 24.1 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2,4,6-Trichlorophenol | ND | U | 24.5 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2,4-Dichlorophenol | ND | U | 20.9 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2,4-Dinitrophenol | ND | U | 33.5 | 721 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2,4-Dinitrotoluene | ND | U | 18.2 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2,6-Dinitrotoluene | ND | U | 25.9 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2-Chloronaphthalene | ND | U | 21.2 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2-Chlorophenol | ND | U | 19.2 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2-Methylnaphthalene | **97.3** | J | 29.2 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2-Methylphenol | ND | U | 20.0 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2-Nitroaniline | ND | U | 23.8 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2-Nitrophenol | ND | U | 17.3 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 3 and/or 4-Methylphenol | ND | U | 23.4 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 3,3'-Dichlorobenzidine | ND | U | 17.3 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 3-Nitroaniline | ND | U | 16.3 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 4,6-Dinitro-2-methylphenol | ND | U | 17.0 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 4-Chloro-3-methylphenol | ND | U | 18.0 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 4-Chloroaniline | ND | U | 28.9 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 4-Chlorophenyl phenyl ether | ND | U | 38.6 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Acenaphthene | **32.4** | J | 16.4 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Acenaphthylene | **104** | J | 15.2 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Anthracene | **68.4** | J | 16.0 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Benzo(a)anthracene | **364** | | 19.9 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Benzo(a)pyrene | **537** | | 20.4 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Benzo(b)fluoranthene | **937** | | 20.8 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Benzo(g,h,i)perylene | **461** | | 57.5 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Benzo(k)fluoranthene | **281** | J | 43.3 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Benzoic acid | ND | U | 8.01 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Bis(2-Chloroethoxy)methane | ND | U | 16.3 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Bis(2-Chloroethyl)ether | ND | U | 33.7 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Bis(2-Chloroisopropyl)ether | ND | U | 31.5 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 17.3 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 4-Bromophenyl phenyl ether | ND | U | 23.8 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Butyl benzyl phthalate | ND | U | 31.4 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Chrysene | **793** | | 42.0 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Di-n-butyl phthalate | ND | U | 17.1 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Di-n-octyl phthalate | ND | U | 20.0 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Dibenz(a,h)anthracene | **93.7** | J | 16.3 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Dibenzofuran | **162** | J | 28.3 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |



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Results of **SB01 (1.0-2.0)**

Client Sample ID: **SB01 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150001-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 84.40

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 19.5 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Dimethyl phthalate | ND | U | 27.7 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 2,4-Dimethylphenol | ND | U | 26.4 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Diphenylamine | ND | U | 16.3 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Fluoranthene | **1960** | | 33.9 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Fluorene | **112** | J | 19.2 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Hexachlorobenzene | ND | U | 34.2 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Hexachlorobutadiene | ND | U | 21.6 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Hexachlorocyclopentadiene | ND | U | 109 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Hexachloroethane | ND | U | 20.8 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Indeno(1,2,3-cd)pyrene | **400** | | 28.2 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Isophorone | ND | U | 16.4 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Naphthalene | **173** | J | 31.2 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 4-Nitroaniline | ND | U | 20.8 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Nitrobenzene | ND | U | 20.8 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| 4-Nitrophenol | ND | U | 35.6 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Pentachlorophenol | ND | U | 28.9 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Phenanthrene | **2240** | | 23.8 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Phenol | ND | U | 33.7 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Pyrene | **1750** | | 15.2 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| n-Nitrosodi-n-propylamine | ND | U | 103 | 361 | ug/Kg | 1 | 08/21/2011 14:02 |
| Unknown | **1260** | TIC | | | ug/Kg | 1 | 08/21/2011 14:02 |
| 9H-Fluoren-9-one | **311** | TIC | | | ug/Kg | 1 | 08/21/2011 14:02 |
| Anthracene, 2-methyl- | **307** | TIC | | | ug/Kg | 1 | 08/21/2011 14:02 |
| Anthracene, 1-methyl- | **329** | TIC | | | ug/Kg | 1 | 08/21/2011 14:02 |
| 9,10-Anthracenedione | **700** | TIC | | | ug/Kg | 1 | 08/21/2011 14:02 |
| Cyclopenta(def)phenanthrenone | **287** | TIC | | | ug/Kg | 1 | 08/21/2011 14:02 |
| Unknown | **363** | TIC | | | ug/Kg | 1 | 08/21/2011 14:02 |
| Benzo (e) pyrene | **517** | TIC | | | ug/Kg | 1 | 08/21/2011 14:02 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 60.0 | | | 41.0-129 | % | 1 | 08/21/2011 14:02 |
| 2-Fluorobiphenyl | 68.0 | | | 48.0-123 | % | 1 | 08/21/2011 14:02 |
| 2-Fluorophenol | 75.0 | | | 42.0-123 | % | 1 | 08/21/2011 14:02 |
| Nitrobenzene-d5 | 80.0 | | | 46.0-117 | % | 1 | 08/21/2011 14:02 |
| Phenol-d6 | 75.0 | | | 48.0-125 | % | 1 | 08/21/2011 14:02 |
| Terphenyl-d14 | 68.0 | | | 44.0-140 | % | 1 | 08/21/2011 14:02 |



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## Results of **SB01 (1.0-2.0)**

Client Sample ID: **SB01 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150001-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 84.40

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|

### Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 14:02**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 14:59**
Prep Initial Wt./Vol.: **32.86 g**
Prep Extract Vol: **10 mL**



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## Results of **SB01 (1.0-2.0)**

Client Sample ID: **SB01 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150001-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 84.40

## Results by **SW-846 8270D-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| 2-Methylnaphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Acenaphthene | ND | U | 2.06 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Acenaphthylene | ND | U | 2.00 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Anthracene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Benzo(a)anthracene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Benzo(a)pyrene | ND | U | 1.86 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Benzo(b)fluoranthene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Benzo(g,h,i)perylene | ND | U | 2.15 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Benzo(k)fluoranthene | ND | U | 2.31 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Chrysene | ND | U | 2.20 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Dibenz(a,h)anthracene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Fluoranthene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Fluorene | ND | U | 2.44 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Naphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Phenanthrene | ND | U | 1.99 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| Pyrene | ND | U | 2.01 | 5.00 | ug/L | 1 | 08/20/2011 22:24 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 102 | | | 29.3-152 | % | 1 | 08/20/2011 22:24 |
| 2-Fluorobiphenyl | 93.0 | | | 50.0-107 | % | 1 | 08/20/2011 22:24 |
| 2-Fluorophenol | 92.7 | | | 33.1-118 | % | 1 | 08/20/2011 22:24 |
| Nitrobenzene-d5 | 103 | | | 46.0-118 | % | 1 | 08/20/2011 22:24 |
| Phenol-d6 | 96.7 | | | 49.0-120 | % | 1 | 08/20/2011 22:24 |
| Terphenyl-d14 | 98.8 | | | 22.1-142 | % | 1 | 08/20/2011 22:24 |

## Batch Information

Analytical Batch: **XMS1208**
Analytical Method: **SW-846 8270D-SPLP**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/20/2011 22:24**

Prep Batch: **XXX1675**
Prep Method: **SW-846 3520C**
Prep Date/Time: **08/18/2011 17:15**
Prep Initial Wt./Vol.: **100 mL**
Prep Extract Vol: **5 mL**



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## Results of **SB01 (1.0-2.0)**

Client Sample ID: **SB01 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150001-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 84.40

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.549 | 4.39 | mg/kg | 1 | 08/16/2011 15:05 |
| Silver | **0.213** | J | 0.123 | 1.10 | mg/kg | 1 | 08/16/2011 15:05 |
| Arsenic | ND | U | 0.401 | 1.10 | mg/kg | 1 | 08/16/2011 15:05 |
| Chromium | **2.64** | | 0.263 | 1.10 | mg/kg | 1 | 08/16/2011 15:05 |
| Copper | **15.9** | | 0.0888 | 1.10 | mg/kg | 1 | 08/16/2011 15:05 |
| Lead | **162** | | 8.75 | 11.0 | mg/kg | 10 | 08/17/2011 10:52 |
| Manganese | **86.7** | | 0.418 | 1.10 | mg/kg | 1 | 08/16/2011 15:05 |
| Nickel | **1.12** | | 0.423 | 1.10 | mg/kg | 1 | 08/16/2011 15:05 |
| Selenium | ND | U | 0.426 | 2.19 | mg/kg | 1 | 08/16/2011 15:05 |
| Zinc | **69.2** | | 1.23 | 2.19 | mg/kg | 1 | 08/16/2011 15:05 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 15:05**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 10:52**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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## Results of **SB01 (1.0-2.0)**

Client Sample ID: **SB01 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150001-H
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 84.40

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.195** | | 0.000988 | 0.0219 | mg/kg | 1 | 08/16/2011 15:58 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 15:58**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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## Results of **SB01 (1.0-2.0)**

Client Sample ID: **SB01 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150001-H
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 84.40

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0195 | 0.110 | mg/kg | 10 | 08/19/2011 11:52 |
| Cadmium | **0.0439** | J | 0.0195 | 0.110 | mg/kg | 10 | 08/19/2011 11:52 |
| Thallium | ND | U | 0.0269 | 0.110 | mg/kg | 10 | 08/19/2011 11:52 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 11:52**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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Results of **SB01 (2.0-3.0)**

Client Sample ID: **SB01 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150002-B
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 0.994 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,1,1-Trichloroethane | ND | U | 0.729 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.06 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,1,2-Trichloroethane | ND | U | 0.975 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,1-Dichloroethane | ND | U | 0.809 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,1-Dichloroethene | ND | U | 0.847 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,1-Dichloropropene | ND | U | 0.864 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,2,3-Trichlorobenzene | ND | U | 1.30 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,2,3-Trichloropropane | ND | U | 1.04 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,2,4-Trichlorobenzene | ND | U | 1.12 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,2,4-Trimethylbenzene | ND | U | 1.00 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.45 | 28.1 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,2-Dibromoethane | ND | U | 0.711 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,2-Dichlorobenzene | ND | U | 1.21 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,2-Dichloroethane | ND | U | 0.831 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,2-Dichloropropane | ND | U | 0.755 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,3,5-Trimethylbenzene | ND | U | 0.923 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,3-Dichlorobenzene | ND | U | 1.09 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,3-Dichloropropane | ND | U | 0.756 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 1,4-Dichlorobenzene | ND | U | 1.03 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 2,2-Dichloropropane | ND | U | 0.782 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 2-Butanone | **4.37** | J | 1.46 | 23.4 | ug/Kg | 1 | 08/18/2011 17:56 |
| 2-Chlorotoluene | ND | U | 1.05 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 2-Hexanone | ND | U | 1.83 | 11.7 | ug/Kg | 1 | 08/18/2011 17:56 |
| 4-Chlorotoluene | ND | U | 1.04 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 4-Isopropyltoluene | ND | U | 0.975 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| 4-Methyl-2-pentanone | ND | U | 3.01 | 11.7 | ug/Kg | 1 | 08/18/2011 17:56 |
| Acetone | **57.0** | | 1.16 | 46.9 | ug/Kg | 1 | 08/18/2011 17:56 |
| Benzene | **3.13** | J | 0.837 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Bromobenzene | ND | U | 0.924 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Bromochloromethane | ND | U | 0.818 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Bromodichloromethane | ND | U | 0.762 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Bromoform | ND | U | 0.627 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Bromomethane | ND | U | 1.65 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| n-Butylbenzene | ND | U | 1.01 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Carbon disulfide | ND | U | 0.810 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Carbon tetrachloride | ND | U | 0.816 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Chlorobenzene | ND | U | 0.726 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Chloroethane | ND | U | 0.431 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Chloroform | ND | U | 0.761 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Chloromethane | ND | U | 0.680 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Dibromochloromethane | ND | U | 0.794 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Dibromomethane | ND | U | 0.761 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |



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## Results of **SB01 (2.0-3.0)**

Client Sample ID: **SB01 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150002-B
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.682 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| cis-1,3-Dichloropropene | ND | U | 0.807 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| trans-1,3-Dichloropropene | ND | U | 0.840 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Diisopropyl Ether | ND | U | 0.842 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Ethyl Benzene | ND | U | 0.775 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Hexachlorobutadiene | ND | U | 1.28 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Isopropylbenzene (Cumene) | ND | U | 0.903 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Methyl iodide | ND | U | 0.793 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Methylene chloride | **5.28** | J | 0.654 | 18.8 | ug/Kg | 1 | 08/18/2011 17:56 |
| Naphthalene | ND | U | 1.13 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Styrene | ND | U | 0.924 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Tetrachloroethene | **27.9** | | 0.705 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Toluene | **1.71** | J | 0.759 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Trichloroethene | ND | U | 0.785 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Trichlorofluoromethane | ND | U | 0.707 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| Vinyl chloride | ND | U | 0.690 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| cis-1,2-Dichloroethene | ND | U | 0.727 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| m,p-Xylene | ND | U | 1.66 | 9.38 | ug/Kg | 1 | 08/18/2011 17:56 |
| n-Propylbenzene | ND | U | 0.914 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| o-Xylene | ND | U | 0.947 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| sec-Butylbenzene | ND | U | 0.975 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.799 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| tert-Butylbenzene | ND | U | 0.849 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| trans-1,2-Dichloroethene | ND | U | 0.807 | 4.69 | ug/Kg | 1 | 08/18/2011 17:56 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.07 | 23.4 | ug/Kg | 1 | 08/18/2011 17:56 |
| Unknown | **7.97** | TIC | | | ug/Kg | 1 | 08/18/2011 17:56 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 125 | | | 55.0-173 | % | 1 | 08/18/2011 17:56 |
| 4-Bromofluorobenzene | 74.0 | | | 23.0-141 | % | 1 | 08/18/2011 17:56 |
| Toluene d8 | 89.0 | | | 57.0-134 | % | 1 | 08/18/2011 17:56 |

## Batch Information

Analytical Batch: **VMS1467**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **08/18/2011 17:56**

Prep Batch: **VXX1943**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/18/2011 08:00**
Prep Initial Wt./Vol.: **6.01 g**
Prep Extract Vol: **5 mL**



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## Results of **SB01 (2.0-3.0)**

Client Sample ID: **SB01 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150002-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 8260B-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tetrachloroethene | **0.170** | J | 0.155 | 1.00 | ug/L | 1 | 08/19/2011 15:34 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 104 | | | 64.0-140 | % | 1 | 08/19/2011 15:34 |
| 4-Bromofluorobenzene | 100 | | | 85.0-115 | % | 1 | 08/19/2011 15:34 |
| Toluene d8 | 102 | | | 82.0-117 | % | 1 | 08/19/2011 15:34 |

## Batch Information

Analytical Batch: **VMS1473**
Analytical Method: **SW-846 8260B-SPLP**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **08/19/2011 15:34**

Prep Batch: **VXX1948**
Prep Method: **SW-846 5030B**
Prep Date/Time: **08/19/2011 09:15**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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Results of **SB01 (2.0-3.0)**

Client Sample ID: **SB01 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150002-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 30.9 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 1,2-Dichlorobenzene | ND | U | 17.4 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 1,3-Dichlorobenzene | ND | U | 23.6 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 1,4-Dichlorobenzene | ND | U | 24.7 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2,4,5-Trichlorophenol | ND | U | 23.4 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2,4,6-Trichlorophenol | ND | U | 23.7 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2,4-Dichlorophenol | ND | U | 20.2 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2,4-Dinitrophenol | ND | U | 32.4 | 699 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2,4-Dinitrotoluene | ND | U | 17.7 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2,6-Dinitrotoluene | ND | U | 25.1 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2-Chloronaphthalene | ND | U | 20.6 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2-Chlorophenol | ND | U | 18.6 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2-Methylnaphthalene | ND | U | 28.3 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2-Methylphenol | ND | U | 19.3 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2-Nitroaniline | ND | U | 23.0 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2-Nitrophenol | ND | U | 16.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 3 and/or 4-Methylphenol | ND | U | 22.7 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 3,3'-Dichlorobenzidine | ND | U | 16.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 3-Nitroaniline | ND | U | 15.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 4,6-Dinitro-2-methylphenol | ND | U | 16.4 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 4-Chloro-3-methylphenol | ND | U | 17.4 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 4-Chloroaniline | ND | U | 28.0 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 4-Chlorophenyl phenyl ether | ND | U | 37.4 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Acenaphthene | ND | U | 15.9 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Acenaphthylene | **59.3** | J | 14.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Anthracene | ND | U | 15.5 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Benzo(a)anthracene | **133** | J | 19.2 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Benzo(a)pyrene | **255** | J | 19.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Benzo(b)fluoranthene | **513** | | 20.1 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Benzo(g,h,i)perylene | **283** | J | 55.7 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Benzo(k)fluoranthene | **202** | J | 41.9 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Benzoic acid | ND | U | 7.76 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Bis(2-Chloroethoxy)methane | ND | U | 15.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Bis(2-Chloroethyl)ether | ND | U | 32.7 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Bis(2-Chloroisopropyl)ether | ND | U | 30.5 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 16.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 4-Bromophenyl phenyl ether | ND | U | 23.0 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Butyl benzyl phthalate | ND | U | 30.4 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Chrysene | **450** | | 40.7 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Di-n-butyl phthalate | ND | U | 16.6 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Di-n-octyl phthalate | ND | U | 19.3 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Dibenz(a,h)anthracene | **38.4** | J | 15.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Dibenzofuran | **38.4** | J | 27.4 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |

Print Date: 01/06/2012

N.C. Certification # 481

Results of **SB01 (2.0-3.0)**

Client Sample ID: **SB01 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150002-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 18.9 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Dimethyl phthalate | ND | U | 26.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 2,4-Dimethylphenol | ND | U | 25.6 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Diphenylamine | ND | U | 15.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Fluoranthene | **908** | | 32.9 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Fluorene | ND | U | 18.6 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Hexachlorobenzene | ND | U | 33.1 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Hexachlorobutadiene | ND | U | 20.9 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Hexachlorocyclopentadiene | ND | U | 106 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Hexachloroethane | ND | U | 20.1 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Indeno(1,2,3-cd)pyrene | **234** | J | 27.3 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Isophorone | ND | U | 15.9 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Naphthalene | ND | U | 30.2 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 4-Nitroaniline | ND | U | 20.1 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Nitrobenzene | ND | U | 20.1 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 4-Nitrophenol | ND | U | 34.4 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Pentachlorophenol | ND | U | 28.0 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Phenanthrene | **775** | | 23.0 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Phenol | ND | U | 32.7 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| Pyrene | **775** | | 14.8 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| n-Nitrosodi-n-propylamine | ND | U | 100 | 350 | ug/Kg | 1 | 08/21/2011 14:26 |
| 9,10-Anthracenedione | **275** | TIC | | | ug/Kg | 1 | 08/21/2011 14:26 |
| Unknown | **746** | TIC | | | ug/Kg | 1 | 08/21/2011 14:26 |
| Benzo[e]pyrene | **304** | TIC | | | ug/Kg | 1 | 08/21/2011 14:26 |
| Benzo[e]acephenanthrylene | **282** | TIC | | | ug/Kg | 1 | 08/21/2011 14:26 |
| Dibenzo[def, mno]chrysene | **292** | TIC | | | ug/Kg | 1 | 08/21/2011 14:26 |
| Unknown | **504** | TIC | | | ug/Kg | 1 | 08/21/2011 14:26 |
| Benzo[ghi]perylene | **423** | TIC | | | ug/Kg | 1 | 08/21/2011 14:26 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 60.0 | | | 41.0-129 | % | 1 | 08/21/2011 14:26 |
| 2-Fluorobiphenyl | 66.0 | | | 48.0-123 | % | 1 | 08/21/2011 14:26 |
| 2-Fluorophenol | 70.0 | | | 42.0-123 | % | 1 | 08/21/2011 14:26 |
| Nitrobenzene-d5 | 73.0 | | | 46.0-117 | % | 1 | 08/21/2011 14:26 |
| Phenol-d6 | 71.0 | | | 48.0-125 | % | 1 | 08/21/2011 14:26 |
| Terphenyl-d14 | 66.0 | | | 44.0-140 | % | 1 | 08/21/2011 14:26 |



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## Results of **SB01 (2.0-3.0)**

Client Sample ID: **SB01 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150002-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|

### Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 14:26**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 14:59**
Prep Initial Wt./Vol.: **32.24 g**
Prep Extract Vol: **10 mL**



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## Results of **SB01 (2.0-3.0)**

Client Sample ID: **SB01 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150002-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 8270D-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| 2-Methylnaphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Acenaphthene | ND | U | 2.06 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Acenaphthylene | ND | U | 2.00 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Anthracene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Benzo(a)anthracene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Benzo(a)pyrene | ND | U | 1.86 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Benzo(b)fluoranthene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Benzo(g,h,i)perylene | ND | U | 2.15 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Benzo(k)fluoranthene | ND | U | 2.31 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Chrysene | ND | U | 2.20 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Dibenz(a,h)anthracene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Fluoranthene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Fluorene | ND | U | 2.44 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Naphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Phenanthrene | ND | U | 1.99 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| Pyrene | ND | U | 2.01 | 5.00 | ug/L | 1 | 08/20/2011 22:47 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 87.0 | | | 29.3-152 | % | 1 | 08/20/2011 22:47 |
| 2-Fluorobiphenyl | 81.5 | | | 50.0-107 | % | 1 | 08/20/2011 22:47 |
| 2-Fluorophenol | 80.4 | | | 33.1-118 | % | 1 | 08/20/2011 22:47 |
| Nitrobenzene-d5 | 89.4 | | | 46.0-118 | % | 1 | 08/20/2011 22:47 |
| Phenol-d6 | 84.4 | | | 49.0-120 | % | 1 | 08/20/2011 22:47 |
| Terphenyl-d14 | 87.4 | | | 22.1-142 | % | 1 | 08/20/2011 22:47 |

## Batch Information

Analytical Batch: **XMS1208**
Analytical Method: **SW-846 8270D-SPLP**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/20/2011 22:47**

Prep Batch: **XXX1675**
Prep Method: **SW-846 3520C**
Prep Date/Time: **08/18/2011 17:15**
Prep Initial Wt./Vol.: **100 mL**
Prep Extract Vol: **5 mL**



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## Results of **SB01 (2.0-3.0)**

Client Sample ID: **SB01 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150002-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.503 | 4.02 | mg/kg | 1 | 08/16/2011 15:25 |
| Silver | **0.545** | J | 0.113 | 1.01 | mg/kg | 1 | 08/16/2011 15:25 |
| Arsenic | **0.597** | J | 0.367 | 1.01 | mg/kg | 1 | 08/16/2011 15:25 |
| Chromium | **5.40** | | 0.241 | 1.01 | mg/kg | 1 | 08/16/2011 15:25 |
| Copper | **27.4** | | 0.0814 | 1.01 | mg/kg | 1 | 08/16/2011 15:25 |
| Lead | **504** | | 8.02 | 10.1 | mg/kg | 10 | 08/17/2011 11:13 |
| Manganese | **133** | | 3.83 | 10.1 | mg/kg | 10 | 08/17/2011 11:13 |
| Nickel | **2.05** | | 0.387 | 1.01 | mg/kg | 1 | 08/16/2011 15:25 |
| Selenium | **0.396** | J | 0.390 | 2.01 | mg/kg | 1 | 08/16/2011 15:25 |
| Zinc | **231** | | 11.3 | 20.1 | mg/kg | 10 | 08/17/2011 11:13 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 15:25**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.56 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 11:13**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.56 g**
Prep Extract Vol: **50 mL**



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## Results of **SB01 (2.0-3.0)**

Client Sample ID: **SB01 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150002-H
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.281** | | 0.00101 | 0.0225 | mg/kg | 1 | 08/16/2011 16:00 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:00**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.5 g**
Prep Extract Vol: **50 mL**



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## Results of **SB01 (2.0-3.0)**

Client Sample ID: **SB01 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150002-H
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0179 | 0.101 | mg/kg | 10 | 08/19/2011 12:00 |
| Cadmium | **0.352** | | 0.0179 | 0.101 | mg/kg | 10 | 08/19/2011 12:00 |
| Thallium | ND | U | 0.0247 | 0.101 | mg/kg | 10 | 08/19/2011 12:00 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:00**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.56 g**
Prep Extract Vol: **50 mL**



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Results of **SB02 (1.0-2.0)**

Client Sample ID: **SB02 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150003-D
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.80

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 5.24 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,1,1-Trichloroethane | ND | U | 6.19 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,1,2,2-Tetrachloroethane | ND | U | 7.86 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,1,2-Trichloroethane | ND | U | 6.34 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,1-Dichloroethane | ND | U | 8.31 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,1-Dichloroethene | ND | U | 10.7 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,1-Dichloropropene | ND | U | 4.35 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,2,3-Trichlorobenzene | ND | U | 5.54 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,2,3-Trichloropropane | ND | U | 10.7 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,2,4-Trichlorobenzene | ND | U | 4.60 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,2,4-Trimethylbenzene | **5.54** | J | 4.84 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,2-Dibromo-3-chloropropane | ND | U | 37.7 | 252 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,2-Dibromoethane | ND | U | 6.04 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,2-Dichlorobenzene | ND | U | 6.90 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,2-Dichloroethane | ND | U | 8.41 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,2-Dichloropropane | ND | U | 8.21 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,3,5-Trimethylbenzene | ND | U | 5.69 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,3-Dichlorobenzene | ND | U | 5.19 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,3-Dichloropropane | ND | U | 6.55 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 1,4-Dichlorobenzene | ND | U | 6.55 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 2,2-Dichloropropane | ND | U | 19.8 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 2-Butanone | ND | U | 36.4 | 1260 | ug/Kg | 50 | 08/17/2011 19:07 |
| 2-Chlorotoluene | ND | U | 5.69 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 2-Hexanone | ND | U | 36.7 | 252 | ug/Kg | 50 | 08/17/2011 19:07 |
| 4-Chlorotoluene | ND | U | 6.29 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 4-Isopropyltoluene | ND | U | 3.87 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| 4-Methyl-2-pentanone | ND | U | 28.1 | 252 | ug/Kg | 50 | 08/17/2011 19:07 |
| Acetone | ND | U | 43.5 | 1260 | ug/Kg | 50 | 08/17/2011 19:07 |
| Benzene | ND | U | 5.69 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Bromobenzene | ND | U | 5.54 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Bromochloromethane | ND | U | 10.6 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Bromodichloromethane | ND | U | 5.54 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Bromoform | ND | U | 4.90 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Bromomethane | ND | U | 11.9 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| n-Butylbenzene | ND | U | 3.87 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Carbon disulfide | ND | U | 5.34 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Carbon tetrachloride | ND | U | 5.09 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Chlorobenzene | ND | U | 5.84 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Chloroethane | ND | U | 15.7 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Chloroform | ND | U | 7.00 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Chloromethane | ND | U | 22.6 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Dibromochloromethane | ND | U | 6.75 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Dibromomethane | ND | U | 8.46 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |



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## Results of **SB02 (1.0-2.0)**

Client Sample ID: **SB02 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150003-D
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.80

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 8.61 | 252 | ug/Kg | 50 | 08/17/2011 19:07 |
| cis-1,3-Dichloropropene | ND | U | 3.86 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| trans-1,3-Dichloropropene | ND | U | 4.34 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Diisopropyl Ether | ND | U | 14.8 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Ethyl Benzene | ND | U | 4.42 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Hexachlorobutadiene | ND | U | 3.99 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Isopropylbenzene (Cumene) | ND | U | 4.38 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Methyl iodide | ND | U | 5.79 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Methylene chloride | ND | U | 7.65 | 252 | ug/Kg | 50 | 08/17/2011 19:07 |
| Naphthalene | **12.1** | J | 4.31 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Styrene | ND | U | 5.14 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Tetrachloroethene | **229** | | 7.81 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Toluene | **20.1** | J | 6.70 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Trichloroethene | ND | U | 6.29 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Trichlorofluoromethane | ND | U | 6.90 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| Vinyl chloride | ND | U | 6.24 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| cis-1,2-Dichloroethene | ND | U | 6.85 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| m,p-Xylene | **17.6** | J | 9.16 | 101 | ug/Kg | 50 | 08/17/2011 19:07 |
| n-Propylbenzene | ND | U | 5.69 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| o-Xylene | **6.55** | J | 4.40 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| sec-Butylbenzene | ND | U | 5.64 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| tert-Butyl methyl ether (MTBE) | ND | U | 7.25 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| tert-Butylbenzene | ND | U | 4.31 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| trans-1,2-Dichloroethene | ND | U | 11.2 | 50.4 | ug/Kg | 50 | 08/17/2011 19:07 |
| trans-1,4-Dichloro-2-butene | ND | U | 20.8 | 252 | ug/Kg | 50 | 08/17/2011 19:07 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 99.0 | | | 55.0-173 | % | 50 | 08/17/2011 19:07 |
| 4-Bromofluorobenzene | 96.0 | | | 23.0-141 | % | 50 | 08/17/2011 19:07 |
| Toluene d8 | 96.0 | | | 57.0-134 | % | 50 | 08/17/2011 19:07 |

## Batch Information

Analytical Batch: **VMS1464**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**
Analytical Date/Time: **08/17/2011 19:07**

Prep Batch: **VXX1941**
Prep Method: **SW-846 5035 SM**
Prep Date/Time: **08/17/2011 09:56**
Prep Initial Wt./Vol.: **5.35 g**
Prep Extract Vol: **5 mL**



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## Results of **SB02 (1.0-2.0)**

Client Sample ID: **SB02 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150003-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.80

## Results by **SW-846 8260B-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tetrachloroethene | **0.330** | J | 0.155 | 1.00 | ug/L | 1 | 08/19/2011 15:59 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 101 | | | 64.0-140 | % | 1 | 08/19/2011 15:59 |
| 4-Bromofluorobenzene | 99.0 | | | 85.0-115 | % | 1 | 08/19/2011 15:59 |
| Toluene d8 | 101 | | | 82.0-117 | % | 1 | 08/19/2011 15:59 |

## Batch Information

Analytical Batch: **VMS1473**
Analytical Method: **SW-846 8260B-SPLP**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **08/19/2011 15:59**

Prep Batch: **VXX1948**
Prep Method: **SW-846 5030B**
Prep Date/Time: **08/19/2011 09:15**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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Results of **SB02 (1.0-2.0)**

Client Sample ID: **SB02 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150003-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.80

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 29.3 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 1,2-Dichlorobenzene | ND | U | 16.6 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 1,3-Dichlorobenzene | ND | U | 22.4 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 1,4-Dichlorobenzene | ND | U | 23.5 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2,4,5-Trichlorophenol | ND | U | 22.2 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2,4,6-Trichlorophenol | ND | U | 22.5 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2,4-Dichlorophenol | ND | U | 19.2 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2,4-Dinitrophenol | ND | U | 30.8 | 664 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2,4-Dinitrotoluene | ND | U | 16.8 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2,6-Dinitrotoluene | ND | U | 23.8 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2-Chloronaphthalene | ND | U | 19.6 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2-Chlorophenol | ND | U | 17.6 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2-Methylnaphthalene | ND | U | 26.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2-Methylphenol | ND | U | 18.4 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2-Nitroaniline | ND | U | 21.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2-Nitrophenol | ND | U | 15.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 3 and/or 4-Methylphenol | ND | U | 21.6 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 3,3'-Dichlorobenzidine | ND | U | 15.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 3-Nitroaniline | ND | U | 15.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 4,6-Dinitro-2-methylphenol | ND | U | 15.6 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 4-Chloro-3-methylphenol | ND | U | 16.6 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 4-Chloroaniline | ND | U | 26.6 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 4-Chlorophenyl phenyl ether | ND | U | 35.5 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Acenaphthene | ND | U | 15.1 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Acenaphthylene | ND | U | 14.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Anthracene | ND | U | 14.8 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Benzo(a)anthracene | **163** | J | 18.3 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Benzo(a)pyrene | **219** | J | 18.8 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Benzo(b)fluoranthene | **289** | J | 19.1 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Benzo(g,h,i)perylene | **169** | J | 52.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Benzo(k)fluoranthene | **126** | J | 39.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Benzoic acid | ND | U | 7.38 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Bis(2-Chloroethoxy)methane | ND | U | 15.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Bis(2-Chloroethyl)ether | ND | U | 31.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Bis(2-Chloroisopropyl)ether | ND | U | 29.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 15.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 4-Bromophenyl phenyl ether | ND | U | 21.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Butyl benzyl phthalate | ND | U | 28.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Chrysene | **209** | J | 38.7 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Di-n-butyl phthalate | ND | U | 15.7 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Di-n-octyl phthalate | ND | U | 18.4 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Dibenz(a,h)anthracene | **39.8** | J | 15.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Dibenzofuran | ND | U | 26.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |



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Results of **SB02 (1.0-2.0)**

Client Sample ID: **SB02 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150003-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.80

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 18.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Dimethyl phthalate | ND | U | 25.5 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 2,4-Dimethylphenol | ND | U | 24.3 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Diphenylamine | ND | U | 15.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Fluoranthene | **342** | | 31.2 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Fluorene | ND | U | 17.6 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Hexachlorobenzene | ND | U | 31.5 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Hexachlorobutadiene | ND | U | 19.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Hexachlorocyclopentadiene | ND | U | 101 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Hexachloroethane | ND | U | 19.1 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Indeno(1,2,3-cd)pyrene | **153** | J | 25.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Isophorone | ND | U | 15.1 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Naphthalene | ND | U | 28.7 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 4-Nitroaniline | ND | U | 19.1 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Nitrobenzene | ND | U | 19.1 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| 4-Nitrophenol | ND | U | 32.7 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Pentachlorophenol | ND | U | 26.6 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Phenanthrene | **133** | J | 21.9 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Phenol | ND | U | 31.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Pyrene | **342** | | 14.0 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| n-Nitrosodi-n-propylamine | ND | U | 95.2 | 333 | ug/Kg | 1 | 08/21/2011 14:49 |
| Unknown | **471** | TIC | | | ug/Kg | 1 | 08/21/2011 14:49 |
| Benz[e]acephenanthrylene | **357** | TIC | | | ug/Kg | 1 | 08/21/2011 14:49 |
| Benzo[j]fluoranthene | **195** | TIC | | | ug/Kg | 1 | 08/21/2011 14:49 |
| Unknown | **351** | TIC | | | ug/Kg | 1 | 08/21/2011 14:49 |
| Ketone, Unknown | **220** | TIC | | | ug/Kg | 1 | 08/21/2011 14:49 |
| Unknown | **389** | TIC | | | ug/Kg | 1 | 08/21/2011 14:49 |
| Ketone, Unknown | **307** | TIC | | | ug/Kg | 1 | 08/21/2011 14:49 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 71.0 | | | 41.0-129 | % | 1 | 08/21/2011 14:49 |
| 2-Fluorobiphenyl | 80.0 | | | 48.0-123 | % | 1 | 08/21/2011 14:49 |
| 2-Fluorophenol | 80.0 | | | 42.0-123 | % | 1 | 08/21/2011 14:49 |
| Nitrobenzene-d5 | 89.0 | | | 46.0-117 | % | 1 | 08/21/2011 14:49 |
| Phenol-d6 | 81.0 | | | 48.0-125 | % | 1 | 08/21/2011 14:49 |
| Terphenyl-d14 | 81.0 | | | 44.0-140 | % | 1 | 08/21/2011 14:49 |



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## Results of **SB02 (1.0-2.0)**

Client Sample ID: **SB02 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150003-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.80

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|

### Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 14:49**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 14:59**
Prep Initial Wt./Vol.: **32.45 g**
Prep Extract Vol: **10 mL**



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## Results of **SB02 (1.0-2.0)**

Client Sample ID: **SB02 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150003-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.80

## Results by **SW-846 8270D-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| 2-Methylnaphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Acenaphthene | ND | U | 2.06 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Acenaphthylene | ND | U | 2.00 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Anthracene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Benzo(a)anthracene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Benzo(a)pyrene | ND | U | 1.86 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Benzo(b)fluoranthene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Benzo(g,h,i)perylene | ND | U | 2.15 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Benzo(k)fluoranthene | ND | U | 2.31 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Chrysene | ND | U | 2.20 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Dibenz(a,h)anthracene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Fluoranthene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Fluorene | ND | U | 2.44 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Naphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Phenanthrene | ND | U | 1.99 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| Pyrene | ND | U | 2.01 | 5.00 | ug/L | 1 | 08/20/2011 23:10 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 100 | | | 29.3-152 | % | 1 | 08/20/2011 23:10 |
| 2-Fluorobiphenyl | 92.2 | | | 50.0-107 | % | 1 | 08/20/2011 23:10 |
| 2-Fluorophenol | 87.7 | | | 33.1-118 | % | 1 | 08/20/2011 23:10 |
| Nitrobenzene-d5 | 102 | | | 46.0-118 | % | 1 | 08/20/2011 23:10 |
| Phenol-d6 | 93.7 | | | 49.0-120 | % | 1 | 08/20/2011 23:10 |
| Terphenyl-d14 | 102 | | | 22.1-142 | % | 1 | 08/20/2011 23:10 |

## Batch Information

Analytical Batch: **XMS1208**
Analytical Method: **SW-846 8270D-SPLP**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/20/2011 23:10**

Prep Batch: **XXX1675**
Prep Method: **SW-846 3520C**
Prep Date/Time: **08/18/2011 17:15**
Prep Initial Wt./Vol.: **100 mL**
Prep Extract Vol: **5 mL**



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## Results of **SB02 (1.0-2.0)**

Client Sample ID: **SB02 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150003-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.80

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.508 | 4.07 | mg/kg | 1 | 08/16/2011 15:32 |
| Silver | ND | U | 0.114 | 1.02 | mg/kg | 1 | 08/16/2011 15:32 |
| Arsenic | **0.985** | J | 0.371 | 1.02 | mg/kg | 1 | 08/16/2011 15:32 |
| Chromium | **3.40** | | 0.244 | 1.02 | mg/kg | 1 | 08/16/2011 15:32 |
| Copper | **16.8** | | 0.0822 | 1.02 | mg/kg | 1 | 08/16/2011 15:32 |
| Lead | **174** | | 8.10 | 10.2 | mg/kg | 10 | 08/17/2011 11:19 |
| Manganese | **57.5** | | 0.387 | 1.02 | mg/kg | 1 | 08/16/2011 15:32 |
| Nickel | **1.14** | | 0.391 | 1.02 | mg/kg | 1 | 08/16/2011 15:32 |
| Selenium | ND | U | 0.394 | 2.03 | mg/kg | 1 | 08/16/2011 15:32 |
| Zinc | **121** | | 11.4 | 20.3 | mg/kg | 10 | 08/17/2011 11:19 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 15:32**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 11:19**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**



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## Results of **SB02 (1.0-2.0)**

Client Sample ID: **SB02 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150003-H
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.80

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.469** | | 0.000915 | 0.0203 | mg/kg | 1 | 08/16/2011 16:02 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:02**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**



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## Results of **SB02 (1.0-2.0)**

Client Sample ID: **SB02 (1.0-2.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150003-H
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.80

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0181 | 0.102 | mg/kg | 10 | 08/19/2011 12:03 |
| Cadmium | **0.0915** | J | 0.0181 | 0.102 | mg/kg | 10 | 08/19/2011 12:03 |
| Thallium | ND | U | 0.0249 | 0.102 | mg/kg | 10 | 08/19/2011 12:03 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:03**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**



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Results of **SB02 (2.0-3.0)**

Client Sample ID: **SB02 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150004-D
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.90

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 5.22 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,1,1-Trichloroethane | **9.54** | J | 6.18 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,1,2,2-Tetrachloroethane | ND | U | 7.84 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,1,2-Trichloroethane | ND | U | 6.33 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,1-Dichloroethane | ND | U | 8.29 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,1-Dichloroethene | ND | U | 10.6 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,1-Dichloropropene | ND | U | 4.34 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,2,3-Trichlorobenzene | ND | U | 5.53 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,2,3-Trichloropropane | ND | U | 10.6 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,2,4-Trichlorobenzene | ND | U | 4.59 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,2,4-Trimethylbenzene | ND | U | 4.83 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,2-Dibromo-3-chloropropane | ND | U | 37.6 | 251 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,2-Dibromoethane | ND | U | 6.03 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,2-Dichlorobenzene | ND | U | 6.88 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,2-Dichloroethane | ND | U | 8.39 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,2-Dichloropropane | ND | U | 8.19 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,3,5-Trimethylbenzene | ND | U | 5.68 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,3-Dichlorobenzene | ND | U | 5.17 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,3-Dichloropropane | ND | U | 6.53 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 1,4-Dichlorobenzene | ND | U | 6.53 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 2,2-Dichloropropane | ND | U | 19.7 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 2-Butanone | ND | U | 36.3 | 1260 | ug/Kg | 50 | 08/17/2011 19:31 |
| 2-Chlorotoluene | ND | U | 5.68 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 2-Hexanone | ND | U | 36.6 | 251 | ug/Kg | 50 | 08/17/2011 19:31 |
| 4-Chlorotoluene | ND | U | 6.28 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 4-Isopropyltoluene | ND | U | 3.86 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| 4-Methyl-2-pentanone | ND | U | 28.0 | 251 | ug/Kg | 50 | 08/17/2011 19:31 |
| Acetone | ND | U | 43.4 | 1260 | ug/Kg | 50 | 08/17/2011 19:31 |
| Benzene | ND | U | 5.68 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Bromobenzene | ND | U | 5.53 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Bromochloromethane | ND | U | 10.6 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Bromodichloromethane | ND | U | 5.53 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Bromoform | ND | U | 4.89 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Bromomethane | ND | U | 11.9 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| n-Butylbenzene | ND | U | 3.86 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Carbon disulfide | ND | U | 5.32 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Carbon tetrachloride | ND | U | 5.07 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Chlorobenzene | ND | U | 5.83 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Chloroethane | ND | U | 15.6 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Chloroform | ND | U | 6.98 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Chloromethane | ND | U | 22.5 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Dibromochloromethane | ND | U | 6.73 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Dibromomethane | ND | U | 8.44 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |



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## Results of **SB02 (2.0-3.0)**

Client Sample ID: **SB02 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150004-D
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.90

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 8.59 | 251 | ug/Kg | 50 | 08/17/2011 19:31 |
| cis-1,3-Dichloropropene | ND | U | 3.85 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| trans-1,3-Dichloropropene | ND | U | 4.33 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Diisopropyl Ether | ND | U | 14.8 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Ethyl Benzene | ND | U | 4.41 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Hexachlorobutadiene | ND | U | 3.98 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Isopropylbenzene (Cumene) | ND | U | 4.37 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Methyl iodide | ND | U | 5.78 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Methylene chloride | **9.54** | J | 7.64 | 251 | ug/Kg | 50 | 08/17/2011 19:31 |
| Naphthalene | ND | U | 4.30 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Styrene | ND | U | 5.12 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Tetrachloroethene | **298** | | 7.79 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Toluene | ND | U | 6.68 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Trichloroethene | ND | U | 6.28 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Trichlorofluoromethane | ND | U | 6.88 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| Vinyl chloride | ND | U | 6.23 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| cis-1,2-Dichloroethene | ND | U | 6.83 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| m,p-Xylene | ND | U | 9.14 | 100 | ug/Kg | 50 | 08/17/2011 19:31 |
| n-Propylbenzene | ND | U | 5.68 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| o-Xylene | ND | U | 4.39 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| sec-Butylbenzene | ND | U | 5.63 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| tert-Butyl methyl ether (MTBE) | ND | U | 7.23 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| tert-Butylbenzene | ND | U | 4.30 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| trans-1,2-Dichloroethene | ND | U | 11.2 | 50.2 | ug/Kg | 50 | 08/17/2011 19:31 |
| trans-1,4-Dichloro-2-butene | ND | U | 20.8 | 251 | ug/Kg | 50 | 08/17/2011 19:31 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 104 | | | 55.0-173 | % | 50 | 08/17/2011 19:31 |
| 4-Bromofluorobenzene | 93.0 | | | 23.0-141 | % | 50 | 08/17/2011 19:31 |
| Toluene d8 | 100 | | | 57.0-134 | % | 50 | 08/17/2011 19:31 |

## Batch Information

Analytical Batch: **VMS1464**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**
Analytical Date/Time: **08/17/2011 19:31**

Prep Batch: **VXX1941**
Prep Method: **SW-846 5035 SM**
Prep Date/Time: **08/17/2011 09:56**
Prep Initial Wt./Vol.: **5.6 g**
Prep Extract Vol: **5 mL**



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## Results of **SB02 (2.0-3.0)**

Client Sample ID: **SB02 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150004-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.90

## Results by **SW-846 8260B-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tetrachloroethene | **0.540** | J | 0.155 | 1.00 | ug/L | 1 | 08/19/2011 16:24 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 103 | | | 64.0-140 | % | 1 | 08/19/2011 16:24 |
| 4-Bromofluorobenzene | 99.0 | | | 85.0-115 | % | 1 | 08/19/2011 16:24 |
| Toluene d8 | 102 | | | 82.0-117 | % | 1 | 08/19/2011 16:24 |

## Batch Information

Analytical Batch: **VMS1473**
Analytical Method: **SW-846 8260B-SPLP**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **08/19/2011 16:24**

Prep Batch: **VXX1948**
Prep Method: **SW-846 5030B**
Prep Date/Time: **08/19/2011 09:15**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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Results of **SB02 (2.0-3.0)**

Client Sample ID: **SB02 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150004-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.90

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 30.9 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 1,2-Dichlorobenzene | ND | U | 17.5 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 1,3-Dichlorobenzene | ND | U | 23.7 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 1,4-Dichlorobenzene | ND | U | 24.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2,4,5-Trichlorophenol | ND | U | 23.4 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2,4,6-Trichlorophenol | ND | U | 23.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2,4-Dichlorophenol | ND | U | 20.3 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2,4-Dinitrophenol | ND | U | 32.5 | 701 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2,4-Dinitrotoluene | ND | U | 17.7 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2,6-Dinitrotoluene | ND | U | 25.1 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2-Chloronaphthalene | ND | U | 20.6 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2-Chlorophenol | ND | U | 18.6 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2-Methylnaphthalene | ND | U | 28.4 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2-Methylphenol | ND | U | 19.4 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2-Nitroaniline | ND | U | 23.1 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2-Nitrophenol | ND | U | 16.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 3 and/or 4-Methylphenol | ND | U | 22.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 3,3'-Dichlorobenzidine | ND | U | 16.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 3-Nitroaniline | ND | U | 15.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 4,6-Dinitro-2-methylphenol | ND | U | 16.5 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 4-Chloro-3-methylphenol | ND | U | 17.5 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 4-Chloroaniline | ND | U | 28.0 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 4-Chlorophenyl phenyl ether | ND | U | 37.4 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Acenaphthene | ND | U | 15.9 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Acenaphthylene | ND | U | 14.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Anthracene | ND | U | 15.6 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Benzo(a)anthracene | **101** | J | 19.3 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Benzo(a)pyrene | **122** | J | 19.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Benzo(b)fluoranthene | **154** | J | 20.2 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Benzo(g,h,i)perylene | **98.0** | J | 55.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Benzo(k)fluoranthene | **66.5** | J | 42.0 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Benzoic acid | ND | U | 7.78 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Bis(2-Chloroethoxy)methane | ND | U | 15.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Bis(2-Chloroethyl)ether | ND | U | 32.7 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Bis(2-Chloroisopropyl)ether | ND | U | 30.6 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 16.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 4-Bromophenyl phenyl ether | ND | U | 23.1 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Butyl benzyl phthalate | ND | U | 30.5 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Chrysene | **119** | J | 40.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Di-n-butyl phthalate | ND | U | 16.6 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Di-n-octyl phthalate | ND | U | 19.4 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Dibenz(a,h)anthracene | ND | U | 15.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Dibenzofuran | ND | U | 27.5 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |



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## Results of **SB02 (2.0-3.0)**

Client Sample ID: **SB02 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150004-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.90

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 18.9 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Dimethyl phthalate | ND | U | 26.9 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 2,4-Dimethylphenol | ND | U | 25.7 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Diphenylamine | ND | U | 15.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Fluoranthene | **164** | J | 33.0 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Fluorene | ND | U | 18.6 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Hexachlorobenzene | ND | U | 33.2 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Hexachlorobutadiene | ND | U | 21.0 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Hexachlorocyclopentadiene | ND | U | 106 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Hexachloroethane | ND | U | 20.2 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Indeno(1,2,3-cd)pyrene | **80.5** | J | 27.4 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Isophorone | ND | U | 15.9 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Naphthalene | ND | U | 30.3 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 4-Nitroaniline | ND | U | 20.2 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Nitrobenzene | ND | U | 20.2 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| 4-Nitrophenol | ND | U | 34.5 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Pentachlorophenol | ND | U | 28.0 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Phenanthrene | **70.0** | J | 23.1 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Phenol | ND | U | 32.7 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Pyrene | **161** | J | 14.8 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| n-Nitrosodi-n-propylamine | ND | U | 100 | 351 | ug/Kg | 1 | 08/21/2011 15:12 |
| Pyrene | **184** | TIC | | | ug/Kg | 1 | 08/21/2011 15:12 |
| Benzo[j]fluoranthene | **193** | TIC | | | ug/Kg | 1 | 08/21/2011 15:12 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 59.0 | | | 41.0-129 | % | 1 | 08/21/2011 15:12 |
| 2-Fluorobiphenyl | 72.0 | | | 48.0-123 | % | 1 | 08/21/2011 15:12 |
| 2-Fluorophenol | 73.0 | | | 42.0-123 | % | 1 | 08/21/2011 15:12 |
| Nitrobenzene-d5 | 81.0 | | | 46.0-117 | % | 1 | 08/21/2011 15:12 |
| Phenol-d6 | 74.0 | | | 48.0-125 | % | 1 | 08/21/2011 15:12 |
| Terphenyl-d14 | 71.0 | | | 44.0-140 | % | 1 | 08/21/2011 15:12 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 15:12**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 14:59**
Prep Initial Wt./Vol.: **32.12 g**
Prep Extract Vol: **10 mL**



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## Results of **SB02 (2.0-3.0)**

Client Sample ID: **SB02 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150004-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.90

## Results by **SW-846 8270D-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| 2-Methylnaphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Acenaphthene | ND | U | 2.06 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Acenaphthylene | ND | U | 2.00 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Anthracene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Benzo(a)anthracene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Benzo(a)pyrene | ND | U | 1.86 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Benzo(b)fluoranthene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Benzo(g,h,i)perylene | ND | U | 2.15 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Benzo(k)fluoranthene | ND | U | 2.31 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Chrysene | ND | U | 2.20 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Dibenz(a,h)anthracene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Fluoranthene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Fluorene | ND | U | 2.44 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Naphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Phenanthrene | ND | U | 1.99 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| Pyrene | ND | U | 2.01 | 5.00 | ug/L | 1 | 08/20/2011 23:34 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 88.1 | | | 29.3-152 | % | 1 | 08/20/2011 23:34 |
| 2-Fluorobiphenyl | 89.7 | | | 50.0-107 | % | 1 | 08/20/2011 23:34 |
| 2-Fluorophenol | 89.1 | | | 33.1-118 | % | 1 | 08/20/2011 23:34 |
| Nitrobenzene-d5 | 99.8 | | | 46.0-118 | % | 1 | 08/20/2011 23:34 |
| Phenol-d6 | 92.6 | | | 49.0-120 | % | 1 | 08/20/2011 23:34 |
| Terphenyl-d14 | 94.1 | | | 22.1-142 | % | 1 | 08/20/2011 23:34 |

## Batch Information

Analytical Batch: **XMS1208**
Analytical Method: **SW-846 8270D-SPLP**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/20/2011 23:34**

Prep Batch: **XXX1675**
Prep Method: **SW-846 3520C**
Prep Date/Time: **08/18/2011 17:15**
Prep Initial Wt./Vol.: **100 mL**
Prep Extract Vol: **5 mL**



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## Results of **SB02 (2.0-3.0)**

Client Sample ID: **SB02 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150004-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.90

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.552 | 4.41 | mg/kg | 1 | 08/16/2011 15:39 |
| Silver | **0.267** | J | 0.124 | 1.10 | mg/kg | 1 | 08/16/2011 15:39 |
| Arsenic | ND | U | 0.403 | 1.10 | mg/kg | 1 | 08/16/2011 15:39 |
| Chromium | **4.65** | | 0.265 | 1.10 | mg/kg | 1 | 08/16/2011 15:39 |
| Copper | **141** | | 0.892 | 11.0 | mg/kg | 10 | 08/17/2011 11:26 |
| Lead | **193** | | 8.79 | 11.0 | mg/kg | 10 | 08/17/2011 11:26 |
| Manganese | **84.6** | | 0.420 | 1.10 | mg/kg | 1 | 08/16/2011 15:39 |
| Nickel | **8.84** | | 0.425 | 1.10 | mg/kg | 1 | 08/16/2011 15:39 |
| Selenium | ND | U | 0.428 | 2.21 | mg/kg | 1 | 08/16/2011 15:39 |
| Zinc | **227** | | 12.4 | 22.1 | mg/kg | 10 | 08/17/2011 11:26 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 15:39**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 11:26**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**



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## Results of **SB02 (2.0-3.0)**

Client Sample ID: **SB02 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150004-H
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.90

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.323** | | 0.000974 | 0.0216 | mg/kg | 1 | 08/16/2011 16:04 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:04**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.52 g**
Prep Extract Vol: **50 mL**



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## Results of **SB02 (2.0-3.0)**

Client Sample ID: **SB02 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150004-H
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.90

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0196 | 0.110 | mg/kg | 10 | 08/19/2011 12:05 |
| Cadmium | **0.254** | | 0.0196 | 0.110 | mg/kg | 10 | 08/19/2011 12:05 |
| Thallium | ND | U | 0.0270 | 0.110 | mg/kg | 10 | 08/19/2011 12:05 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:05**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**



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Results of **SB03 (0.5-1.5)**

Client Sample ID: **SB03 (0.5-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150005-A
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 87.60

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.13 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,1,1-Trichloroethane | ND | U | 0.830 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.20 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,1,2-Trichloroethane | ND | U | 1.11 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,1-Dichloroethane | ND | U | 0.920 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,1-Dichloroethene | ND | U | 0.963 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,1-Dichloropropene | ND | U | 0.983 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,2,3-Trichlorobenzene | ND | U | 1.48 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,2,3-Trichloropropane | ND | U | 1.18 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,2,4-Trichlorobenzene | ND | U | 1.27 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,2,4-Trimethylbenzene | ND | U | 1.14 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,2-Dibromo-3-chloropropane | ND | U | 6.20 | 32.0 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,2-Dibromoethane | ND | U | 0.808 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,2-Dichlorobenzene | ND | U | 1.38 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,2-Dichloroethane | ND | U | 0.945 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,2-Dichloropropane | ND | U | 0.858 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,3,5-Trimethylbenzene | ND | U | 1.05 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,3-Dichlorobenzene | ND | U | 1.24 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,3-Dichloropropane | ND | U | 0.859 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 1,4-Dichlorobenzene | ND | U | 1.17 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 2,2-Dichloropropane | ND | U | 0.889 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 2-Butanone | ND | U | 1.66 | 26.7 | ug/Kg | 1 | 08/16/2011 23:37 |
| 2-Chlorotoluene | ND | U | 1.19 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 2-Hexanone | ND | U | 2.08 | 13.3 | ug/Kg | 1 | 08/16/2011 23:37 |
| 4-Chlorotoluene | ND | U | 1.18 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 4-Isopropyltoluene | ND | U | 1.11 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| 4-Methyl-2-pentanone | ND | U | 3.42 | 13.3 | ug/Kg | 1 | 08/16/2011 23:37 |
| Acetone | **8.31** | J | 1.32 | 53.3 | ug/Kg | 1 | 08/16/2011 23:37 |
| Benzene | ND | U | 0.952 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Bromobenzene | ND | U | 1.05 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Bromochloromethane | ND | U | 0.931 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Bromodichloromethane | ND | U | 0.867 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Bromoform | ND | U | 0.713 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Bromomethane | ND | U | 1.88 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| n-Butylbenzene | ND | U | 1.15 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Carbon disulfide | ND | U | 0.921 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Carbon tetrachloride | ND | U | 0.928 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Chlorobenzene | ND | U | 0.825 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Chloroethane | ND | U | 0.490 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Chloroform | ND | U | 0.866 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Chloromethane | ND | U | 0.773 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Dibromochloromethane | ND | U | 0.903 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Dibromomethane | ND | U | 0.866 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |



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## Results of **SB03 (0.5-1.5)**

Client Sample ID: **SB03 (0.5-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150005-A
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 87.60

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.775 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| cis-1,3-Dichloropropene | ND | U | 0.918 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| trans-1,3-Dichloropropene | ND | U | 0.955 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Diisopropyl Ether | ND | U | 0.958 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Ethyl Benzene | ND | U | 0.882 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Hexachlorobutadiene | ND | U | 1.46 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Isopropylbenzene (Cumene) | ND | U | 1.03 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Methyl iodide | ND | U | 0.902 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Methylene chloride | **1.13** | J | 0.744 | 21.3 | ug/Kg | 1 | 08/16/2011 23:37 |
| Naphthalene | ND | U | 1.29 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Styrene | ND | U | 1.05 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Tetrachloroethene | **1.47** | J | 0.802 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Toluene | ND | U | 0.864 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Trichloroethene | ND | U | 0.892 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Trichlorofluoromethane | ND | U | 0.804 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| Vinyl chloride | ND | U | 0.785 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| cis-1,2-Dichloroethene | ND | U | 0.826 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| m,p-Xylene | ND | U | 1.89 | 10.7 | ug/Kg | 1 | 08/16/2011 23:37 |
| n-Propylbenzene | ND | U | 1.04 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| o-Xylene | ND | U | 1.08 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| sec-Butylbenzene | ND | U | 1.11 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.908 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| tert-Butylbenzene | ND | U | 0.966 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| trans-1,2-Dichloroethene | ND | U | 0.918 | 5.33 | ug/Kg | 1 | 08/16/2011 23:37 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.77 | 26.7 | ug/Kg | 1 | 08/16/2011 23:37 |
| Unknown | **6.29** | TIC | | | ug/Kg | 1 | 08/16/2011 23:37 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 125 | | | 55.0-173 | % | 1 | 08/16/2011 23:37 |
| 4-Bromofluorobenzene | 103 | | | 23.0-141 | % | 1 | 08/16/2011 23:37 |
| Toluene d8 | 100 | | | 57.0-134 | % | 1 | 08/16/2011 23:37 |

## Batch Information

Analytical Batch: **VMS1462**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **08/16/2011 23:37**

Prep Batch: **VXX1935**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/16/2011 08:00**
Prep Initial Wt./Vol.: **5.35 g**
Prep Extract Vol: **5 mL**



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## Results of **SB03 (0.5-1.5)**

Client Sample ID: **SB03 (0.5-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150005-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 87.60

## Results by **SW-846 8260B-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tetrachloroethene | **0.160** | J | 0.155 | 1.00 | ug/L | 1 | 08/19/2011 16:49 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 102 | | | 64.0-140 | % | 1 | 08/19/2011 16:49 |
| 4-Bromofluorobenzene | 102 | | | 85.0-115 | % | 1 | 08/19/2011 16:49 |
| Toluene d8 | 104 | | | 82.0-117 | % | 1 | 08/19/2011 16:49 |

## Batch Information

Analytical Batch: **VMS1473**
Analytical Method: **SW-846 8260B-SPLP**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **08/19/2011 16:49**

Prep Batch: **VXX1948**
Prep Method: **SW-846 5030B**
Prep Date/Time: **08/19/2011 09:15**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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Results of **SB03 (0.5-1.5)**

Client Sample ID: **SB03 (0.5-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150005-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 87.60

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 31.3 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 1,2-Dichlorobenzene | ND | U | 17.7 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 1,3-Dichlorobenzene | ND | U | 24.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 1,4-Dichlorobenzene | ND | U | 25.1 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2,4,5-Trichlorophenol | ND | U | 23.7 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2,4,6-Trichlorophenol | ND | U | 24.1 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2,4-Dichlorophenol | ND | U | 20.6 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2,4-Dinitrophenol | ND | U | 32.9 | 710 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2,4-Dinitrotoluene | ND | U | 17.9 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2,6-Dinitrotoluene | ND | U | 25.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2-Chloronaphthalene | ND | U | 20.9 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2-Chlorophenol | ND | U | 18.9 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2-Methylnaphthalene | ND | U | 28.7 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2-Methylphenol | ND | U | 19.6 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2-Nitroaniline | ND | U | 23.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2-Nitrophenol | ND | U | 17.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 3 and/or 4-Methylphenol | ND | U | 23.1 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 3,3'-Dichlorobenzidine | ND | U | 17.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 3-Nitroaniline | ND | U | 16.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 4,6-Dinitro-2-methylphenol | ND | U | 16.7 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 4-Chloro-3-methylphenol | ND | U | 17.7 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 4-Chloroaniline | ND | U | 28.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 4-Chlorophenyl phenyl ether | ND | U | 37.9 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Acenaphthene | ND | U | 16.1 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Acenaphthylene | ND | U | 15.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Anthracene | ND | U | 15.8 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Benzo(a)anthracene | ND | U | 19.5 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Benzo(a)pyrene | ND | U | 20.1 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Benzo(b)fluoranthene | ND | U | 20.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Benzo(g,h,i)perylene | ND | U | 56.6 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Benzo(k)fluoranthene | ND | U | 42.6 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Benzoic acid | ND | U | 7.88 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Bis(2-Chloroethoxy)methane | ND | U | 16.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Bis(2-Chloroethyl)ether | ND | U | 33.2 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Bis(2-Chloroisopropyl)ether | ND | U | 31.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 17.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 4-Bromophenyl phenyl ether | ND | U | 23.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Butyl benzyl phthalate | ND | U | 30.9 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Chrysene | ND | U | 41.3 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Di-n-butyl phthalate | ND | U | 16.8 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Di-n-octyl phthalate | ND | U | 19.6 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Dibenz(a,h)anthracene | ND | U | 16.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Dibenzofuran | ND | U | 27.8 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |



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## Results of **SB03 (0.5-1.5)**

Client Sample ID: **SB03 (0.5-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150005-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 87.60

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 19.2 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Dimethyl phthalate | ND | U | 27.3 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 2,4-Dimethylphenol | ND | U | 26.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Diphenylamine | ND | U | 16.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Fluoranthene | ND | U | 33.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Fluorene | ND | U | 18.9 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Hexachlorobenzene | ND | U | 33.6 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Hexachlorobutadiene | ND | U | 21.2 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Hexachlorocyclopentadiene | ND | U | 108 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Hexachloroethane | ND | U | 20.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Indeno(1,2,3-cd)pyrene | ND | U | 27.7 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Isophorone | ND | U | 16.1 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Naphthalene | ND | U | 30.7 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 4-Nitroaniline | ND | U | 20.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Nitrobenzene | ND | U | 20.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| 4-Nitrophenol | ND | U | 35.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Pentachlorophenol | ND | U | 28.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Phenanthrene | ND | U | 23.4 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Phenol | ND | U | 33.2 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Pyrene | ND | U | 15.0 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| n-Nitrosodi-n-propylamine | ND | U | 102 | 355 | ug/Kg | 1 | 08/21/2011 15:35 |
| Unknown | **891** | TIC | | | ug/Kg | 1 | 08/21/2011 15:35 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 65.0 | | | 41.0-129 | % | 1 | 08/21/2011 15:35 |
| 2-Fluorobiphenyl | 72.0 | | | 48.0-123 | % | 1 | 08/21/2011 15:35 |
| 2-Fluorophenol | 77.0 | | | 42.0-123 | % | 1 | 08/21/2011 15:35 |
| Nitrobenzene-d5 | 80.0 | | | 46.0-117 | % | 1 | 08/21/2011 15:35 |
| Phenol-d6 | 76.0 | | | 48.0-125 | % | 1 | 08/21/2011 15:35 |
| Terphenyl-d14 | 71.0 | | | 44.0-140 | % | 1 | 08/21/2011 15:35 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 15:35**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 14:59**
Prep Initial Wt./Vol.: **32.15 g**
Prep Extract Vol: **10 mL**



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## Results of **SB03 (0.5-1.5)**

Client Sample ID: **SB03 (0.5-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150005-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 87.60

## Results by **SW-846 8270D-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| 2-Methylnaphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Acenaphthene | ND | U | 2.06 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Acenaphthylene | ND | U | 2.00 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Anthracene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Benzo(a)anthracene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Benzo(a)pyrene | ND | U | 1.86 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Benzo(b)fluoranthene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Benzo(g,h,i)perylene | ND | U | 2.15 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Benzo(k)fluoranthene | ND | U | 2.31 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Chrysene | ND | U | 2.20 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Dibenz(a,h)anthracene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Fluoranthene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Fluorene | ND | U | 2.44 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Naphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Phenanthrene | ND | U | 1.99 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| Pyrene | ND | U | 2.01 | 5.00 | ug/L | 1 | 08/20/2011 23:57 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 100 | | | 29.3-152 | % | 1 | 08/20/2011 23:57 |
| 2-Fluorobiphenyl | 94.8 | | | 50.0-107 | % | 1 | 08/20/2011 23:57 |
| 2-Fluorophenol | 93.3 | | | 33.1-118 | % | 1 | 08/20/2011 23:57 |
| Nitrobenzene-d5 | 104 | | | 46.0-118 | % | 1 | 08/20/2011 23:57 |
| Phenol-d6 | 98.5 | | | 49.0-120 | % | 1 | 08/20/2011 23:57 |
| Terphenyl-d14 | 99.9 | | | 22.1-142 | % | 1 | 08/20/2011 23:57 |

## Batch Information

Analytical Batch: **XMS1208**
Analytical Method: **SW-846 8270D-SPLP**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/20/2011 23:57**

Prep Batch: **XXX1675**
Prep Method: **SW-846 3520C**
Prep Date/Time: **08/18/2011 17:15**
Prep Initial Wt./Vol.: **100 mL**
Prep Extract Vol: **5 mL**



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## Results of **SB03 (0.5-1.5)**

Client Sample ID: **SB03 (0.5-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150005-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 87.60

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.519 | 4.15 | mg/kg | 1 | 08/16/2011 15:46 |
| Silver | ND | U | 0.116 | 1.04 | mg/kg | 1 | 08/16/2011 15:46 |
| Arsenic | ND | U | 0.379 | 1.04 | mg/kg | 1 | 08/16/2011 15:46 |
| Chromium | **1.88** | | 0.249 | 1.04 | mg/kg | 1 | 08/16/2011 15:46 |
| Copper | **4.79** | | 0.0839 | 1.04 | mg/kg | 1 | 08/16/2011 15:46 |
| Lead | **62.7** | | 0.827 | 1.04 | mg/kg | 1 | 08/16/2011 15:46 |
| Manganese | **9.66** | | 0.395 | 1.04 | mg/kg | 1 | 08/16/2011 15:46 |
| Nickel | **0.471** | J | 0.399 | 1.04 | mg/kg | 1 | 08/16/2011 15:46 |
| Selenium | ND | U | 0.402 | 2.07 | mg/kg | 1 | 08/16/2011 15:46 |
| Zinc | **103** | | 1.16 | 2.07 | mg/kg | 1 | 08/16/2011 15:46 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 15:46**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



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## Results of **SB03 (0.5-1.5)**

Client Sample ID: **SB03 (0.5-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150005-H
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 87.60

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.0942** | | 0.000901 | 0.0200 | mg/kg | 1 | 08/16/2011 16:06 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:06**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**



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## Results of **SB03 (0.5-1.5)**

Client Sample ID: **SB03 (0.5-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150005-H
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 87.60

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0185 | 0.104 | mg/kg | 10 | 08/19/2011 12:08 |
| Cadmium | **0.0933** | J | 0.0185 | 0.104 | mg/kg | 10 | 08/19/2011 12:08 |
| Thallium | ND | U | 0.0254 | 0.104 | mg/kg | 10 | 08/19/2011 12:08 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:08**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



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Results of **SB03 (1.5-2.5)**

Client Sample ID: **SB03 (1.5-2.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150006-A
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.60

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.08 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,1,1-Trichloroethane | ND | U | 0.794 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.15 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,1,2-Trichloroethane | ND | U | 1.06 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,1-Dichloroethane | ND | U | 0.881 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,1-Dichloroethene | ND | U | 0.921 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,1-Dichloropropene | ND | U | 0.941 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,2,3-Trichlorobenzene | ND | U | 1.42 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,2,3-Trichloropropane | ND | U | 1.13 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,2,4-Trichlorobenzene | ND | U | 1.21 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,2,4-Trimethylbenzene | ND | U | 1.09 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.93 | 30.6 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,2-Dibromoethane | ND | U | 0.774 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,2-Dichlorobenzene | ND | U | 1.32 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,2-Dichloroethane | ND | U | 0.904 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,2-Dichloropropane | ND | U | 0.821 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,3,5-Trimethylbenzene | ND | U | 1.00 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,3-Dichlorobenzene | ND | U | 1.18 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,3-Dichloropropane | ND | U | 0.822 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 1,4-Dichlorobenzene | ND | U | 1.12 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 2,2-Dichloropropane | ND | U | 0.851 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 2-Butanone | ND | U | 1.59 | 25.5 | ug/Kg | 1 | 08/16/2011 18:23 |
| 2-Chlorotoluene | ND | U | 1.14 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 2-Hexanone | ND | U | 1.99 | 12.8 | ug/Kg | 1 | 08/16/2011 18:23 |
| 4-Chlorotoluene | ND | U | 1.13 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 4-Isopropyltoluene | ND | U | 1.06 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| 4-Methyl-2-pentanone | ND | U | 3.28 | 12.8 | ug/Kg | 1 | 08/16/2011 18:23 |
| Acetone | **6.02** | J | 1.27 | 51.0 | ug/Kg | 1 | 08/16/2011 18:23 |
| Benzene | ND | U | 0.911 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Bromobenzene | ND | U | 1.01 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Bromochloromethane | ND | U | 0.891 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Bromodichloromethane | ND | U | 0.830 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Bromoform | ND | U | 0.683 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Bromomethane | ND | U | 1.80 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| n-Butylbenzene | ND | U | 1.10 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Carbon disulfide | ND | U | 0.882 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Carbon tetrachloride | ND | U | 0.888 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Chlorobenzene | ND | U | 0.790 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Chloroethane | ND | U | 0.469 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Chloroform | ND | U | 0.829 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Chloromethane | ND | U | 0.740 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Dibromochloromethane | ND | U | 0.864 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Dibromomethane | ND | U | 0.829 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |



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## Results of **SB03 (1.5-2.5)**

Client Sample ID: **SB03 (1.5-2.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150006-A
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.60

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.742 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| cis-1,3-Dichloropropene | ND | U | 0.879 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| trans-1,3-Dichloropropene | ND | U | 0.914 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Diisopropyl Ether | ND | U | 0.916 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Ethyl Benzene | ND | U | 0.844 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Hexachlorobutadiene | ND | U | 1.40 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Isopropylbenzene (Cumene) | ND | U | 0.983 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Methyl iodide | ND | U | 0.863 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Methylene chloride | **2.33** | J | 0.712 | 20.4 | ug/Kg | 1 | 08/16/2011 18:23 |
| Naphthalene | ND | U | 1.23 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Styrene | ND | U | 1.01 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Tetrachloroethene | **2.28** | J | 0.767 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Toluene | ND | U | 0.827 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Trichloroethene | ND | U | 0.854 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Trichlorofluoromethane | ND | U | 0.769 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| Vinyl chloride | ND | U | 0.751 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| cis-1,2-Dichloroethene | ND | U | 0.791 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| m,p-Xylene | ND | U | 1.81 | 10.2 | ug/Kg | 1 | 08/16/2011 18:23 |
| n-Propylbenzene | ND | U | 0.995 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| o-Xylene | ND | U | 1.03 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| sec-Butylbenzene | ND | U | 1.06 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.869 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| tert-Butylbenzene | ND | U | 0.925 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| trans-1,2-Dichloroethene | ND | U | 0.879 | 5.10 | ug/Kg | 1 | 08/16/2011 18:23 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.52 | 25.5 | ug/Kg | 1 | 08/16/2011 18:23 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 124 | | | 55.0-173 | % | 1 | 08/16/2011 18:23 |
| 4-Bromofluorobenzene | 102 | | | 23.0-141 | % | 1 | 08/16/2011 18:23 |
| Toluene d8 | 101 | | | 57.0-134 | % | 1 | 08/16/2011 18:23 |

## Batch Information

Analytical Batch: **VMS1462**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **08/16/2011 18:23**

Prep Batch: **VXX1935**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/16/2011 08:00**
Prep Initial Wt./Vol.: **5.35 g**
Prep Extract Vol: **5 mL**



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## Results of **SB03 (1.5-2.5)**

Client Sample ID: **SB03 (1.5-2.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150006-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.60

## Results by **SW-846 8260B-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tetrachloroethene | ND | U | 0.155 | 1.00 | ug/L | 1 | 08/19/2011 17:14 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 102 | | | 64.0-140 | % | 1 | 08/19/2011 17:14 |
| 4-Bromofluorobenzene | 101 | | | 85.0-115 | % | 1 | 08/19/2011 17:14 |
| Toluene d8 | 101 | | | 82.0-117 | % | 1 | 08/19/2011 17:14 |

## Batch Information

Analytical Batch: **VMS1473**
Analytical Method: **SW-846 8260B-SPLP**
Instrument: **MSD3**
Analyst: **DVO**
Analytical Date/Time: **08/19/2011 17:14**

Prep Batch: **VXX1948**
Prep Method: **SW-846 5030B**
Prep Date/Time: **08/19/2011 09:15**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**



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Results of **SB03 (1.5-2.5)**

Client Sample ID: **SB03 (1.5-2.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150006-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.60

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 29.4 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 1,2-Dichlorobenzene | ND | U | 16.6 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 1,3-Dichlorobenzene | ND | U | 22.5 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 1,4-Dichlorobenzene | ND | U | 23.5 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2,4,5-Trichlorophenol | ND | U | 22.3 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2,4,6-Trichlorophenol | ND | U | 22.6 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2,4-Dichlorophenol | ND | U | 19.3 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2,4-Dinitrophenol | ND | U | 30.9 | 666 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2,4-Dinitrotoluene | ND | U | 16.8 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2,6-Dinitrotoluene | ND | U | 23.9 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2-Chloronaphthalene | ND | U | 19.6 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2-Chlorophenol | ND | U | 17.7 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2-Methylnaphthalene | ND | U | 27.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2-Methylphenol | ND | U | 18.4 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2-Nitroaniline | ND | U | 21.9 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2-Nitrophenol | ND | U | 16.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 3 and/or 4-Methylphenol | ND | U | 21.6 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 3,3'-Dichlorobenzidine | ND | U | 16.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 3-Nitroaniline | ND | U | 15.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 4,6-Dinitro-2-methylphenol | ND | U | 15.7 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 4-Chloro-3-methylphenol | ND | U | 16.6 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 4-Chloroaniline | ND | U | 26.6 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 4-Chlorophenyl phenyl ether | ND | U | 35.6 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Acenaphthene | ND | U | 15.1 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Acenaphthylene | ND | U | 14.1 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Anthracene | ND | U | 14.8 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Benzo(a)anthracene | ND | U | 18.3 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Benzo(a)pyrene | ND | U | 18.9 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Benzo(b)fluoranthene | ND | U | 19.2 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Benzo(g,h,i)perylene | ND | U | 53.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Benzo(k)fluoranthene | ND | U | 39.9 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Benzoic acid | ND | U | 7.39 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Bis(2-Chloroethoxy)methane | ND | U | 15.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Bis(2-Chloroethyl)ether | ND | U | 31.1 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Bis(2-Chloroisopropyl)ether | ND | U | 29.1 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 16.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 4-Bromophenyl phenyl ether | ND | U | 21.9 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Butyl benzyl phthalate | ND | U | 29.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Chrysene | ND | U | 38.8 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Di-n-butyl phthalate | ND | U | 15.8 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Di-n-octyl phthalate | ND | U | 18.4 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Dibenz(a,h)anthracene | ND | U | 15.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Dibenzofuran | ND | U | 26.1 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |

Print Date: 01/06/2012

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## Results of **SB03 (1.5-2.5)**

Client Sample ID: **SB03 (1.5-2.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150006-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.60

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 18.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Dimethyl phthalate | ND | U | 25.6 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 2,4-Dimethylphenol | ND | U | 24.4 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Diphenylamine | ND | U | 15.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Fluoranthene | ND | U | 31.3 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Fluorene | ND | U | 17.7 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Hexachlorobenzene | ND | U | 31.5 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Hexachlorobutadiene | ND | U | 19.9 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Hexachlorocyclopentadiene | ND | U | 101 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Hexachloroethane | ND | U | 19.2 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Indeno(1,2,3-cd)pyrene | ND | U | 26.0 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Isophorone | ND | U | 15.1 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Naphthalene | ND | U | 28.8 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 4-Nitroaniline | ND | U | 19.2 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Nitrobenzene | ND | U | 19.2 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| 4-Nitrophenol | ND | U | 32.8 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Pentachlorophenol | ND | U | 26.6 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Phenanthrene | ND | U | 21.9 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Phenol | ND | U | 31.1 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Pyrene | ND | U | 14.1 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| n-Nitrosodi-n-propylamine | ND | U | 95.4 | 333 | ug/Kg | 1 | 08/21/2011 15:58 |
| Unknown | **993** | TIC | | | ug/Kg | 1 | 08/21/2011 15:58 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 58.0 | | | 41.0-129 | % | 1 | 08/21/2011 15:58 |
| 2-Fluorobiphenyl | 68.0 | | | 48.0-123 | % | 1 | 08/21/2011 15:58 |
| 2-Fluorophenol | 71.0 | | | 42.0-123 | % | 1 | 08/21/2011 15:58 |
| Nitrobenzene-d5 | 77.0 | | | 46.0-117 | % | 1 | 08/21/2011 15:58 |
| Phenol-d6 | 72.0 | | | 48.0-125 | % | 1 | 08/21/2011 15:58 |
| Terphenyl-d14 | 68.0 | | | 44.0-140 | % | 1 | 08/21/2011 15:58 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 15:58**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.8 g**
Prep Extract Vol: **10 mL**



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## Results of **SB03 (1.5-2.5)**

Client Sample ID: **SB03 (1.5-2.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150006-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.60

## Results by **SW-846 8270D-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| 2-Methylnaphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Acenaphthene | ND | U | 2.06 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Acenaphthylene | ND | U | 2.00 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Anthracene | ND | U | 1.93 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Benzo(a)anthracene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Benzo(a)pyrene | ND | U | 1.86 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Benzo(b)fluoranthene | ND | U | 1.96 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Benzo(g,h,i)perylene | ND | U | 2.15 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Benzo(k)fluoranthene | ND | U | 2.31 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Chrysene | ND | U | 2.20 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Dibenz(a,h)anthracene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Fluoranthene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Fluorene | ND | U | 2.44 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.02 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Naphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Phenanthrene | ND | U | 1.99 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| Pyrene | ND | U | 2.01 | 5.00 | ug/L | 1 | 08/21/2011 0:20 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 91.6 | | | 29.3-152 | % | 1 | 08/21/2011 0:20 |
| 2-Fluorobiphenyl | 88.8 | | | 50.0-107 | % | 1 | 08/21/2011 0:20 |
| 2-Fluorophenol | 87.0 | | | 33.1-118 | % | 1 | 08/21/2011 0:20 |
| Nitrobenzene-d5 | 97.3 | | | 46.0-118 | % | 1 | 08/21/2011 0:20 |
| Phenol-d6 | 90.6 | | | 49.0-120 | % | 1 | 08/21/2011 0:20 |
| Terphenyl-d14 | 93.6 | | | 22.1-142 | % | 1 | 08/21/2011 0:20 |

## Batch Information

Analytical Batch: **XMS1208**
Analytical Method: **SW-846 8270D-SPLP**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 00:20**

Prep Batch: **XXX1675**
Prep Method: **SW-846 3520C**
Prep Date/Time: **08/18/2011 17:15**
Prep Initial Wt./Vol.: **100 mL**
Prep Extract Vol: **5 mL**



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## Results of **SB03 (1.5-2.5)**

Client Sample ID: **SB03 (1.5-2.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150006-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.60

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.515 | 4.12 | mg/kg | 1 | 08/16/2011 16:06 |
| Silver | ND | U | 0.115 | 1.03 | mg/kg | 1 | 08/16/2011 16:06 |
| Arsenic | ND | U | 0.376 | 1.03 | mg/kg | 1 | 08/16/2011 16:06 |
| Chromium | **1.72** | | 0.247 | 1.03 | mg/kg | 1 | 08/16/2011 16:06 |
| Copper | **4.83** | | 0.0833 | 1.03 | mg/kg | 1 | 08/16/2011 16:06 |
| Lead | **20.9** | | 0.821 | 1.03 | mg/kg | 1 | 08/16/2011 16:06 |
| Manganese | **11.0** | | 0.392 | 1.03 | mg/kg | 1 | 08/16/2011 16:06 |
| Nickel | **0.435** | J | 0.397 | 1.03 | mg/kg | 1 | 08/16/2011 16:06 |
| Selenium | ND | U | 0.400 | 2.06 | mg/kg | 1 | 08/16/2011 16:06 |
| Zinc | **25.5** | | 1.15 | 2.06 | mg/kg | 1 | 08/16/2011 16:06 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 16:06**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**



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## Results of **SB03 (1.5-2.5)**

Client Sample ID: **SB03 (1.5-2.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150006-H
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.60

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.0270** | | 0.000927 | 0.0206 | mg/kg | 1 | 08/16/2011 16:08 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:08**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**



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## Results of **SB03 (1.5-2.5)**

Client Sample ID: **SB03 (1.5-2.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150006-H
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.60

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0183 | 0.103 | mg/kg | 10 | 08/19/2011 12:17 |
| Cadmium | **0.330** | | 0.0183 | 0.103 | mg/kg | 10 | 08/19/2011 12:17 |
| Thallium | ND | U | 0.0252 | 0.103 | mg/kg | 10 | 08/19/2011 12:17 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:17**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**



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Results of **SB04 (2.0-3.0)**

Client Sample ID: **SB04 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150007-A
Lab Project ID: 31102150

Collection Date: 08/11/2011 12:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 77.90

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.32 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,1,1-Trichloroethane | ND | U | 0.969 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.41 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,1,2-Trichloroethane | ND | U | 1.30 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,1-Dichloroethane | ND | U | 1.08 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,1-Dichloroethene | ND | U | 1.13 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,1-Dichloropropene | ND | U | 1.15 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,2,3-Trichlorobenzene | ND | U | 1.73 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,2,3-Trichloropropane | ND | U | 1.38 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,2,4-Trichlorobenzene | ND | U | 1.48 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,2,4-Trimethylbenzene | ND | U | 1.33 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,2-Dibromo-3-chloropropane | ND | U | 7.24 | 37.4 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,2-Dibromoethane | ND | U | 0.944 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,2-Dichlorobenzene | ND | U | 1.61 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,2-Dichloroethane | ND | U | 1.10 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,2-Dichloropropane | ND | U | 1.00 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,3,5-Trimethylbenzene | ND | U | 1.23 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,3-Dichlorobenzene | ND | U | 1.45 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,3-Dichloropropane | ND | U | 1.00 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 1,4-Dichlorobenzene | ND | U | 1.37 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 2,2-Dichloropropane | ND | U | 1.04 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 2-Butanone | **16.0** | J | 1.94 | 31.1 | ug/Kg | 1 | 08/16/2011 17:43 |
| 2-Chlorotoluene | ND | U | 1.40 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 2-Hexanone | ND | U | 2.43 | 15.6 | ug/Kg | 1 | 08/16/2011 17:43 |
| 4-Chlorotoluene | ND | U | 1.38 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 4-Isopropyltoluene | ND | U | 1.30 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| 4-Methyl-2-pentanone | ND | U | 4.00 | 15.6 | ug/Kg | 1 | 08/16/2011 17:43 |
| Acetone | **135** | | 1.54 | 62.3 | ug/Kg | 1 | 08/16/2011 17:43 |
| Benzene | ND | U | 1.11 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Bromobenzene | ND | U | 1.23 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Bromochloromethane | ND | U | 1.09 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Bromodichloromethane | ND | U | 1.01 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Bromoform | ND | U | 0.834 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Bromomethane | ND | U | 2.19 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| n-Butylbenzene | ND | U | 1.35 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Carbon disulfide | ND | U | 1.08 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Carbon tetrachloride | ND | U | 1.08 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Chlorobenzene | ND | U | 0.964 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Chloroethane | ND | U | 0.573 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Chloroform | ND | U | 1.01 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Chloromethane | ND | U | 0.903 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Dibromochloromethane | ND | U | 1.06 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Dibromomethane | ND | U | 1.01 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |



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## Results of **SB04 (2.0-3.0)**

Client Sample ID: **SB04 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150007-A
Lab Project ID: 31102150

Collection Date: 08/11/2011 12:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 77.90

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.906 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| cis-1,3-Dichloropropene | ND | U | 1.07 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| trans-1,3-Dichloropropene | ND | U | 1.12 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Diisopropyl Ether | ND | U | 1.12 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Ethyl Benzene | ND | U | 1.03 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Hexachlorobutadiene | ND | U | 1.71 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Isopropylbenzene (Cumene) | ND | U | 1.20 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Methyl iodide | ND | U | 1.05 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Methylene chloride | ND | U | 0.870 | 24.9 | ug/Kg | 1 | 08/16/2011 17:43 |
| Naphthalene | ND | U | 1.51 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Styrene | ND | U | 1.23 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Tetrachloroethene | **3.96** | J | 0.937 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Toluene | ND | U | 1.01 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Trichloroethene | ND | U | 1.04 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Trichlorofluoromethane | ND | U | 0.939 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| Vinyl chloride | ND | U | 0.917 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| cis-1,2-Dichloroethene | ND | U | 0.966 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| m,p-Xylene | ND | U | 2.21 | 12.5 | ug/Kg | 1 | 08/16/2011 17:43 |
| n-Propylbenzene | ND | U | 1.21 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| o-Xylene | ND | U | 1.26 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| sec-Butylbenzene | ND | U | 1.30 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| tert-Butyl methyl ether (MTBE) | ND | U | 1.06 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| tert-Butylbenzene | ND | U | 1.13 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| trans-1,2-Dichloroethene | ND | U | 1.07 | 6.23 | ug/Kg | 1 | 08/16/2011 17:43 |
| trans-1,4-Dichloro-2-butene | ND | U | 6.74 | 31.1 | ug/Kg | 1 | 08/16/2011 17:43 |
| Unknown | **11.2** | TIC | | | ug/Kg | 1 | 08/16/2011 17:43 |
| Unknown | **4.98** | TIC | | | ug/Kg | 1 | 08/16/2011 17:43 |
| Unknown | **4.86** | TIC | | | ug/Kg | 1 | 08/16/2011 17:43 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 124 | | | 55.0-173 | % | 1 | 08/16/2011 17:43 |
| 4-Bromofluorobenzene | 66.0 | | | 23.0-141 | % | 1 | 08/16/2011 17:43 |
| Toluene d8 | 118 | | | 57.0-134 | % | 1 | 08/16/2011 17:43 |

## Batch Information

Analytical Batch: **VMS1465**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **08/16/2011 17:43**

Prep Batch: **VXX1940**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/16/2011 08:00**
Prep Initial Wt./Vol.: **5.15 g**
Prep Extract Vol: **5 mL**



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Results of **SB04 (2.0-3.0)**

Client Sample ID: **SB04 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150007-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 12:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 77.90

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 35.3 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 1,2-Dichlorobenzene | ND | U | 20.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 1,3-Dichlorobenzene | ND | U | 27.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 1,4-Dichlorobenzene | ND | U | 28.3 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2,4,5-Trichlorophenol | ND | U | 26.7 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2,4,6-Trichlorophenol | ND | U | 27.1 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2,4-Dichlorophenol | ND | U | 23.2 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2,4-Dinitrophenol | ND | U | 37.1 | 800 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2,4-Dinitrotoluene | ND | U | 20.2 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2,6-Dinitrotoluene | ND | U | 28.7 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2-Chloronaphthalene | ND | U | 23.5 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2-Chlorophenol | ND | U | 21.2 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2-Methylnaphthalene | ND | U | 32.4 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2-Methylphenol | ND | U | 22.1 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2-Nitroaniline | ND | U | 26.4 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2-Nitrophenol | ND | U | 19.2 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 3 and/or 4-Methylphenol | ND | U | 26.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 3,3'-Dichlorobenzidine | ND | U | 19.2 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 3-Nitroaniline | ND | U | 18.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 4,6-Dinitro-2-methylphenol | ND | U | 18.8 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 4-Chloro-3-methylphenol | ND | U | 20.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 4-Chloroaniline | ND | U | 32.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 4-Chlorophenyl phenyl ether | ND | U | 42.7 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Acenaphthene | ND | U | 18.2 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Acenaphthylene | ND | U | 16.9 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Anthracene | ND | U | 17.8 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Benzo(a)anthracene | **51.9** | J | 22.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Benzo(a)pyrene | **59.9** | J | 22.7 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Benzo(b)fluoranthene | **71.9** | J | 23.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Benzo(g,h,i)perylene | ND | U | 63.7 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Benzo(k)fluoranthene | ND | U | 48.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Benzoic acid | ND | U | 8.88 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Bis(2-Chloroethoxy)methane | ND | U | 18.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Bis(2-Chloroethyl)ether | ND | U | 37.4 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Bis(2-Chloroisopropyl)ether | ND | U | 34.9 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 19.2 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 4-Bromophenyl phenyl ether | ND | U | 26.4 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Butyl benzyl phthalate | ND | U | 34.8 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Chrysene | **59.9** | J | 46.6 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Di-n-butyl phthalate | ND | U | 18.9 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Di-n-octyl phthalate | ND | U | 22.1 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Dibenz(a,h)anthracene | ND | U | 18.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Dibenzofuran | ND | U | 31.4 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |



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## Results of **SB04 (2.0-3.0)**

Client Sample ID: **SB04 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150007-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 12:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 77.90

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 21.6 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Dimethyl phthalate | ND | U | 30.7 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 2,4-Dimethylphenol | ND | U | 29.3 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Diphenylamine | ND | U | 18.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Fluoranthene | **75.9** | J | 37.6 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Fluorene | ND | U | 21.2 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Hexachlorobenzene | ND | U | 37.9 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Hexachlorobutadiene | ND | U | 23.9 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Hexachlorocyclopentadiene | ND | U | 121 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Hexachloroethane | ND | U | 23.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Indeno(1,2,3-cd)pyrene | ND | U | 31.2 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Isophorone | ND | U | 18.2 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Naphthalene | ND | U | 34.6 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 4-Nitroaniline | ND | U | 23.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Nitrobenzene | ND | U | 23.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| 4-Nitrophenol | ND | U | 39.4 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Pentachlorophenol | ND | U | 32.0 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Phenanthrene | **39.9** | J | 26.4 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Phenol | ND | U | 37.4 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| Pyrene | **79.9** | J | 16.9 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| n-Nitrosodi-n-propylamine | ND | U | 115 | 401 | ug/Kg | 1 | 08/21/2011 16:22 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 66.0 | | | 41.0-129 | % | 1 | 08/21/2011 16:22 |
| 2-Fluorobiphenyl | 71.0 | | | 48.0-123 | % | 1 | 08/21/2011 16:22 |
| 2-Fluorophenol | 83.0 | | | 42.0-123 | % | 1 | 08/21/2011 16:22 |
| Nitrobenzene-d5 | 89.0 | | | 46.0-117 | % | 1 | 08/21/2011 16:22 |
| Phenol-d6 | 85.0 | | | 48.0-125 | % | 1 | 08/21/2011 16:22 |
| Terphenyl-d14 | 75.0 | | | 44.0-140 | % | 1 | 08/21/2011 16:22 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 16:22**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.09 g**
Prep Extract Vol: **10 mL**

Print Date: 01/06/2012

N.C. Certification # 481

## Results of **SB04 (2.0-3.0)**

Client Sample ID: **SB04 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150007-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 12:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 77.90

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.605 | 4.84 | mg/kg | 1 | 08/16/2011 16:13 |
| Silver | **0.460** | J | 0.136 | 1.21 | mg/kg | 1 | 08/16/2011 16:13 |
| Arsenic | **2.74** | | 0.442 | 1.21 | mg/kg | 1 | 08/16/2011 16:13 |
| Chromium | **11.2** | | 0.291 | 1.21 | mg/kg | 1 | 08/16/2011 16:13 |
| Copper | **95.4** | | 0.0979 | 1.21 | mg/kg | 1 | 08/16/2011 16:13 |
| Lead | **577** | | 9.65 | 12.1 | mg/kg | 10 | 08/17/2011 11:33 |
| Manganese | **325** | | 4.61 | 12.1 | mg/kg | 10 | 08/17/2011 11:33 |
| Nickel | **3.89** | | 0.466 | 1.21 | mg/kg | 1 | 08/16/2011 16:13 |
| Selenium | **0.677** | J | 0.470 | 2.42 | mg/kg | 1 | 08/16/2011 16:13 |
| Zinc | **234** | | 13.6 | 24.2 | mg/kg | 10 | 08/17/2011 11:33 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 16:13**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 11:33**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**



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## Results of **SB04 (2.0-3.0)**

Client Sample ID: **SB04 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150007-F
Lab Project ID: 31102150

Collection Date: 08/11/2011 12:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 77.90

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **2.69** | | 0.00109 | 0.0242 | mg/kg | 1 | 08/16/2011 16:10 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:10**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**



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## Results of **SB04 (2.0-3.0)**

Client Sample ID: **SB04 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150007-F
Lab Project ID: 31102150

Collection Date: 08/11/2011 12:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 77.90

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | **0.0484** | J | 0.0215 | 0.121 | mg/kg | 10 | 08/19/2011 12:19 |
| Cadmium | **0.218** | | 0.0215 | 0.121 | mg/kg | 10 | 08/19/2011 12:19 |
| Thallium | ND | U | 0.0297 | 0.121 | mg/kg | 10 | 08/19/2011 12:19 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:19**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**



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Results of **SB05 (2.0-3.0)**

Client Sample ID: **SB05 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150008-B
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 94.60

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 0.949 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,1,1-Trichloroethane | ND | U | 0.697 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.01 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,1,2-Trichloroethane | ND | U | 0.931 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,1-Dichloroethane | ND | U | 0.773 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,1-Dichloroethene | ND | U | 0.809 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,1-Dichloropropene | ND | U | 0.826 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,2,3-Trichlorobenzene | ND | U | 1.24 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,2,3-Trichloropropane | ND | U | 0.994 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,2,4-Trichlorobenzene | ND | U | 1.07 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,2,4-Trimethylbenzene | ND | U | 0.958 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.20 | 26.9 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,2-Dibromoethane | ND | U | 0.679 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,2-Dichlorobenzene | ND | U | 1.16 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,2-Dichloroethane | ND | U | 0.793 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,2-Dichloropropane | ND | U | 0.721 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,3,5-Trimethylbenzene | ND | U | 0.881 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,3-Dichlorobenzene | ND | U | 1.04 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,3-Dichloropropane | ND | U | 0.722 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 1,4-Dichlorobenzene | ND | U | 0.985 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 2,2-Dichloropropane | ND | U | 0.747 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 2-Butanone | ND | U | 1.40 | 22.4 | ug/Kg | 1 | 08/18/2011 18:49 |
| 2-Chlorotoluene | ND | U | 1.00 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 2-Hexanone | ND | U | 1.75 | 11.2 | ug/Kg | 1 | 08/18/2011 18:49 |
| 4-Chlorotoluene | ND | U | 0.994 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 4-Isopropyltoluene | ND | U | 0.931 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| 4-Methyl-2-pentanone | ND | U | 2.87 | 11.2 | ug/Kg | 1 | 08/18/2011 18:49 |
| Acetone | **5.34** | J | 1.11 | 44.8 | ug/Kg | 1 | 08/18/2011 18:49 |
| Benzene | ND | U | 0.800 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Bromobenzene | ND | U | 0.883 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Bromochloromethane | ND | U | 0.782 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Bromodichloromethane | ND | U | 0.728 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Bromoform | ND | U | 0.599 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Bromomethane | ND | U | 1.58 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| n-Butylbenzene | ND | U | 0.967 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Carbon disulfide | ND | U | 0.774 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Carbon tetrachloride | ND | U | 0.779 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Chlorobenzene | ND | U | 0.693 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Chloroethane | ND | U | 0.412 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Chloroform | ND | U | 0.727 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Chloromethane | ND | U | 0.649 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Dibromochloromethane | ND | U | 0.759 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Dibromomethane | ND | U | 0.727 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |



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## Results of **SB05 (2.0-3.0)**

Client Sample ID: **SB05 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150008-B
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 94.60

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.651 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| cis-1,3-Dichloropropene | ND | U | 0.771 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| trans-1,3-Dichloropropene | ND | U | 0.802 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Diisopropyl Ether | ND | U | 0.804 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Ethyl Benzene | ND | U | 0.741 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Hexachlorobutadiene | ND | U | 1.23 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Isopropylbenzene (Cumene) | ND | U | 0.862 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Methyl iodide | ND | U | 0.758 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Methylene chloride | **2.59** | J | 0.625 | 17.9 | ug/Kg | 1 | 08/18/2011 18:49 |
| Naphthalene | ND | U | 1.08 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Styrene | ND | U | 0.883 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Tetrachloroethene | **29.5** | | 0.673 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Toluene | ND | U | 0.725 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Trichloroethene | ND | U | 0.750 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Trichlorofluoromethane | ND | U | 0.675 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| Vinyl chloride | ND | U | 0.659 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| cis-1,2-Dichloroethene | ND | U | 0.694 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| m,p-Xylene | ND | U | 1.59 | 8.96 | ug/Kg | 1 | 08/18/2011 18:49 |
| n-Propylbenzene | ND | U | 0.873 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| o-Xylene | ND | U | 0.904 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| sec-Butylbenzene | ND | U | 0.931 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.763 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| tert-Butylbenzene | ND | U | 0.811 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| trans-1,2-Dichloroethene | ND | U | 0.771 | 4.48 | ug/Kg | 1 | 08/18/2011 18:49 |
| trans-1,4-Dichloro-2-butene | ND | U | 4.84 | 22.4 | ug/Kg | 1 | 08/18/2011 18:49 |
| Unknown | **4.57** | TIC | | | ug/Kg | 1 | 08/18/2011 18:49 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 125 | | | 55.0-173 | % | 1 | 08/18/2011 18:49 |
| 4-Bromofluorobenzene | 88.0 | | | 23.0-141 | % | 1 | 08/18/2011 18:49 |
| Toluene d8 | 95.0 | | | 57.0-134 | % | 1 | 08/18/2011 18:49 |

## Batch Information

Analytical Batch: **VMS1467**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **08/18/2011 18:49**

Prep Batch: **VXX1943**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/18/2011 08:00**
Prep Initial Wt./Vol.: **5.9 g**
Prep Extract Vol: **5 mL**



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Results of **SB05 (2.0-3.0)**

Client Sample ID: **SB05 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150008-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 94.60

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 28.4 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 1,2-Dichlorobenzene | ND | U | 16.1 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 1,3-Dichlorobenzene | ND | U | 21.7 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 1,4-Dichlorobenzene | ND | U | 22.8 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2,4,5-Trichlorophenol | ND | U | 21.5 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2,4,6-Trichlorophenol | ND | U | 21.8 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2,4-Dichlorophenol | ND | U | 18.7 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2,4-Dinitrophenol | ND | U | 29.9 | 644 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2,4-Dinitrotoluene | ND | U | 16.3 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2,6-Dinitrotoluene | ND | U | 23.1 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2-Chloronaphthalene | ND | U | 19.0 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2-Chlorophenol | ND | U | 17.1 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2-Methylnaphthalene | ND | U | 26.1 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2-Methylphenol | ND | U | 17.8 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2-Nitroaniline | ND | U | 21.2 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2-Nitrophenol | ND | U | 15.5 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 3 and/or 4-Methylphenol | ND | U | 20.9 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 3,3'-Dichlorobenzidine | ND | U | 15.5 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 3-Nitroaniline | ND | U | 14.5 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 4,6-Dinitro-2-methylphenol | ND | U | 15.2 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 4-Chloro-3-methylphenol | ND | U | 16.1 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 4-Chloroaniline | ND | U | 25.8 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 4-Chlorophenyl phenyl ether | ND | U | 34.4 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Acenaphthene | ND | U | 14.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Acenaphthylene | ND | U | 13.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Anthracene | ND | U | 14.3 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Benzo(a)anthracene | ND | U | 17.7 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Benzo(a)pyrene | ND | U | 18.2 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Benzo(b)fluoranthene | ND | U | 18.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Benzo(g,h,i)perylene | ND | U | 51.3 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Benzo(k)fluoranthene | ND | U | 38.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Benzoic acid | ND | U | 7.15 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Bis(2-Chloroethoxy)methane | ND | U | 14.5 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Bis(2-Chloroethyl)ether | ND | U | 30.1 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Bis(2-Chloroisopropyl)ether | ND | U | 28.1 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 15.5 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 4-Bromophenyl phenyl ether | ND | U | 21.2 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Butyl benzyl phthalate | ND | U | 28.0 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Chrysene | ND | U | 37.5 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Di-n-butyl phthalate | ND | U | 15.3 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Di-n-octyl phthalate | ND | U | 17.8 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Dibenz(a,h)anthracene | ND | U | 14.5 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Dibenzofuran | ND | U | 25.3 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |

Print Date: 01/06/2012

N.C. Certification # 481

## Results of **SB05 (2.0-3.0)**

Client Sample ID: **SB05 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150008-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 94.60

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 17.4 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Dimethyl phthalate | ND | U | 24.7 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 2,4-Dimethylphenol | ND | U | 23.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Diphenylamine | ND | U | 14.5 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Fluoranthene | ND | U | 30.3 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Fluorene | ND | U | 17.1 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Hexachlorobenzene | ND | U | 30.5 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Hexachlorobutadiene | ND | U | 19.3 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Hexachlorocyclopentadiene | ND | U | 97.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Hexachloroethane | ND | U | 18.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Indeno(1,2,3-cd)pyrene | ND | U | 25.1 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Isophorone | ND | U | 14.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Naphthalene | ND | U | 27.8 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 4-Nitroaniline | ND | U | 18.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Nitrobenzene | ND | U | 18.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| 4-Nitrophenol | ND | U | 31.7 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Pentachlorophenol | ND | U | 25.8 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Phenanthrene | ND | U | 21.2 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Phenol | ND | U | 30.1 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| Pyrene | ND | U | 13.6 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| n-Nitrosodi-n-propylamine | ND | U | 92.3 | 323 | ug/Kg | 1 | 08/21/2011 16:45 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 57.0 | | | 41.0-129 | % | 1 | 08/21/2011 16:45 |
| 2-Fluorobiphenyl | 71.0 | | | 48.0-123 | % | 1 | 08/21/2011 16:45 |
| 2-Fluorophenol | 72.0 | | | 42.0-123 | % | 1 | 08/21/2011 16:45 |
| Nitrobenzene-d5 | 78.0 | | | 46.0-117 | % | 1 | 08/21/2011 16:45 |
| Phenol-d6 | 73.0 | | | 48.0-125 | % | 1 | 08/21/2011 16:45 |
| Terphenyl-d14 | 71.0 | | | 44.0-140 | % | 1 | 08/21/2011 16:45 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 16:45**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.81 g**
Prep Extract Vol: **10 mL**



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## Results of **SB05 (2.0-3.0)**

Client Sample ID: **SB05 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150008-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 94.60

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.508 | 4.06 | mg/kg | 1 | 08/16/2011 16:20 |
| Silver | **0.131** | J | 0.114 | 1.02 | mg/kg | 1 | 08/16/2011 16:20 |
| Arsenic | ND | U | 0.371 | 1.02 | mg/kg | 1 | 08/16/2011 16:20 |
| Chromium | **2.23** | | 0.244 | 1.02 | mg/kg | 1 | 08/16/2011 16:20 |
| Copper | **5.35** | | 0.0822 | 1.02 | mg/kg | 1 | 08/16/2011 16:20 |
| Lead | **121** | | 8.10 | 10.2 | mg/kg | 10 | 08/17/2011 11:40 |
| Manganese | **11.5** | | 0.387 | 1.02 | mg/kg | 1 | 08/16/2011 16:20 |
| Nickel | **0.403** | J | 0.391 | 1.02 | mg/kg | 1 | 08/16/2011 16:20 |
| Selenium | ND | U | 0.394 | 2.03 | mg/kg | 1 | 08/16/2011 16:20 |
| Zinc | **306** | | 11.4 | 20.3 | mg/kg | 10 | 08/17/2011 11:40 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 16:20**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.52 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 11:40**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.52 g**
Prep Extract Vol: **50 mL**



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## Results of **SB05 (2.0-3.0)**

Client Sample ID: **SB05 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150008-F
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 94.60

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.137** | | 0.000834 | 0.0185 | mg/kg | 1 | 08/16/2011 16:12 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:12**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**



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## Results of **SB05 (2.0-3.0)**

Client Sample ID: **SB05 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150008-F
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:15
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 94.60

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0181 | 0.102 | mg/kg | 10 | 08/19/2011 12:22 |
| Cadmium | **0.0610** | J | 0.0181 | 0.102 | mg/kg | 10 | 08/19/2011 12:22 |
| Thallium | ND | U | 0.0249 | 0.102 | mg/kg | 10 | 08/19/2011 12:22 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:22**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.52 g**
Prep Extract Vol: **50 mL**



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Results of **SB06 (2.0-3.0)**

Client Sample ID: **SB06 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150009-A
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.08 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,1,1-Trichloroethane | ND | U | 0.795 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.16 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,1,2-Trichloroethane | ND | U | 1.06 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,1-Dichloroethane | ND | U | 0.882 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,1-Dichloroethene | ND | U | 0.923 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,1-Dichloropropene | ND | U | 0.942 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,2,3-Trichlorobenzene | ND | U | 1.42 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,2,3-Trichloropropane | ND | U | 1.13 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,2,4-Trichlorobenzene | ND | U | 1.22 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,2,4-Trimethylbenzene | ND | U | 1.09 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.94 | 30.7 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,2-Dibromoethane | ND | U | 0.775 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,2-Dichlorobenzene | ND | U | 1.32 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,2-Dichloroethane | ND | U | 0.906 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,2-Dichloropropane | ND | U | 0.823 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,3,5-Trimethylbenzene | ND | U | 1.01 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,3-Dichlorobenzene | ND | U | 1.19 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,3-Dichloropropane | ND | U | 0.824 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 1,4-Dichlorobenzene | ND | U | 1.12 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 2,2-Dichloropropane | ND | U | 0.853 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 2-Butanone | ND | U | 1.59 | 25.6 | ug/Kg | 1 | 08/17/2011 0:08 |
| 2-Chlorotoluene | ND | U | 1.14 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 2-Hexanone | ND | U | 1.99 | 12.8 | ug/Kg | 1 | 08/17/2011 0:08 |
| 4-Chlorotoluene | ND | U | 1.13 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 4-Isopropyltoluene | ND | U | 1.06 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| 4-Methyl-2-pentanone | ND | U | 3.28 | 12.8 | ug/Kg | 1 | 08/17/2011 0:08 |
| Acetone | ND | U | 1.27 | 51.1 | ug/Kg | 1 | 08/17/2011 0:08 |
| Benzene | ND | U | 0.913 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Bromobenzene | ND | U | 1.01 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Bromochloromethane | ND | U | 0.892 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Bromodichloromethane | ND | U | 0.831 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Bromoform | ND | U | 0.684 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Bromomethane | ND | U | 1.80 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| n-Butylbenzene | ND | U | 1.10 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Carbon disulfide | ND | U | 0.883 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Carbon tetrachloride | ND | U | 0.889 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Chlorobenzene | ND | U | 0.791 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Chloroethane | ND | U | 0.470 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Chloroform | ND | U | 0.830 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Chloromethane | ND | U | 0.741 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Dibromochloromethane | ND | U | 0.866 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Dibromomethane | ND | U | 0.830 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |



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## Results of **SB06 (2.0-3.0)**

Client Sample ID: **SB06 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150009-A
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.743 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| cis-1,3-Dichloropropene | ND | U | 0.880 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| trans-1,3-Dichloropropene | ND | U | 0.916 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Diisopropyl Ether | ND | U | 0.918 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Ethyl Benzene | ND | U | 0.845 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Hexachlorobutadiene | ND | U | 1.40 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Isopropylbenzene (Cumene) | ND | U | 0.984 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Methyl iodide | ND | U | 0.865 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Methylene chloride | **9.77** | J | 0.714 | 20.4 | ug/Kg | 1 | 08/17/2011 0:08 |
| Naphthalene | ND | U | 1.24 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Styrene | ND | U | 1.01 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Tetrachloroethene | **51.1** | | 0.769 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Toluene | ND | U | 0.828 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Trichloroethene | ND | U | 0.856 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Trichlorofluoromethane | ND | U | 0.771 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| Vinyl chloride | ND | U | 0.752 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| cis-1,2-Dichloroethene | ND | U | 0.792 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| m,p-Xylene | ND | U | 1.81 | 10.2 | ug/Kg | 1 | 08/17/2011 0:08 |
| n-Propylbenzene | ND | U | 0.997 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| o-Xylene | ND | U | 1.03 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| sec-Butylbenzene | ND | U | 1.06 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.871 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| tert-Butylbenzene | ND | U | 0.926 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| trans-1,2-Dichloroethene | ND | U | 0.880 | 5.11 | ug/Kg | 1 | 08/17/2011 0:08 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.53 | 25.6 | ug/Kg | 1 | 08/17/2011 0:08 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 116 | | | 55.0-173 | % | 1 | 08/17/2011 0:08 |
| 4-Bromofluorobenzene | 84.0 | | | 23.0-141 | % | 1 | 08/17/2011 0:08 |
| Toluene d8 | 101 | | | 57.0-134 | % | 1 | 08/17/2011 0:08 |

## Batch Information

Analytical Batch: **VMS1465**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **08/17/2011 00:08**

Prep Batch: **VXX1940**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/16/2011 08:00**
Prep Initial Wt./Vol.: **5.24 g**
Prep Extract Vol: **5 mL**

Print Date: 01/06/2012

N.C. Certification # 481

Results of **SB06 (2.0-3.0)**

Client Sample ID: **SB06 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150009-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 29.3 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 1,2-Dichlorobenzene | ND | U | 16.6 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 1,3-Dichlorobenzene | ND | U | 22.4 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 1,4-Dichlorobenzene | ND | U | 23.5 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2,4,5-Trichlorophenol | ND | U | 22.2 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2,4,6-Trichlorophenol | ND | U | 22.5 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2,4-Dichlorophenol | ND | U | 19.2 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2,4-Dinitrophenol | ND | U | 30.8 | 664 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2,4-Dinitrotoluene | ND | U | 16.8 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2,6-Dinitrotoluene | ND | U | 23.8 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2-Chloronaphthalene | ND | U | 19.5 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2-Chlorophenol | ND | U | 17.6 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2-Methylnaphthalene | ND | U | 26.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2-Methylphenol | ND | U | 18.4 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2-Nitroaniline | ND | U | 21.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2-Nitrophenol | ND | U | 15.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 3 and/or 4-Methylphenol | ND | U | 21.6 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 3,3'-Dichlorobenzidine | ND | U | 15.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 3-Nitroaniline | ND | U | 15.0 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 4,6-Dinitro-2-methylphenol | ND | U | 15.6 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 4-Chloro-3-methylphenol | ND | U | 16.6 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 4-Chloroaniline | ND | U | 26.5 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 4-Chlorophenyl phenyl ether | ND | U | 35.5 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Acenaphthene | ND | U | 15.1 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Acenaphthylene | ND | U | 14.0 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Anthracene | ND | U | 14.8 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Benzo(a)anthracene | ND | U | 18.3 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Benzo(a)pyrene | ND | U | 18.8 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Benzo(b)fluoranthene | ND | U | 19.1 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Benzo(g,h,i)perylene | ND | U | 52.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Benzo(k)fluoranthene | ND | U | 39.8 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Benzoic acid | ND | U | 7.37 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Bis(2-Chloroethoxy)methane | ND | U | 15.0 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Bis(2-Chloroethyl)ether | ND | U | 31.0 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Bis(2-Chloroisopropyl)ether | ND | U | 29.0 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 15.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 4-Bromophenyl phenyl ether | ND | U | 21.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Butyl benzyl phthalate | ND | U | 28.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Chrysene | ND | U | 38.6 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Di-n-butyl phthalate | ND | U | 15.7 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Di-n-octyl phthalate | ND | U | 18.4 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Dibenz(a,h)anthracene | ND | U | 15.0 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Dibenzofuran | ND | U | 26.0 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |



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## Results of **SB06 (2.0-3.0)**

Client Sample ID: **SB06 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150009-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 17.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Dimethyl phthalate | ND | U | 25.5 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 2,4-Dimethylphenol | ND | U | 24.3 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Diphenylamine | ND | U | 15.0 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Fluoranthene | ND | U | 31.2 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Fluorene | ND | U | 17.6 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Hexachlorobenzene | ND | U | 31.4 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Hexachlorobutadiene | ND | U | 19.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Hexachlorocyclopentadiene | ND | U | 101 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Hexachloroethane | ND | U | 19.1 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Indeno(1,2,3-cd)pyrene | ND | U | 25.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Isophorone | ND | U | 15.1 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Naphthalene | ND | U | 28.7 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 4-Nitroaniline | ND | U | 19.1 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Nitrobenzene | ND | U | 19.1 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| 4-Nitrophenol | ND | U | 32.7 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Pentachlorophenol | ND | U | 26.5 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Phenanthrene | ND | U | 21.9 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Phenol | ND | U | 31.0 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Pyrene | ND | U | 14.0 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| n-Nitrosodi-n-propylamine | ND | U | 95.1 | 332 | ug/Kg | 1 | 08/21/2011 17:08 |
| Unknown | **827** | TIC | | | ug/Kg | 1 | 08/21/2011 17:08 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 70.0 | | | 41.0-129 | % | 1 | 08/21/2011 17:08 |
| 2-Fluorobiphenyl | 79.0 | | | 48.0-123 | % | 1 | 08/21/2011 17:08 |
| 2-Fluorophenol | 81.0 | | | 42.0-123 | % | 1 | 08/21/2011 17:08 |
| Nitrobenzene-d5 | 89.0 | | | 46.0-117 | % | 1 | 08/21/2011 17:08 |
| Phenol-d6 | 82.0 | | | 48.0-125 | % | 1 | 08/21/2011 17:08 |
| Terphenyl-d14 | 79.0 | | | 44.0-140 | % | 1 | 08/21/2011 17:08 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 17:08**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.29 g**
Prep Extract Vol: **10 mL**



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## Results of **SB06 (2.0-3.0)**

Client Sample ID: **SB06 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150009-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.462 | 3.69 | mg/kg | 1 | 08/16/2011 16:26 |
| Silver | ND | U | 0.103 | 0.924 | mg/kg | 1 | 08/16/2011 16:26 |
| Arsenic | ND | U | 0.337 | 0.924 | mg/kg | 1 | 08/16/2011 16:26 |
| Chromium | **0.409** | J | 0.222 | 0.924 | mg/kg | 1 | 08/16/2011 16:26 |
| Copper | **1.41** | | 0.0747 | 0.924 | mg/kg | 1 | 08/16/2011 16:26 |
| Lead | **1.79** | | 0.736 | 0.924 | mg/kg | 1 | 08/16/2011 16:26 |
| Manganese | **1.66** | | 0.352 | 0.924 | mg/kg | 1 | 08/16/2011 16:26 |
| Nickel | ND | U | 0.356 | 0.924 | mg/kg | 1 | 08/16/2011 16:26 |
| Selenium | ND | U | 0.358 | 1.85 | mg/kg | 1 | 08/16/2011 16:26 |
| Zinc | **11.0** | | 1.03 | 1.85 | mg/kg | 1 | 08/16/2011 16:26 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 16:26**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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## Results of **SB06 (2.0-3.0)**

Client Sample ID: **SB06 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150009-F
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.00227** | J | 0.000817 | 0.0182 | mg/kg | 1 | 08/16/2011 16:19 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:19**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**



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## Results of **SB06 (2.0-3.0)**

Client Sample ID: **SB06 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150009-F
Lab Project ID: 31102150

Collection Date: 08/11/2011 13:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0164 | 0.0924 | mg/kg | 10 | 08/19/2011 12:25 |
| Cadmium | **0.129** | | 0.0164 | 0.0924 | mg/kg | 10 | 08/19/2011 12:25 |
| Thallium | ND | U | 0.0226 | 0.0924 | mg/kg | 10 | 08/19/2011 12:25 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:25**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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Results of **SB07 (1.0-1.5)**

Client Sample ID: **SB07 (1.0-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150010-B
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.20

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.11 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,1,1-Trichloroethane | ND | U | 0.813 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.18 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,1,2-Trichloroethane | ND | U | 1.09 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,1-Dichloroethane | ND | U | 0.902 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,1-Dichloroethene | ND | U | 0.944 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,1-Dichloropropene | ND | U | 0.964 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,2,3-Trichlorobenzene | ND | U | 1.45 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,2,3-Trichloropropane | ND | U | 1.16 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,2,4-Trichlorobenzene | ND | U | 1.24 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,2,4-Trimethylbenzene | ND | U | 1.12 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,2-Dibromo-3-chloropropane | ND | U | 6.07 | 31.4 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,2-Dibromoethane | ND | U | 0.792 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,2-Dichlorobenzene | ND | U | 1.35 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,2-Dichloroethane | ND | U | 0.926 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,2-Dichloropropane | ND | U | 0.842 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,3,5-Trimethylbenzene | ND | U | 1.03 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,3-Dichlorobenzene | ND | U | 1.21 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,3-Dichloropropane | ND | U | 0.843 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 1,4-Dichlorobenzene | ND | U | 1.15 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 2,2-Dichloropropane | ND | U | 0.872 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 2-Butanone | **13.9** | J | 1.63 | 26.1 | ug/Kg | 1 | 08/18/2011 16:11 |
| 2-Chlorotoluene | ND | U | 1.17 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 2-Hexanone | ND | U | 2.04 | 13.1 | ug/Kg | 1 | 08/18/2011 16:11 |
| 4-Chlorotoluene | ND | U | 1.16 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 4-Isopropyltoluene | ND | U | 1.09 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| 4-Methyl-2-pentanone | ND | U | 3.36 | 13.1 | ug/Kg | 1 | 08/18/2011 16:11 |
| Acetone | **89.3** | | 1.30 | 52.3 | ug/Kg | 1 | 08/18/2011 16:11 |
| Benzene | **3.03** | J | 0.934 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Bromobenzene | ND | U | 1.03 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Bromochloromethane | ND | U | 0.913 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Bromodichloromethane | ND | U | 0.850 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Bromoform | ND | U | 0.699 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Bromomethane | ND | U | 1.84 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| n-Butylbenzene | ND | U | 1.13 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Carbon disulfide | ND | U | 0.903 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Carbon tetrachloride | ND | U | 0.909 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Chlorobenzene | ND | U | 0.809 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Chloroethane | ND | U | 0.481 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Chloroform | ND | U | 0.849 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Chloromethane | ND | U | 0.758 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Dibromochloromethane | ND | U | 0.885 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Dibromomethane | ND | U | 0.849 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |



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## Results of **SB07 (1.0-1.5)**

Client Sample ID: **SB07 (1.0-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150010-B
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.20

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.760 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| cis-1,3-Dichloropropene | ND | U | 0.900 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| trans-1,3-Dichloropropene | ND | U | 0.937 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Diisopropyl Ether | ND | U | 0.939 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Ethyl Benzene | **1.35** | J | 0.865 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Hexachlorobutadiene | ND | U | 1.43 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Isopropylbenzene (Cumene) | ND | U | 1.01 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Methyl iodide | **1.22** | J | 0.884 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Methylene chloride | **4.96** | J | 0.730 | 20.9 | ug/Kg | 1 | 08/18/2011 16:11 |
| Naphthalene | **1.58** | J | 1.26 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Styrene | ND | U | 1.03 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Tetrachloroethene | **5.08** | J | 0.786 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Toluene | **3.21** | J | 0.847 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Trichloroethene | ND | U | 0.875 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Trichlorofluoromethane | ND | U | 0.788 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| Vinyl chloride | ND | U | 0.769 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| cis-1,2-Dichloroethene | ND | U | 0.810 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| m,p-Xylene | **8.14** | J | 1.85 | 10.5 | ug/Kg | 1 | 08/18/2011 16:11 |
| n-Propylbenzene | ND | U | 1.02 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| o-Xylene | **1.78** | J | 1.06 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| sec-Butylbenzene | ND | U | 1.09 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.891 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| tert-Butylbenzene | ND | U | 0.947 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| trans-1,2-Dichloroethene | ND | U | 0.900 | 5.23 | ug/Kg | 1 | 08/18/2011 16:11 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.66 | 26.1 | ug/Kg | 1 | 08/18/2011 16:11 |
| Unknown | **13.7** | TIC | | | ug/Kg | 1 | 08/18/2011 16:11 |
| Pentanal | **3.24** | TIC | | | ug/Kg | 1 | 08/18/2011 16:11 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 123 | | | 55.0-173 | % | 1 | 08/18/2011 16:11 |
| 4-Bromofluorobenzene | 75.0 | | | 23.0-141 | % | 1 | 08/18/2011 16:11 |
| Toluene d8 | 85.0 | | | 57.0-134 | % | 1 | 08/18/2011 16:11 |

## Batch Information

Analytical Batch: **VMS1467**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **08/18/2011 16:11**

Prep Batch: **VXX1943**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/18/2011 08:00**
Prep Initial Wt./Vol.: **5.42 g**
Prep Extract Vol: **5 mL**

Print Date: 01/06/2012

N.C. Certification # 481

Results of **SB07 (1.0-1.5)**

Client Sample ID: **SB07 (1.0-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150010-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.20

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 31.1 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 1,2-Dichlorobenzene | ND | U | 17.6 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 1,3-Dichlorobenzene | ND | U | 23.8 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 1,4-Dichlorobenzene | ND | U | 24.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2,4,5-Trichlorophenol | ND | U | 23.6 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2,4,6-Trichlorophenol | ND | U | 23.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2,4-Dichlorophenol | ND | U | 20.4 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2,4-Dinitrophenol | ND | U | 32.7 | 705 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2,4-Dinitrotoluene | ND | U | 17.8 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2,6-Dinitrotoluene | ND | U | 25.3 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2-Chloronaphthalene | ND | U | 20.8 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2-Chlorophenol | ND | U | 18.7 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2-Methylnaphthalene | **59.9** | J | 28.6 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2-Methylphenol | ND | U | 19.5 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2-Nitroaniline | ND | U | 23.2 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2-Nitrophenol | ND | U | 16.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 3 and/or 4-Methylphenol | ND | U | 22.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 3,3'-Dichlorobenzidine | ND | U | 16.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 3-Nitroaniline | ND | U | 15.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 4,6-Dinitro-2-methylphenol | ND | U | 16.6 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 4-Chloro-3-methylphenol | ND | U | 17.6 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 4-Chloroaniline | ND | U | 28.2 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 4-Chlorophenyl phenyl ether | ND | U | 37.7 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Acenaphthene | ND | U | 16.0 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Acenaphthylene | ND | U | 14.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Anthracene | ND | U | 15.7 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Benzo(a)anthracene | **31.7** | J | 19.4 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Benzo(a)pyrene | **31.7** | J | 20.0 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Benzo(b)fluoranthene | ND | U | 20.3 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Benzo(g,h,i)perylene | ND | U | 56.2 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Benzo(k)fluoranthene | ND | U | 42.3 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Benzoic acid | ND | U | 7.83 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Bis(2-Chloroethoxy)methane | ND | U | 15.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Bis(2-Chloroethyl)ether | ND | U | 33.0 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Bis(2-Chloroisopropyl)ether | ND | U | 30.8 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 16.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 4-Bromophenyl phenyl ether | ND | U | 23.2 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Butyl benzyl phthalate | ND | U | 30.7 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Chrysene | **42.3** | J | 41.1 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Di-n-butyl phthalate | **35.2** | J | 16.7 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Di-n-octyl phthalate | ND | U | 19.5 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Dibenz(a,h)anthracene | ND | U | 15.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Dibenzofuran | ND | U | 27.7 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |



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## Results of **SB07 (1.0-1.5)**

Client Sample ID: **SB07 (1.0-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150010-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.20

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 19.1 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Dimethyl phthalate | ND | U | 27.1 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 2,4-Dimethylphenol | ND | U | 25.8 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Diphenylamine | ND | U | 15.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Fluoranthene | **49.3** | J | 33.2 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Fluorene | ND | U | 18.7 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Hexachlorobenzene | ND | U | 33.4 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Hexachlorobutadiene | ND | U | 21.1 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Hexachlorocyclopentadiene | ND | U | 107 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Hexachloroethane | ND | U | 20.3 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Indeno(1,2,3-cd)pyrene | ND | U | 27.5 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Isophorone | ND | U | 16.0 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Naphthalene | **52.8** | J | 30.5 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 4-Nitroaniline | ND | U | 20.3 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Nitrobenzene | ND | U | 20.3 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| 4-Nitrophenol | ND | U | 34.8 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Pentachlorophenol | ND | U | 28.2 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Phenanthrene | **35.2** | J | 23.2 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Phenol | ND | U | 33.0 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Pyrene | **63.4** | J | 14.9 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| n-Nitrosodi-n-propylamine | ND | U | 101 | 353 | ug/Kg | 1 | 08/21/2011 17:31 |
| Unknown | **332** | TIC | | | ug/Kg | 1 | 08/21/2011 17:31 |
| Phenol, 4-(2,2,3,3-tetramethyl | **320** | TIC | | | ug/Kg | 1 | 08/21/2011 17:31 |
| Hexadecanoic acid | **1360** | TIC | | | ug/Kg | 1 | 08/21/2011 17:31 |
| 2,4-Dioctylphenol | **637** | TIC | | | ug/Kg | 1 | 08/21/2011 17:31 |
| Octadecanoic acid | **1870** | TIC | | | ug/Kg | 1 | 08/21/2011 17:31 |
| Unknown | **1290** | TIC | | | ug/Kg | 1 | 08/21/2011 17:31 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 73.0 | | | 41.0-129 | % | 1 | 08/21/2011 17:31 |
| 2-Fluorobiphenyl | 76.0 | | | 48.0-123 | % | 1 | 08/21/2011 17:31 |
| 2-Fluorophenol | 78.0 | | | 42.0-123 | % | 1 | 08/21/2011 17:31 |
| Nitrobenzene-d5 | 84.0 | | | 46.0-117 | % | 1 | 08/21/2011 17:31 |
| Phenol-d6 | 76.0 | | | 48.0-125 | % | 1 | 08/21/2011 17:31 |
| Terphenyl-d14 | 93.0 | | | 44.0-140 | % | 1 | 08/21/2011 17:31 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 17:31**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.13 g**
Prep Extract Vol: **10 mL**



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## Results of **SB07 (1.0-1.5)**

Client Sample ID: **SB07 (1.0-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150010-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.20

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **0.768** | J | 0.567 | 4.53 | mg/kg | 1 | 08/16/2011 16:33 |
| Silver | **0.160** | J | 0.127 | 1.13 | mg/kg | 1 | 08/16/2011 16:33 |
| Arsenic | **2.29** | | 0.414 | 1.13 | mg/kg | 1 | 08/16/2011 16:33 |
| Chromium | **22.0** | | 0.272 | 1.13 | mg/kg | 1 | 08/16/2011 16:33 |
| Copper | **48.3** | | 0.0917 | 1.13 | mg/kg | 1 | 08/16/2011 16:33 |
| Lead | **396** | | 9.03 | 11.3 | mg/kg | 10 | 08/17/2011 11:46 |
| Manganese | **46.2** | | 0.432 | 1.13 | mg/kg | 1 | 08/16/2011 16:33 |
| Nickel | **4.22** | | 0.436 | 1.13 | mg/kg | 1 | 08/16/2011 16:33 |
| Selenium | ND | U | 0.440 | 2.27 | mg/kg | 1 | 08/16/2011 16:33 |
| Zinc | **405** | | 12.7 | 22.7 | mg/kg | 10 | 08/17/2011 11:46 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 16:33**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.5 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 11:46**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.5 g**
Prep Extract Vol: **50 mL**



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## Results of **SB07 (1.0-1.5)**

Client Sample ID: **SB07 (1.0-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150010-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.20

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.271** | | 0.000895 | 0.0199 | mg/kg | 1 | 08/16/2011 16:21 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:21**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**



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## Results of **SB07 (1.0-1.5)**

Client Sample ID: **SB07 (1.0-1.5)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150010-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.20

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0202 | 0.113 | mg/kg | 10 | 08/19/2011 12:28 |
| Cadmium | **1.27** | | 0.0202 | 0.113 | mg/kg | 10 | 08/19/2011 12:28 |
| Thallium | ND | U | 0.0278 | 0.113 | mg/kg | 10 | 08/19/2011 12:28 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:28**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.5 g**
Prep Extract Vol: **50 mL**



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Results of **SB08 (2.0-3.0)**

Client Sample ID: **SB08 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150011-B
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.10

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.01 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,1,1-Trichloroethane | ND | U | 0.744 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.08 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,1,2-Trichloroethane | ND | U | 0.994 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,1-Dichloroethane | ND | U | 0.825 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,1-Dichloroethene | ND | U | 0.863 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,1-Dichloropropene | ND | U | 0.881 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,2,3-Trichlorobenzene | ND | U | 1.33 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,2,3-Trichloropropane | ND | U | 1.06 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,2,4-Trichlorobenzene | ND | U | 1.14 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,2,4-Trimethylbenzene | ND | U | 1.02 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.55 | 28.7 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,2-Dibromoethane | ND | U | 0.725 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,2-Dichlorobenzene | ND | U | 1.23 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,2-Dichloroethane | ND | U | 0.847 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,2-Dichloropropane | ND | U | 0.770 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,3,5-Trimethylbenzene | ND | U | 0.941 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,3-Dichlorobenzene | ND | U | 1.11 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,3-Dichloropropane | ND | U | 0.771 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 1,4-Dichlorobenzene | ND | U | 1.05 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 2,2-Dichloropropane | ND | U | 0.797 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 2-Butanone | **2.85** | J | 1.49 | 23.9 | ug/Kg | 1 | 08/18/2011 16:37 |
| 2-Chlorotoluene | ND | U | 1.07 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 2-Hexanone | ND | U | 1.86 | 12.0 | ug/Kg | 1 | 08/18/2011 16:37 |
| 4-Chlorotoluene | ND | U | 1.06 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 4-Isopropyltoluene | ND | U | 0.994 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| 4-Methyl-2-pentanone | ND | U | 3.07 | 12.0 | ug/Kg | 1 | 08/18/2011 16:37 |
| Acetone | **22.5** | J | 1.19 | 47.8 | ug/Kg | 1 | 08/18/2011 16:37 |
| Benzene | **0.927** | J | 0.854 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Bromobenzene | ND | U | 0.943 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Bromochloromethane | ND | U | 0.835 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Bromodichloromethane | ND | U | 0.777 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Bromoform | ND | U | 0.640 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Bromomethane | ND | U | 1.68 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| n-Butylbenzene | ND | U | 1.03 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Carbon disulfide | ND | U | 0.826 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Carbon tetrachloride | ND | U | 0.832 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Chlorobenzene | ND | U | 0.740 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Chloroethane | ND | U | 0.440 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Chloroform | ND | U | 0.776 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Chloromethane | ND | U | 0.693 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Dibromochloromethane | ND | U | 0.810 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Dibromomethane | ND | U | 0.776 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |



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## Results of **SB08 (2.0-3.0)**

Client Sample ID: **SB08 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150011-B
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.10

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.695 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| cis-1,3-Dichloropropene | ND | U | 0.823 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| trans-1,3-Dichloropropene | ND | U | 0.857 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Diisopropyl Ether | ND | U | 0.859 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Ethyl Benzene | ND | U | 0.791 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Hexachlorobutadiene | ND | U | 1.31 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Isopropylbenzene (Cumene) | ND | U | 0.921 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Methyl iodide | ND | U | 0.809 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Methylene chloride | **2.88** | J | 0.667 | 19.1 | ug/Kg | 1 | 08/18/2011 16:37 |
| Naphthalene | ND | U | 1.16 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Styrene | ND | U | 0.943 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Tetrachloroethene | **7.32** | | 0.719 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Toluene | **0.946** | J | 0.774 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Trichloroethene | ND | U | 0.800 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Trichlorofluoromethane | ND | U | 0.721 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| Vinyl chloride | ND | U | 0.704 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| cis-1,2-Dichloroethene | ND | U | 0.741 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| m,p-Xylene | ND | U | 1.69 | 9.56 | ug/Kg | 1 | 08/18/2011 16:37 |
| n-Propylbenzene | ND | U | 0.932 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| o-Xylene | ND | U | 0.966 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| sec-Butylbenzene | ND | U | 0.994 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.815 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| tert-Butylbenzene | ND | U | 0.866 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| trans-1,2-Dichloroethene | ND | U | 0.823 | 4.78 | ug/Kg | 1 | 08/18/2011 16:37 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.17 | 23.9 | ug/Kg | 1 | 08/18/2011 16:37 |
| Unknown | **10.4** | TIC | | | ug/Kg | 1 | 08/18/2011 16:37 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 125 | | | 55.0-173 | % | 1 | 08/18/2011 16:37 |
| 4-Bromofluorobenzene | 83.0 | | | 23.0-141 | % | 1 | 08/18/2011 16:37 |
| Toluene d8 | 92.0 | | | 57.0-134 | % | 1 | 08/18/2011 16:37 |

## Batch Information

Analytical Batch: **VMS1467**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **08/18/2011 16:37**

Prep Batch: **VXX1943**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/18/2011 08:00**
Prep Initial Wt./Vol.: **5.62 g**
Prep Extract Vol: **5 mL**



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Results of **SB08 (2.0-3.0)**

Client Sample ID: **SB08 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150011-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.10

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 29.2 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 1,2-Dichlorobenzene | ND | U | 16.5 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 1,3-Dichlorobenzene | ND | U | 22.3 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 1,4-Dichlorobenzene | ND | U | 23.4 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2,4,5-Trichlorophenol | ND | U | 22.1 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2,4,6-Trichlorophenol | ND | U | 22.4 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2,4-Dichlorophenol | ND | U | 19.2 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2,4-Dinitrophenol | ND | U | 30.7 | 661 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2,4-Dinitrotoluene | ND | U | 16.7 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2,6-Dinitrotoluene | ND | U | 23.7 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2-Chloronaphthalene | ND | U | 19.5 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2-Chlorophenol | ND | U | 17.6 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2-Methylnaphthalene | **29.7** | J | 26.8 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2-Methylphenol | ND | U | 18.3 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2-Nitroaniline | ND | U | 21.8 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2-Nitrophenol | ND | U | 15.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 3 and/or 4-Methylphenol | ND | U | 21.5 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 3,3'-Dichlorobenzidine | ND | U | 15.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 3-Nitroaniline | ND | U | 14.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 4,6-Dinitro-2-methylphenol | ND | U | 15.6 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 4-Chloro-3-methylphenol | ND | U | 16.5 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 4-Chloroaniline | ND | U | 26.5 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 4-Chlorophenyl phenyl ether | ND | U | 35.4 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Acenaphthene | **29.7** | J | 15.0 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Acenaphthylene | **162** | J | 14.0 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Anthracene | **126** | J | 14.7 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Benzo(a)anthracene | **968** | | 18.2 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Benzo(a)pyrene | **839** | | 18.7 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Benzo(b)fluoranthene | **1250** | | 19.1 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Benzo(g,h,i)perylene | **373** | | 52.7 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Benzo(k)fluoranthene | **429** | | 39.7 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Benzoic acid | ND | U | 7.35 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Bis(2-Chloroethoxy)methane | ND | U | 14.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Bis(2-Chloroethyl)ether | ND | U | 30.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Bis(2-Chloroisopropyl)ether | ND | U | 28.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 15.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 4-Bromophenyl phenyl ether | ND | U | 21.8 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Butyl benzyl phthalate | ND | U | 28.8 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Chrysene | **1040** | | 38.5 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Di-n-butyl phthalate | ND | U | 15.7 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Di-n-octyl phthalate | ND | U | 18.3 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Dibenz(a,h)anthracene | **116** | J | 14.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Dibenzofuran | ND | U | 25.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |



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Results of **SB08 (2.0-3.0)**

Client Sample ID: **SB08 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150011-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.10

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 17.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Dimethyl phthalate | ND | U | 25.4 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 2,4-Dimethylphenol | ND | U | 24.2 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Diphenylamine | ND | U | 14.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Fluoranthene | **1590** | | 31.1 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Fluorene | **39.6** | J | 17.6 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Hexachlorobenzene | ND | U | 31.3 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Hexachlorobutadiene | ND | U | 19.8 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Hexachlorocyclopentadiene | ND | U | 100 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Hexachloroethane | ND | U | 19.1 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Indeno(1,2,3-cd)pyrene | **367** | | 25.8 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Isophorone | ND | U | 15.0 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Naphthalene | **33.0** | J | 28.6 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 4-Nitroaniline | ND | U | 19.1 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Nitrobenzene | ND | U | 19.1 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| 4-Nitrophenol | ND | U | 32.6 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Pentachlorophenol | ND | U | 26.5 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Phenanthrene | **697** | | 21.8 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Phenol | ND | U | 30.9 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Pyrene | **1800** | | 14.0 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| n-Nitrosodi-n-propylamine | ND | U | 94.8 | 331 | ug/Kg | 1 | 08/21/2011 17:54 |
| Benzo[k]fluoranthene | **718** | TIC | | | ug/Kg | 1 | 08/21/2011 17:54 |
| Methyl-Anthracene, Isomer of | **264** | TIC | | | ug/Kg | 1 | 08/21/2011 17:54 |
| Methyl-Anthracene, Isomer of | **307** | TIC | | | ug/Kg | 1 | 08/21/2011 17:54 |
| Aromatic, Unknown | **410** | TIC | | | ug/Kg | 1 | 08/21/2011 17:54 |
| Phenanthrene, 9-methyl- | **206** | TIC | | | ug/Kg | 1 | 08/21/2011 17:54 |
| Phenanthrene, 2,5-dimethyl- | **287** | TIC | | | ug/Kg | 1 | 08/21/2011 17:54 |
| 11H-Benzo[a]fluorene | **164** | TIC | | | ug/Kg | 1 | 08/21/2011 17:54 |
| Aromatic, Unknown | **172** | TIC | | | ug/Kg | 1 | 08/21/2011 17:54 |
| Unknown | **567** | TIC | | | ug/Kg | 1 | 08/21/2011 17:54 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 59.0 | | | 41.0-129 | % | 1 | 08/21/2011 17:54 |
| 2-Fluorobiphenyl | 72.0 | | | 48.0-123 | % | 1 | 08/21/2011 17:54 |
| 2-Fluorophenol | 69.0 | | | 42.0-123 | % | 1 | 08/21/2011 17:54 |
| Nitrobenzene-d5 | 74.0 | | | 46.0-117 | % | 1 | 08/21/2011 17:54 |
| Phenol-d6 | 72.0 | | | 48.0-125 | % | 1 | 08/21/2011 17:54 |
| Terphenyl-d14 | 79.0 | | | 44.0-140 | % | 1 | 08/21/2011 17:54 |



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## Results of **SB08 (2.0-3.0)**

Client Sample ID: **SB08 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150011-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.10

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|

### Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 17:54**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.49 g**
Prep Extract Vol: **10 mL**



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## Results of **SB08 (2.0-3.0)**

Client Sample ID: **SB08 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150011-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.10

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.537 | 4.30 | mg/kg | 1 | 08/16/2011 16:40 |
| Silver | ND | U | 0.120 | 1.07 | mg/kg | 1 | 08/16/2011 16:40 |
| Arsenic | **1.45** | | 0.392 | 1.07 | mg/kg | 1 | 08/16/2011 16:40 |
| Chromium | **3.50** | | 0.258 | 1.07 | mg/kg | 1 | 08/16/2011 16:40 |
| Copper | **12.5** | | 0.0869 | 1.07 | mg/kg | 1 | 08/16/2011 16:40 |
| Lead | **105** | | 0.856 | 1.07 | mg/kg | 1 | 08/16/2011 16:40 |
| Manganese | **36.6** | | 0.409 | 1.07 | mg/kg | 1 | 08/16/2011 16:40 |
| Nickel | **1.14** | | 0.414 | 1.07 | mg/kg | 1 | 08/16/2011 16:40 |
| Selenium | ND | U | 0.417 | 2.15 | mg/kg | 1 | 08/16/2011 16:40 |
| Zinc | **74.6** | | 1.20 | 2.15 | mg/kg | 1 | 08/16/2011 16:40 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 16:40**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.5 g**
Prep Extract Vol: **50 mL**

Print Date: 01/06/2012

N.C. Certification # 481

## Results of **SB08 (2.0-3.0)**

Client Sample ID: **SB08 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150011-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.10

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.385** | | 0.000896 | 0.0199 | mg/kg | 1 | 08/16/2011 16:22 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:22**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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## Results of **SB08 (2.0-3.0)**

Client Sample ID: **SB08 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150011-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 93.10

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0191 | 0.107 | mg/kg | 10 | 08/19/2011 12:30 |
| Cadmium | **0.0752** | J | 0.0191 | 0.107 | mg/kg | 10 | 08/19/2011 12:30 |
| Thallium | ND | U | 0.0263 | 0.107 | mg/kg | 10 | 08/19/2011 12:30 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:30**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.5 g**
Prep Extract Vol: **50 mL**



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Results of **SB09 (2.0-3.0)**

Client Sample ID: **SB09 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150012-D
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 5.26 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,1,1-Trichloroethane | ND | U | 6.22 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,1,2,2-Tetrachloroethane | ND | U | 7.89 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,1,2-Trichloroethane | ND | U | 6.37 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,1-Dichloroethane | ND | U | 8.35 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,1-Dichloroethene | ND | U | 10.7 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,1-Dichloropropene | ND | U | 4.37 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,2,3-Trichlorobenzene | ND | U | 5.56 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,2,3-Trichloropropane | ND | U | 10.7 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,2,4-Trichlorobenzene | ND | U | 4.62 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,2,4-Trimethylbenzene | ND | U | 4.86 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,2-Dibromo-3-chloropropane | ND | U | 37.8 | 253 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,2-Dibromoethane | ND | U | 6.07 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,2-Dichlorobenzene | ND | U | 6.93 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,2-Dichloroethane | ND | U | 8.45 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,2-Dichloropropane | ND | U | 8.24 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,3,5-Trimethylbenzene | ND | U | 5.72 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,3-Dichlorobenzene | ND | U | 5.21 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,3-Dichloropropane | ND | U | 6.58 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 1,4-Dichlorobenzene | ND | U | 6.58 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 2,2-Dichloropropane | ND | U | 19.9 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 2-Butanone | ND | U | 36.6 | 1260 | ug/Kg | 50 | 08/17/2011 19:55 |
| 2-Chlorotoluene | ND | U | 5.72 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 2-Hexanone | ND | U | 36.8 | 253 | ug/Kg | 50 | 08/17/2011 19:55 |
| 4-Chlorotoluene | ND | U | 6.32 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 4-Isopropyltoluene | ND | U | 3.89 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| 4-Methyl-2-pentanone | ND | U | 28.2 | 253 | ug/Kg | 50 | 08/17/2011 19:55 |
| Acetone | ND | U | 43.7 | 1260 | ug/Kg | 50 | 08/17/2011 19:55 |
| Benzene | ND | U | 5.72 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Bromobenzene | ND | U | 5.56 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Bromochloromethane | ND | U | 10.7 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Bromodichloromethane | ND | U | 5.56 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Bromoform | ND | U | 4.93 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Bromomethane | ND | U | 12.0 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| n-Butylbenzene | ND | U | 3.89 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Carbon disulfide | ND | U | 5.36 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Carbon tetrachloride | ND | U | 5.11 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Chlorobenzene | ND | U | 5.87 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Chloroethane | ND | U | 15.7 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Chloroform | ND | U | 7.03 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Chloromethane | ND | U | 22.7 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Dibromochloromethane | ND | U | 6.78 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Dibromomethane | ND | U | 8.50 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |



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## Results of **SB09 (2.0-3.0)**

Client Sample ID: **SB09 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150012-D
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 8.65 | 253 | ug/Kg | 50 | 08/17/2011 19:55 |
| cis-1,3-Dichloropropene | ND | U | 3.88 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| trans-1,3-Dichloropropene | ND | U | 4.36 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Diisopropyl Ether | ND | U | 14.9 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Ethyl Benzene | ND | U | 4.44 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Hexachlorobutadiene | ND | U | 4.01 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Isopropylbenzene (Cumene) | ND | U | 4.40 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Methyl iodide | ND | U | 5.82 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Methylene chloride | **11.6** | J | 7.69 | 253 | ug/Kg | 50 | 08/17/2011 19:55 |
| Naphthalene | ND | U | 4.32 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Styrene | ND | U | 5.16 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Tetrachloroethene | **267** | | 7.84 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Toluene | ND | U | 6.73 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Trichloroethene | ND | U | 6.32 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Trichlorofluoromethane | ND | U | 6.93 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| Vinyl chloride | ND | U | 6.27 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| cis-1,2-Dichloroethene | ND | U | 6.88 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| m,p-Xylene | ND | U | 9.21 | 101 | ug/Kg | 50 | 08/17/2011 19:55 |
| n-Propylbenzene | ND | U | 5.72 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| o-Xylene | ND | U | 4.42 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| sec-Butylbenzene | ND | U | 5.66 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| tert-Butyl methyl ether (MTBE) | ND | U | 7.28 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| tert-Butylbenzene | ND | U | 4.32 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| trans-1,2-Dichloroethene | ND | U | 11.3 | 50.6 | ug/Kg | 50 | 08/17/2011 19:55 |
| trans-1,4-Dichloro-2-butene | ND | U | 20.9 | 253 | ug/Kg | 50 | 08/17/2011 19:55 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 105 | | | 55.0-173 | % | 50 | 08/17/2011 19:55 |
| 4-Bromofluorobenzene | 97.0 | | | 23.0-141 | % | 50 | 08/17/2011 19:55 |
| Toluene d8 | 99.0 | | | 57.0-134 | % | 50 | 08/17/2011 19:55 |

## Batch Information

Analytical Batch: **VMS1464**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**
Analytical Date/Time: **08/17/2011 19:55**

Prep Batch: **VXX1941**
Prep Method: **SW-846 5035 SM**
Prep Date/Time: **08/17/2011 09:56**
Prep Initial Wt./Vol.: **5.57 g**
Prep Extract Vol: **5 mL**



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Results of **SB09 (2.0-3.0)**

Client Sample ID: **SB09 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150012-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 30.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 1,2-Dichlorobenzene | ND | U | 17.4 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 1,3-Dichlorobenzene | ND | U | 23.6 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 1,4-Dichlorobenzene | ND | U | 24.7 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2,4,5-Trichlorophenol | ND | U | 23.3 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2,4,6-Trichlorophenol | ND | U | 23.7 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2,4-Dichlorophenol | ND | U | 20.2 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2,4-Dinitrophenol | ND | U | 32.4 | 698 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2,4-Dinitrotoluene | ND | U | 17.7 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2,6-Dinitrotoluene | ND | U | 25.0 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2-Chloronaphthalene | ND | U | 20.6 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2-Chlorophenol | ND | U | 18.5 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2-Methylnaphthalene | ND | U | 28.3 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2-Methylphenol | ND | U | 19.3 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2-Nitroaniline | ND | U | 23.0 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2-Nitrophenol | ND | U | 16.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 3 and/or 4-Methylphenol | ND | U | 22.7 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 3,3'-Dichlorobenzidine | ND | U | 16.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 3-Nitroaniline | ND | U | 15.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 4,6-Dinitro-2-methylphenol | ND | U | 16.4 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 4-Chloro-3-methylphenol | ND | U | 17.4 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 4-Chloroaniline | ND | U | 27.9 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 4-Chlorophenyl phenyl ether | ND | U | 37.3 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Acenaphthene | ND | U | 15.9 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Acenaphthylene | ND | U | 14.7 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Anthracene | ND | U | 15.5 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Benzo(a)anthracene | **87.2** | J | 19.2 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Benzo(a)pyrene | **94.1** | J | 19.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Benzo(b)fluoranthene | **136** | J | 20.1 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Benzo(g,h,i)perylene | ND | U | 55.6 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Benzo(k)fluoranthene | **73.2** | J | 41.9 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Benzoic acid | ND | U | 7.75 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Bis(2-Chloroethoxy)methane | ND | U | 15.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Bis(2-Chloroethyl)ether | ND | U | 32.6 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Bis(2-Chloroisopropyl)ether | ND | U | 30.5 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 16.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 4-Bromophenyl phenyl ether | ND | U | 23.0 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Butyl benzyl phthalate | ND | U | 30.4 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Chrysene | **101** | J | 40.7 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Di-n-butyl phthalate | ND | U | 16.5 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Di-n-octyl phthalate | ND | U | 19.3 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Dibenz(a,h)anthracene | ND | U | 15.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Dibenzofuran | ND | U | 27.4 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |



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## Results of **SB09 (2.0-3.0)**

Client Sample ID: **SB09 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150012-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 18.9 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Dimethyl phthalate | ND | U | 26.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 2,4-Dimethylphenol | ND | U | 25.6 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Diphenylamine | ND | U | 15.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Fluoranthene | **185** | J | 32.8 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Fluorene | ND | U | 18.5 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Hexachlorobenzene | ND | U | 33.1 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Hexachlorobutadiene | ND | U | 20.9 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Hexachlorocyclopentadiene | ND | U | 106 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Hexachloroethane | ND | U | 20.1 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Indeno(1,2,3-cd)pyrene | **45.3** | J | 27.3 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Isophorone | ND | U | 15.9 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Naphthalene | ND | U | 30.2 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 4-Nitroaniline | ND | U | 20.1 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Nitrobenzene | ND | U | 20.1 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| 4-Nitrophenol | ND | U | 34.4 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Pentachlorophenol | ND | U | 27.9 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Phenanthrene | **108** | J | 23.0 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Phenol | ND | U | 32.6 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Pyrene | **167** | J | 14.7 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| n-Nitrosodi-n-propylamine | ND | U | 100 | 350 | ug/Kg | 1 | 08/21/2011 19:04 |
| Fluoranthene | **220** | TIC | | | ug/Kg | 1 | 08/21/2011 19:04 |
| Pyrene | **220** | TIC | | | ug/Kg | 1 | 08/21/2011 19:04 |
| Unknown | **1460** | TIC | | | ug/Kg | 1 | 08/21/2011 19:04 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 54.0 | | | 41.0-129 | % | 1 | 08/21/2011 19:04 |
| 2-Fluorobiphenyl | 74.0 | | | 48.0-123 | % | 1 | 08/21/2011 19:04 |
| 2-Fluorophenol | 77.0 | | | 42.0-123 | % | 1 | 08/21/2011 19:04 |
| Nitrobenzene-d5 | 77.0 | | | 46.0-117 | % | 1 | 08/21/2011 19:04 |
| Phenol-d6 | 78.0 | | | 48.0-125 | % | 1 | 08/21/2011 19:04 |
| Terphenyl-d14 | 77.0 | | | 44.0-140 | % | 1 | 08/21/2011 19:04 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 19:04**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.28 g**
Prep Extract Vol: **10 mL**



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## Results of **SB09 (2.0-3.0)**

Client Sample ID: **SB09 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150012-E
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.552 | 4.42 | mg/kg | 1 | 08/16/2011 16:47 |
| Silver | **0.187** | J | 0.124 | 1.10 | mg/kg | 1 | 08/16/2011 16:47 |
| Arsenic | **0.479** | J | 0.403 | 1.10 | mg/kg | 1 | 08/16/2011 16:47 |
| Chromium | **3.90** | | 0.265 | 1.10 | mg/kg | 1 | 08/16/2011 16:47 |
| Copper | **18.8** | | 0.0894 | 1.10 | mg/kg | 1 | 08/16/2011 16:47 |
| Lead | **194** | | 8.81 | 11.0 | mg/kg | 10 | 08/17/2011 11:53 |
| Manganese | **88.8** | | 0.421 | 1.10 | mg/kg | 1 | 08/16/2011 16:47 |
| Nickel | **1.29** | | 0.425 | 1.10 | mg/kg | 1 | 08/16/2011 16:47 |
| Selenium | ND | U | 0.429 | 2.21 | mg/kg | 1 | 08/16/2011 16:47 |
| Zinc | **102** | | 1.24 | 2.21 | mg/kg | 1 | 08/16/2011 16:47 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 16:47**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 11:53**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**



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## Results of **SB09 (2.0-3.0)**

Client Sample ID: **SB09 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150012-F
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.493** | | 0.000922 | 0.0205 | mg/kg | 1 | 08/16/2011 16:24 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:24**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



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## Results of **SB09 (2.0-3.0)**

Client Sample ID: **SB09 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150012-F
Lab Project ID: 31102150

Collection Date: 08/11/2011 14:30
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 88.70

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0197 | 0.110 | mg/kg | 10 | 08/19/2011 12:33 |
| Cadmium | **0.144** | | 0.0197 | 0.110 | mg/kg | 10 | 08/19/2011 12:33 |
| Thallium | ND | U | 0.0271 | 0.110 | mg/kg | 10 | 08/19/2011 12:33 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:33**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**



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Results of **SB10 (2.0-3.0)**

Client Sample ID: **SB10 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150013-D
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.30

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 5.22 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,1,1-Trichloroethane | ND | U | 6.17 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,1,2,2-Tetrachloroethane | ND | U | 7.82 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,1,2-Trichloroethane | ND | U | 6.32 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,1-Dichloroethane | ND | U | 8.27 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,1-Dichloroethene | ND | U | 10.6 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,1-Dichloropropene | ND | U | 4.33 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,2,3-Trichlorobenzene | ND | U | 5.52 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,2,3-Trichloropropane | ND | U | 10.6 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,2,4-Trichlorobenzene | ND | U | 4.58 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,2,4-Trimethylbenzene | **6.52** | J | 4.82 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,2-Dibromo-3-chloropropane | ND | U | 37.5 | 251 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,2-Dibromoethane | ND | U | 6.02 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,2-Dichlorobenzene | ND | U | 6.87 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,2-Dichloroethane | ND | U | 8.37 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,2-Dichloropropane | ND | U | 8.17 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,3,5-Trimethylbenzene | ND | U | 5.67 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,3-Dichlorobenzene | ND | U | 5.17 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,3-Dichloropropane | ND | U | 6.52 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 1,4-Dichlorobenzene | ND | U | 6.52 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 2,2-Dichloropropane | ND | U | 19.7 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 2-Butanone | **82.7** | J | 36.3 | 1250 | ug/Kg | 50 | 08/17/2011 20:19 |
| 2-Chlorotoluene | ND | U | 5.67 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 2-Hexanone | ND | U | 36.5 | 251 | ug/Kg | 50 | 08/17/2011 20:19 |
| 4-Chlorotoluene | ND | U | 6.27 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 4-Isopropyltoluene | ND | U | 3.86 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| 4-Methyl-2-pentanone | ND | U | 28.0 | 251 | ug/Kg | 50 | 08/17/2011 20:19 |
| Acetone | ND | U | 43.3 | 1250 | ug/Kg | 50 | 08/17/2011 20:19 |
| Benzene | ND | U | 5.67 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Bromobenzene | ND | U | 5.52 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Bromochloromethane | ND | U | 10.6 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Bromodichloromethane | ND | U | 5.52 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Bromoform | ND | U | 4.88 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Bromomethane | ND | U | 11.9 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| n-Butylbenzene | ND | U | 3.86 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Carbon disulfide | ND | U | 5.32 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Carbon tetrachloride | ND | U | 5.06 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Chlorobenzene | ND | U | 5.82 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Chloroethane | ND | U | 15.6 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Chloroform | ND | U | 6.97 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Chloromethane | ND | U | 22.5 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Dibromochloromethane | ND | U | 6.72 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Dibromomethane | ND | U | 8.42 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |



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## Results of **SB10 (2.0-3.0)**

Client Sample ID: **SB10 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150013-D
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.30

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 8.58 | 251 | ug/Kg | 50 | 08/17/2011 20:19 |
| cis-1,3-Dichloropropene | ND | U | 3.85 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| trans-1,3-Dichloropropene | ND | U | 4.32 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Diisopropyl Ether | ND | U | 14.7 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Ethyl Benzene | ND | U | 4.40 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Hexachlorobutadiene | ND | U | 3.97 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Isopropylbenzene (Cumene) | ND | U | 4.36 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Methyl iodide | ND | U | 5.77 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Methylene chloride | **10.0** | J | 7.62 | 251 | ug/Kg | 50 | 08/17/2011 20:19 |
| Naphthalene | **11.0** | J | 4.29 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Styrene | ND | U | 5.12 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Tetrachloroethene | **632** | | 7.77 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Toluene | ND | U | 6.67 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Trichloroethene | ND | U | 6.27 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Trichlorofluoromethane | ND | U | 6.87 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| Vinyl chloride | ND | U | 6.22 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| cis-1,2-Dichloroethene | ND | U | 6.82 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| m,p-Xylene | ND | U | 9.13 | 100 | ug/Kg | 50 | 08/17/2011 20:19 |
| n-Propylbenzene | ND | U | 5.67 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| o-Xylene | ND | U | 4.38 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| sec-Butylbenzene | ND | U | 5.62 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| tert-Butyl methyl ether (MTBE) | ND | U | 7.22 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| tert-Butylbenzene | ND | U | 4.29 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| trans-1,2-Dichloroethene | ND | U | 11.2 | 50.1 | ug/Kg | 50 | 08/17/2011 20:19 |
| trans-1,4-Dichloro-2-butene | ND | U | 20.8 | 251 | ug/Kg | 50 | 08/17/2011 20:19 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 104 | | | 55.0-173 | % | 50 | 08/17/2011 20:19 |
| 4-Bromofluorobenzene | 95.0 | | | 23.0-141 | % | 50 | 08/17/2011 20:19 |
| Toluene d8 | 101 | | | 57.0-134 | % | 50 | 08/17/2011 20:19 |

## Batch Information

Analytical Batch: **VMS1464**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**
Analytical Date/Time: **08/17/2011 20:19**

Prep Batch: **VXX1941**
Prep Method: **SW-846 5035 SM**
Prep Date/Time: **08/17/2011 09:56**
Prep Initial Wt./Vol.: **5.46 g**
Prep Extract Vol: **5 mL**



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Results of **SB10 (2.0-3.0)**

Client Sample ID: **SB10 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150013-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.30

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 29.5 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 1,2-Dichlorobenzene | ND | U | 16.7 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 1,3-Dichlorobenzene | ND | U | 22.6 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 1,4-Dichlorobenzene | ND | U | 23.7 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2,4,5-Trichlorophenol | ND | U | 22.4 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2,4,6-Trichlorophenol | ND | U | 22.7 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2,4-Dichlorophenol | ND | U | 19.4 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2,4-Dinitrophenol | ND | U | 31.0 | 669 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2,4-Dinitrotoluene | ND | U | 16.9 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2,6-Dinitrotoluene | ND | U | 24.0 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2-Chloronaphthalene | ND | U | 19.7 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2-Chlorophenol | ND | U | 17.8 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2-Methylnaphthalene | ND | U | 27.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2-Methylphenol | ND | U | 18.5 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2-Nitroaniline | ND | U | 22.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2-Nitrophenol | ND | U | 16.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 3 and/or 4-Methylphenol | ND | U | 21.7 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 3,3'-Dichlorobenzidine | ND | U | 16.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 3-Nitroaniline | ND | U | 15.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 4,6-Dinitro-2-methylphenol | ND | U | 15.7 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 4-Chloro-3-methylphenol | ND | U | 16.7 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 4-Chloroaniline | ND | U | 26.8 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 4-Chlorophenyl phenyl ether | ND | U | 35.8 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Acenaphthene | ND | U | 15.2 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Acenaphthylene | ND | U | 14.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Anthracene | ND | U | 14.9 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Benzo(a)anthracene | **43.4** | J | 18.4 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Benzo(a)pyrene | **70.2** | J | 18.9 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Benzo(b)fluoranthene | **104** | J | 19.3 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Benzo(g,h,i)perylene | ND | U | 53.3 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Benzo(k)fluoranthene | **46.8** | J | 40.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Benzoic acid | ND | U | 7.43 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Bis(2-Chloroethoxy)methane | ND | U | 15.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Bis(2-Chloroethyl)ether | ND | U | 31.3 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Bis(2-Chloroisopropyl)ether | ND | U | 29.2 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 16.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 4-Bromophenyl phenyl ether | ND | U | 22.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Butyl benzyl phthalate | ND | U | 29.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Chrysene | **76.8** | J | 39.0 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Di-n-butyl phthalate | ND | U | 15.8 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Di-n-octyl phthalate | ND | U | 18.5 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Dibenz(a,h)anthracene | ND | U | 15.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Dibenzofuran | ND | U | 26.2 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |

Print Date: 01/06/2012

N.C. Certification # 481

## Results of **SB10 (2.0-3.0)**

Client Sample ID: **SB10 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150013-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.30

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 18.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Dimethyl phthalate | ND | U | 25.7 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 2,4-Dimethylphenol | ND | U | 24.5 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Diphenylamine | ND | U | 15.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Fluoranthene | **144** | J | 31.5 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Fluorene | ND | U | 17.8 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Hexachlorobenzene | ND | U | 31.7 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Hexachlorobutadiene | ND | U | 20.0 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Hexachlorocyclopentadiene | ND | U | 101 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Hexachloroethane | ND | U | 19.3 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Indeno(1,2,3-cd)pyrene | **40.1** | J | 26.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Isophorone | ND | U | 15.2 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Naphthalene | ND | U | 28.9 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 4-Nitroaniline | ND | U | 19.3 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Nitrobenzene | ND | U | 19.3 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| 4-Nitrophenol | ND | U | 33.0 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Pentachlorophenol | ND | U | 26.8 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Phenanthrene | **93.6** | J | 22.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Phenol | ND | U | 31.3 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Pyrene | **140** | J | 14.1 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| n-Nitrosodi-n-propylamine | ND | U | 95.9 | 335 | ug/Kg | 1 | 08/21/2011 19:27 |
| Unknown | **481** | TIC | | | ug/Kg | 1 | 08/21/2011 19:27 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 68.0 | | | 41.0-129 | % | 1 | 08/21/2011 19:27 |
| 2-Fluorobiphenyl | 96.0 | | | 48.0-123 | % | 1 | 08/21/2011 19:27 |
| 2-Fluorophenol | 94.0 | | | 42.0-123 | % | 1 | 08/21/2011 19:27 |
| Nitrobenzene-d5 | 97.0 | | | 46.0-117 | % | 1 | 08/21/2011 19:27 |
| Phenol-d6 | 97.0 | | | 48.0-125 | % | 1 | 08/21/2011 19:27 |
| Terphenyl-d14 | 98.0 | | | 44.0-140 | % | 1 | 08/21/2011 19:27 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 19:27**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.74 g**
Prep Extract Vol: **10 mL**

Print Date: 01/06/2012

N.C. Certification # 481

## Results of **SB10 (2.0-3.0)**

Client Sample ID: **SB10 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150013-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.30

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.498 | 3.98 | mg/kg | 1 | 08/16/2011 16:54 |
| Silver | **0.236** | J | 0.112 | 0.996 | mg/kg | 1 | 08/16/2011 16:54 |
| Arsenic | ND | U | 0.363 | 0.996 | mg/kg | 1 | 08/16/2011 16:54 |
| Chromium | **2.74** | | 0.239 | 0.996 | mg/kg | 1 | 08/16/2011 16:54 |
| Copper | **12.6** | | 0.0805 | 0.996 | mg/kg | 1 | 08/16/2011 16:54 |
| Lead | **163** | | 7.94 | 9.96 | mg/kg | 10 | 08/17/2011 12:14 |
| Manganese | **68.0** | | 0.379 | 0.996 | mg/kg | 1 | 08/16/2011 16:54 |
| Nickel | **0.747** | J | 0.383 | 0.996 | mg/kg | 1 | 08/16/2011 16:54 |
| Selenium | ND | U | 0.386 | 1.99 | mg/kg | 1 | 08/16/2011 16:54 |
| Zinc | **72.8** | | 1.12 | 1.99 | mg/kg | 1 | 08/16/2011 16:54 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 16:54**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 12:14**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



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## Results of **SB10 (2.0-3.0)**

Client Sample ID: **SB10 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150013-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.30

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.603** | | 0.000913 | 0.0203 | mg/kg | 1 | 08/16/2011 16:26 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:26**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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## Results of **SB10 (2.0-3.0)**

Client Sample ID: **SB10 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150013-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 09:50
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.30

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0177 | 0.0996 | mg/kg | 10 | 08/19/2011 12:36 |
| Cadmium | **0.0697** | J | 0.0177 | 0.0996 | mg/kg | 10 | 08/19/2011 12:36 |
| Thallium | ND | U | 0.0244 | 0.0996 | mg/kg | 10 | 08/19/2011 12:36 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:36**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



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Results of **SB11 (2.0-3.0)**

Client Sample ID: **SB11 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150014-B
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.00

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.06 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,1,1-Trichloroethane | ND | U | 0.776 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.13 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,1,2-Trichloroethane | ND | U | 1.04 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,1-Dichloroethane | ND | U | 0.861 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,1-Dichloroethene | ND | U | 0.900 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,1-Dichloropropene | ND | U | 0.919 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,2,3-Trichlorobenzene | ND | U | 1.39 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,2,3-Trichloropropane | ND | U | 1.11 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,2,4-Trichlorobenzene | ND | U | 1.19 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,2,4-Trimethylbenzene | ND | U | 1.07 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.79 | 29.9 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,2-Dibromoethane | ND | U | 0.756 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,2-Dichlorobenzene | ND | U | 1.29 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,2-Dichloroethane | ND | U | 0.884 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,2-Dichloropropane | ND | U | 0.803 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,3,5-Trimethylbenzene | ND | U | 0.981 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,3-Dichlorobenzene | ND | U | 1.16 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,3-Dichloropropane | ND | U | 0.804 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 1,4-Dichlorobenzene | ND | U | 1.10 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 2,2-Dichloropropane | ND | U | 0.832 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 2-Butanone | **2.85** | J | 1.56 | 24.9 | ug/Kg | 1 | 08/18/2011 17:04 |
| 2-Chlorotoluene | ND | U | 1.12 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 2-Hexanone | ND | U | 1.94 | 12.5 | ug/Kg | 1 | 08/18/2011 17:04 |
| 4-Chlorotoluene | ND | U | 1.11 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 4-Isopropyltoluene | ND | U | 1.04 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| 4-Methyl-2-pentanone | ND | U | 3.20 | 12.5 | ug/Kg | 1 | 08/18/2011 17:04 |
| Acetone | **71.6** | | 1.24 | 49.9 | ug/Kg | 1 | 08/18/2011 17:04 |
| Benzene | **1.62** | J | 0.891 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Bromobenzene | ND | U | 0.983 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Bromochloromethane | ND | U | 0.871 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Bromodichloromethane | ND | U | 0.811 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Bromoform | ND | U | 0.667 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Bromomethane | ND | U | 1.76 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| n-Butylbenzene | ND | U | 1.08 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Carbon disulfide | ND | U | 0.862 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Carbon tetrachloride | ND | U | 0.868 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Chlorobenzene | ND | U | 0.772 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Chloroethane | ND | U | 0.459 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Chloroform | ND | U | 0.810 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Chloromethane | ND | U | 0.723 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Dibromochloromethane | ND | U | 0.845 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Dibromomethane | ND | U | 0.810 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |



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## Results of **SB11 (2.0-3.0)**

Client Sample ID: **SB11 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150014-B
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.00

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.725 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| cis-1,3-Dichloropropene | ND | U | 0.859 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| trans-1,3-Dichloropropene | ND | U | 0.894 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Diisopropyl Ether | ND | U | 0.896 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Ethyl Benzene | ND | U | 0.825 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Hexachlorobutadiene | ND | U | 1.37 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Isopropylbenzene (Cumene) | ND | U | 0.960 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Methyl iodide | ND | U | 0.844 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Methylene chloride | **4.72** | J | 0.696 | 19.9 | ug/Kg | 1 | 08/18/2011 17:04 |
| Naphthalene | ND | U | 1.21 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Styrene | ND | U | 0.983 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Tetrachloroethene | **8.90** | | 0.750 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Toluene | **1.68** | J | 0.808 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Trichloroethene | ND | U | 0.835 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Trichlorofluoromethane | ND | U | 0.752 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| Vinyl chloride | ND | U | 0.734 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| cis-1,2-Dichloroethene | ND | U | 0.773 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| m,p-Xylene | ND | U | 1.77 | 9.97 | ug/Kg | 1 | 08/18/2011 17:04 |
| n-Propylbenzene | ND | U | 0.972 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| o-Xylene | ND | U | 1.01 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| sec-Butylbenzene | ND | U | 1.04 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.850 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| tert-Butylbenzene | ND | U | 0.903 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| trans-1,2-Dichloroethene | ND | U | 0.859 | 4.99 | ug/Kg | 1 | 08/18/2011 17:04 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.40 | 24.9 | ug/Kg | 1 | 08/18/2011 17:04 |
| Unknown | **7.08** | TIC | | | ug/Kg | 1 | 08/18/2011 17:04 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 124 | | | 55.0-173 | % | 1 | 08/18/2011 17:04 |
| 4-Bromofluorobenzene | 84.0 | | | 23.0-141 | % | 1 | 08/18/2011 17:04 |
| Toluene d8 | 95.0 | | | 57.0-134 | % | 1 | 08/18/2011 17:04 |

## Batch Information

Analytical Batch: **VMS1467**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **08/18/2011 17:04**

Prep Batch: **VXX1943**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/18/2011 08:00**
Prep Initial Wt./Vol.: **5.51 g**
Prep Extract Vol: **5 mL**

Print Date: 01/06/2012

N.C. Certification # 481

Results of **SB11 (2.0-3.0)**

Client Sample ID: **SB11 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150014-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.00

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 30.2 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 1,2-Dichlorobenzene | ND | U | 17.1 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 1,3-Dichlorobenzene | ND | U | 23.1 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 1,4-Dichlorobenzene | ND | U | 24.2 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2,4,5-Trichlorophenol | ND | U | 22.9 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2,4,6-Trichlorophenol | ND | U | 23.2 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2,4-Dichlorophenol | ND | U | 19.8 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2,4-Dinitrophenol | ND | U | 31.7 | 684 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2,4-Dinitrotoluene | ND | U | 17.3 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2,6-Dinitrotoluene | ND | U | 24.5 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2-Chloronaphthalene | ND | U | 20.1 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2-Chlorophenol | ND | U | 18.2 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2-Methylnaphthalene | ND | U | 27.7 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2-Methylphenol | ND | U | 18.9 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2-Nitroaniline | ND | U | 22.5 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2-Nitrophenol | ND | U | 16.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 3 and/or 4-Methylphenol | ND | U | 22.2 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 3,3'-Dichlorobenzidine | ND | U | 16.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 3-Nitroaniline | ND | U | 15.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 4,6-Dinitro-2-methylphenol | ND | U | 16.1 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 4-Chloro-3-methylphenol | ND | U | 17.1 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 4-Chloroaniline | ND | U | 27.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 4-Chlorophenyl phenyl ether | ND | U | 36.6 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Acenaphthene | ND | U | 15.5 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Acenaphthylene | ND | U | 14.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Anthracene | ND | U | 15.2 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Benzo(a)anthracene | **44.4** | J | 18.8 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Benzo(a)pyrene | **54.7** | J | 19.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Benzo(b)fluoranthene | **82.0** | J | 19.7 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Benzo(g,h,i)perylene | ND | U | 54.5 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Benzo(k)fluoranthene | ND | U | 41.0 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Benzoic acid | ND | U | 7.60 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Bis(2-Chloroethoxy)methane | ND | U | 15.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Bis(2-Chloroethyl)ether | ND | U | 32.0 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Bis(2-Chloroisopropyl)ether | ND | U | 29.9 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 16.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 4-Bromophenyl phenyl ether | ND | U | 22.5 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Butyl benzyl phthalate | ND | U | 29.8 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Chrysene | **54.7** | J | 39.8 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Di-n-butyl phthalate | ND | U | 16.2 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Di-n-octyl phthalate | ND | U | 18.9 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Dibenz(a,h)anthracene | ND | U | 15.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Dibenzofuran | ND | U | 26.8 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |



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## Results of **SB11 (2.0-3.0)**

Client Sample ID: **SB11 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150014-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.00

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 18.5 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Dimethyl phthalate | ND | U | 26.3 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 2,4-Dimethylphenol | ND | U | 25.1 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Diphenylamine | ND | U | 15.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Fluoranthene | **92.2** | J | 32.2 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Fluorene | ND | U | 18.2 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Hexachlorobenzene | ND | U | 32.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Hexachlorobutadiene | ND | U | 20.5 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Hexachlorocyclopentadiene | ND | U | 104 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Hexachloroethane | ND | U | 19.7 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Indeno(1,2,3-cd)pyrene | **27.3** | J | 26.7 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Isophorone | ND | U | 15.5 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Naphthalene | ND | U | 29.6 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 4-Nitroaniline | ND | U | 19.7 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Nitrobenzene | ND | U | 19.7 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| 4-Nitrophenol | ND | U | 33.7 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Pentachlorophenol | ND | U | 27.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Phenanthrene | **44.4** | J | 22.5 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Phenol | ND | U | 32.0 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Pyrene | **85.4** | J | 14.4 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| n-Nitrosodi-n-propylamine | ND | U | 98.1 | 343 | ug/Kg | 1 | 08/21/2011 19:50 |
| Unknown | **914** | TIC | | | ug/Kg | 1 | 08/21/2011 19:50 |
| Dimethylnaphthalene, Isomer of | **327** | TIC | | | ug/Kg | 1 | 08/21/2011 19:50 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 59.0 | | | 41.0-129 | % | 1 | 08/21/2011 19:50 |
| 2-Fluorobiphenyl | 79.0 | | | 48.0-123 | % | 1 | 08/21/2011 19:50 |
| 2-Fluorophenol | 81.0 | | | 42.0-123 | % | 1 | 08/21/2011 19:50 |
| Nitrobenzene-d5 | 80.0 | | | 46.0-117 | % | 1 | 08/21/2011 19:50 |
| Phenol-d6 | 80.0 | | | 48.0-125 | % | 1 | 08/21/2011 19:50 |
| Terphenyl-d14 | 81.0 | | | 44.0-140 | % | 1 | 08/21/2011 19:50 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 19:50**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.13 g**
Prep Extract Vol: **10 mL**



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## Results of **SB11 (2.0-3.0)**

Client Sample ID: **SB11 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150014-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.00

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.509 | 4.07 | mg/kg | 1 | 08/16/2011 17:00 |
| Silver | **0.229** | J | 0.114 | 1.02 | mg/kg | 1 | 08/16/2011 17:00 |
| Arsenic | **0.488** | J | 0.371 | 1.02 | mg/kg | 1 | 08/16/2011 17:00 |
| Chromium | **25.1** | | 0.244 | 1.02 | mg/kg | 1 | 08/16/2011 17:00 |
| Copper | **29.8** | | 0.0823 | 1.02 | mg/kg | 1 | 08/16/2011 17:00 |
| Lead | **445** | | 8.11 | 10.2 | mg/kg | 10 | 08/17/2011 12:20 |
| Manganese | **95.3** | | 0.388 | 1.02 | mg/kg | 1 | 08/16/2011 17:00 |
| Nickel | **1.29** | | 0.392 | 1.02 | mg/kg | 1 | 08/16/2011 17:00 |
| Selenium | ND | U | 0.395 | 2.04 | mg/kg | 1 | 08/16/2011 17:00 |
| Zinc | **145** | | 11.4 | 20.4 | mg/kg | 10 | 08/17/2011 12:20 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 17:00**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 12:20**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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## Results of **SB11 (2.0-3.0)**

Client Sample ID: **SB11 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150014-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.00

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.786** | | 0.000951 | 0.0211 | mg/kg | 1 | 08/16/2011 16:28 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:28**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.52 g**
Prep Extract Vol: **50 mL**



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## Results of **SB11 (2.0-3.0)**

Client Sample ID: **SB11 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150014-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.00

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0181 | 0.102 | mg/kg | 10 | 08/19/2011 12:39 |
| Cadmium | **0.153** | | 0.0181 | 0.102 | mg/kg | 10 | 08/19/2011 12:39 |
| Thallium | ND | U | 0.0249 | 0.102 | mg/kg | 10 | 08/19/2011 12:39 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:39**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**



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Results of **SB11D (2.0-3.0)**

Client Sample ID: **SB11D (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150015-B
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.20

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.02 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,1,1-Trichloroethane | ND | U | 0.748 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.09 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,1,2-Trichloroethane | ND | U | 1.00 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,1-Dichloroethane | ND | U | 0.830 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,1-Dichloroethene | ND | U | 0.869 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,1-Dichloropropene | ND | U | 0.887 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,2,3-Trichlorobenzene | ND | U | 1.34 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,2,3-Trichloropropane | ND | U | 1.07 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,2,4-Trichlorobenzene | ND | U | 1.14 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,2,4-Trimethylbenzene | ND | U | 1.03 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.59 | 28.9 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,2-Dibromoethane | ND | U | 0.729 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,2-Dichlorobenzene | ND | U | 1.24 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,2-Dichloroethane | ND | U | 0.852 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,2-Dichloropropane | ND | U | 0.774 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,3,5-Trimethylbenzene | ND | U | 0.946 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,3-Dichlorobenzene | ND | U | 1.12 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,3-Dichloropropane | ND | U | 0.775 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 1,4-Dichlorobenzene | ND | U | 1.06 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 2,2-Dichloropropane | ND | U | 0.802 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 2-Butanone | **2.15** | J | 1.50 | 24.0 | ug/Kg | 1 | 08/19/2011 12:40 |
| 2-Chlorotoluene | ND | U | 1.08 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 2-Hexanone | ND | U | 1.88 | 12.0 | ug/Kg | 1 | 08/19/2011 12:40 |
| 4-Chlorotoluene | ND | U | 1.07 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 4-Isopropyltoluene | ND | U | 1.00 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| 4-Methyl-2-pentanone | ND | U | 3.09 | 12.0 | ug/Kg | 1 | 08/19/2011 12:40 |
| Acetone | **48.6** | | 1.19 | 48.1 | ug/Kg | 1 | 08/19/2011 12:40 |
| Benzene | **1.19** | J | 0.859 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Bromobenzene | ND | U | 0.948 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Bromochloromethane | ND | U | 0.840 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Bromodichloromethane | ND | U | 0.782 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Bromoform | ND | U | 0.643 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Bromomethane | ND | U | 1.69 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| n-Butylbenzene | ND | U | 1.04 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Carbon disulfide | ND | U | 0.831 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Carbon tetrachloride | ND | U | 0.837 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Chlorobenzene | ND | U | 0.744 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Chloroethane | ND | U | 0.442 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Chloroform | ND | U | 0.781 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Chloromethane | ND | U | 0.697 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Dibromochloromethane | ND | U | 0.815 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Dibromomethane | ND | U | 0.781 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |



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## Results of **SB11D (2.0-3.0)**

Client Sample ID: **SB11D (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150015-B
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.20

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.699 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| cis-1,3-Dichloropropene | ND | U | 0.828 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| trans-1,3-Dichloropropene | ND | U | 0.862 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Diisopropyl Ether | ND | U | 0.864 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Ethyl Benzene | ND | U | 0.795 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Hexachlorobutadiene | ND | U | 1.32 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Isopropylbenzene (Cumene) | ND | U | 0.926 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Methyl iodide | ND | U | 0.814 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Methylene chloride | **5.57** | J | 0.671 | 19.2 | ug/Kg | 1 | 08/19/2011 12:40 |
| Naphthalene | ND | U | 1.16 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Styrene | ND | U | 0.948 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Tetrachloroethene | **8.46** | | 0.723 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Toluene | **1.34** | J | 0.779 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Trichloroethene | ND | U | 0.805 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Trichlorofluoromethane | ND | U | 0.725 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| Vinyl chloride | ND | U | 0.708 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| cis-1,2-Dichloroethene | ND | U | 0.745 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| m,p-Xylene | ND | U | 1.70 | 9.62 | ug/Kg | 1 | 08/19/2011 12:40 |
| n-Propylbenzene | ND | U | 0.938 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| o-Xylene | ND | U | 0.971 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| sec-Butylbenzene | ND | U | 1.00 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.820 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| tert-Butylbenzene | ND | U | 0.871 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| trans-1,2-Dichloroethene | ND | U | 0.828 | 4.81 | ug/Kg | 1 | 08/19/2011 12:40 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.20 | 24.0 | ug/Kg | 1 | 08/19/2011 12:40 |
| Unknown | **14.1** | TIC | | | ug/Kg | 1 | 08/19/2011 12:40 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 127 | | | 55.0-173 | % | 1 | 08/19/2011 12:40 |
| 4-Bromofluorobenzene | 82.0 | | | 23.0-141 | % | 1 | 08/19/2011 12:40 |
| Toluene d8 | 94.0 | | | 57.0-134 | % | 1 | 08/19/2011 12:40 |

## Batch Information

Analytical Batch: **VMS1472**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **08/19/2011 12:40**

Prep Batch: **VXX1947**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/19/2011 08:00**
Prep Initial Wt./Vol.: **5.64 g**
Prep Extract Vol: **5 mL**



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Results of **SB11D (2.0-3.0)**

Client Sample ID: **SB11D (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150015-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.20

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 29.7 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 1,2-Dichlorobenzene | ND | U | 16.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 1,3-Dichlorobenzene | ND | U | 22.7 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 1,4-Dichlorobenzene | ND | U | 23.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2,4,5-Trichlorophenol | ND | U | 22.5 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2,4,6-Trichlorophenol | ND | U | 22.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2,4-Dichlorophenol | ND | U | 19.5 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2,4-Dinitrophenol | ND | U | 31.2 | 672 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2,4-Dinitrotoluene | ND | U | 17.0 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2,6-Dinitrotoluene | ND | U | 24.1 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2-Chloronaphthalene | ND | U | 19.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2-Chlorophenol | ND | U | 17.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2-Methylnaphthalene | ND | U | 27.2 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2-Methylphenol | ND | U | 18.6 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2-Nitroaniline | ND | U | 22.1 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2-Nitrophenol | ND | U | 16.1 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 3 and/or 4-Methylphenol | ND | U | 21.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 3,3'-Dichlorobenzidine | ND | U | 16.1 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 3-Nitroaniline | ND | U | 15.2 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 4,6-Dinitro-2-methylphenol | ND | U | 15.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 4-Chloro-3-methylphenol | ND | U | 16.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 4-Chloroaniline | ND | U | 26.9 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 4-Chlorophenyl phenyl ether | ND | U | 35.9 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Acenaphthene | ND | U | 15.3 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Acenaphthylene | ND | U | 14.2 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Anthracene | ND | U | 14.9 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Benzo(a)anthracene | **43.6** | J | 18.5 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Benzo(a)pyrene | **53.7** | J | 19.0 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Benzo(b)fluoranthene | **80.5** | J | 19.3 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Benzo(g,h,i)perylene | ND | U | 53.5 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Benzo(k)fluoranthene | ND | U | 40.3 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Benzoic acid | ND | U | 7.46 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Bis(2-Chloroethoxy)methane | ND | U | 15.2 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Bis(2-Chloroethyl)ether | ND | U | 31.4 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Bis(2-Chloroisopropyl)ether | ND | U | 29.3 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 16.1 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 4-Bromophenyl phenyl ether | ND | U | 22.1 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Butyl benzyl phthalate | ND | U | 29.2 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Chrysene | **50.3** | J | 39.1 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Di-n-butyl phthalate | ND | U | 15.9 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Di-n-octyl phthalate | ND | U | 18.6 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Dibenz(a,h)anthracene | ND | U | 15.2 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Dibenzofuran | ND | U | 26.3 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |



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## Results of **SB11D (2.0-3.0)**

Client Sample ID: **SB11D (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150015-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.20

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 18.2 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Dimethyl phthalate | ND | U | 25.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 2,4-Dimethylphenol | ND | U | 24.6 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Diphenylamine | ND | U | 15.2 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Fluoranthene | **83.9** | J | 31.6 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Fluorene | ND | U | 17.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Hexachlorobenzene | ND | U | 31.8 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Hexachlorobutadiene | ND | U | 20.1 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Hexachlorocyclopentadiene | ND | U | 102 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Hexachloroethane | ND | U | 19.3 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Indeno(1,2,3-cd)pyrene | ND | U | 26.2 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Isophorone | ND | U | 15.3 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Naphthalene | ND | U | 29.0 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 4-Nitroaniline | ND | U | 19.3 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Nitrobenzene | ND | U | 19.3 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| 4-Nitrophenol | ND | U | 33.1 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Pentachlorophenol | ND | U | 26.9 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Phenanthrene | **33.5** | J | 22.1 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Phenol | ND | U | 31.4 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Pyrene | **87.2** | J | 14.2 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| n-Nitrosodi-n-propylamine | ND | U | 96.3 | 336 | ug/Kg | 1 | 08/21/2011 20:14 |
| Unknown | **538** | TIC | | | ug/Kg | 1 | 08/21/2011 20:14 |
| 1-Pentadecanol | **194** | TIC | | | ug/Kg | 1 | 08/21/2011 20:14 |
| Alkane, Unknown | **258** | TIC | | | ug/Kg | 1 | 08/21/2011 20:14 |
| Dimethylnaphthalene, Isomer of | **406** | TIC | | | ug/Kg | 1 | 08/21/2011 20:14 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 63.0 | | | 41.0-129 | % | 1 | 08/21/2011 20:14 |
| 2-Fluorobiphenyl | 82.0 | | | 48.0-123 | % | 1 | 08/21/2011 20:14 |
| 2-Fluorophenol | 81.0 | | | 42.0-123 | % | 1 | 08/21/2011 20:14 |
| Nitrobenzene-d5 | 80.0 | | | 46.0-117 | % | 1 | 08/21/2011 20:14 |
| Phenol-d6 | 80.0 | | | 48.0-125 | % | 1 | 08/21/2011 20:14 |
| Terphenyl-d14 | 83.0 | | | 44.0-140 | % | 1 | 08/21/2011 20:14 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 20:14**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.3 g**
Prep Extract Vol: **10 mL**

Print Date: 01/06/2012

N.C. Certification # 481

## Results of **SB11D (2.0-3.0)**

Client Sample ID: **SB11D (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150015-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.20

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.460 | 3.68 | mg/kg | 1 | 08/16/2011 17:07 |
| Silver | **0.214** | J | 0.103 | 0.919 | mg/kg | 1 | 08/16/2011 17:07 |
| Arsenic | ND | U | 0.336 | 0.919 | mg/kg | 1 | 08/16/2011 17:07 |
| Chromium | **11.0** | | 0.221 | 0.919 | mg/kg | 1 | 08/16/2011 17:07 |
| Copper | **25.9** | | 0.0744 | 0.919 | mg/kg | 1 | 08/16/2011 17:07 |
| Lead | **257** | | 7.33 | 9.19 | mg/kg | 10 | 08/17/2011 12:27 |
| Manganese | **87.5** | | 0.350 | 0.919 | mg/kg | 1 | 08/16/2011 17:07 |
| Nickel | **0.820** | J | 0.354 | 0.919 | mg/kg | 1 | 08/16/2011 17:07 |
| Selenium | ND | U | 0.357 | 1.84 | mg/kg | 1 | 08/16/2011 17:07 |
| Zinc | **111** | | 10.3 | 18.4 | mg/kg | 10 | 08/17/2011 12:27 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 17:07**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/17/2011 12:27**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**



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## Results of **SB11D (2.0-3.0)**

Client Sample ID: **SB11D (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150015-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.20

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.644** | | 0.000842 | 0.0187 | mg/kg | 1 | 08/16/2011 16:31 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:31**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.58 g**
Prep Extract Vol: **50 mL**



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## Results of **SB11D (2.0-3.0)**

Client Sample ID: **SB11D (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150015-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 92.20

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0164 | 0.0919 | mg/kg | 10 | 08/19/2011 12:41 |
| Cadmium | **0.110** | | 0.0164 | 0.0919 | mg/kg | 10 | 08/19/2011 12:41 |
| Thallium | ND | U | 0.0225 | 0.0919 | mg/kg | 10 | 08/19/2011 12:41 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:41**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**



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Results of **SB12 (2.0-3.0)**

Client Sample ID: **SB12 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150016-A
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:45
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 83.50

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.13 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,1,1-Trichloroethane | ND | U | 0.832 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.21 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,1,2-Trichloroethane | ND | U | 1.11 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,1-Dichloroethane | ND | U | 0.923 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,1-Dichloroethene | ND | U | 0.965 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,1-Dichloropropene | ND | U | 0.986 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,2,3-Trichlorobenzene | ND | U | 1.49 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,2,3-Trichloropropane | ND | U | 1.19 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,2,4-Trichlorobenzene | ND | U | 1.27 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,2,4-Trimethylbenzene | ND | U | 1.14 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,2-Dibromo-3-chloropropane | ND | U | 6.21 | 32.1 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,2-Dibromoethane | ND | U | 0.810 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,2-Dichlorobenzene | ND | U | 1.38 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,2-Dichloroethane | ND | U | 0.947 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,2-Dichloropropane | ND | U | 0.861 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,3,5-Trimethylbenzene | ND | U | 1.05 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,3-Dichlorobenzene | ND | U | 1.24 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,3-Dichloropropane | ND | U | 0.862 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 1,4-Dichlorobenzene | ND | U | 1.18 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 2,2-Dichloropropane | ND | U | 0.892 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 2-Butanone | ND | U | 1.67 | 26.7 | ug/Kg | 1 | 08/16/2011 20:02 |
| 2-Chlorotoluene | ND | U | 1.20 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 2-Hexanone | ND | U | 2.08 | 13.4 | ug/Kg | 1 | 08/16/2011 20:02 |
| 4-Chlorotoluene | ND | U | 1.19 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 4-Isopropyltoluene | ND | U | 1.11 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| 4-Methyl-2-pentanone | ND | U | 3.43 | 13.4 | ug/Kg | 1 | 08/16/2011 20:02 |
| Acetone | **27.0** | J | 1.33 | 53.5 | ug/Kg | 1 | 08/16/2011 20:02 |
| Benzene | ND | U | 0.955 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Bromobenzene | ND | U | 1.05 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Bromochloromethane | ND | U | 0.933 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Bromodichloromethane | ND | U | 0.869 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Bromoform | ND | U | 0.715 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Bromomethane | ND | U | 1.88 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| n-Butylbenzene | ND | U | 1.15 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Carbon disulfide | ND | U | 0.924 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Carbon tetrachloride | ND | U | 0.930 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Chlorobenzene | ND | U | 0.827 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Chloroethane | ND | U | 0.492 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Chloroform | ND | U | 0.868 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Chloromethane | ND | U | 0.775 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Dibromochloromethane | ND | U | 0.905 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Dibromomethane | ND | U | 0.868 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |



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## Results of **SB12 (2.0-3.0)**

Client Sample ID: **SB12 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150016-A
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:45
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 83.50

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.777 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| cis-1,3-Dichloropropene | ND | U | 0.920 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| trans-1,3-Dichloropropene | ND | U | 0.958 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Diisopropyl Ether | ND | U | 0.960 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Ethyl Benzene | ND | U | 0.884 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Hexachlorobutadiene | ND | U | 1.46 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Isopropylbenzene (Cumene) | ND | U | 1.03 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Methyl iodide | ND | U | 0.904 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Methylene chloride | **4.00** | J | 0.746 | 21.4 | ug/Kg | 1 | 08/16/2011 20:02 |
| Naphthalene | ND | U | 1.29 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Styrene | ND | U | 1.05 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Tetrachloroethene | **9.08** | | 0.804 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Toluene | ND | U | 0.866 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Trichloroethene | ND | U | 0.895 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Trichlorofluoromethane | ND | U | 0.806 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| Vinyl chloride | ND | U | 0.787 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| cis-1,2-Dichloroethene | ND | U | 0.829 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| m,p-Xylene | ND | U | 1.89 | 10.7 | ug/Kg | 1 | 08/16/2011 20:02 |
| n-Propylbenzene | ND | U | 1.04 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| o-Xylene | ND | U | 1.08 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| sec-Butylbenzene | ND | U | 1.11 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.911 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| tert-Butylbenzene | ND | U | 0.969 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| trans-1,2-Dichloroethene | ND | U | 0.920 | 5.35 | ug/Kg | 1 | 08/16/2011 20:02 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.78 | 26.7 | ug/Kg | 1 | 08/16/2011 20:02 |
| Unknown | **6.95** | TIC | | | ug/Kg | 1 | 08/16/2011 20:02 |
| Unknown | **6.09** | TIC | | | ug/Kg | 1 | 08/16/2011 20:02 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 147 | | | 55.0-173 | % | 1 | 08/16/2011 20:02 |
| 4-Bromofluorobenzene | 67.0 | | | 23.0-141 | % | 1 | 08/16/2011 20:02 |
| Toluene d8 | 87.0 | | | 57.0-134 | % | 1 | 08/16/2011 20:02 |

## Batch Information

Analytical Batch: **VMS1465**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **08/16/2011 20:02**

Prep Batch: **VXX1940**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/16/2011 08:00**
Prep Initial Wt./Vol.: **5.6 g**
Prep Extract Vol: **5 mL**



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Results of **SB12 (2.0-3.0)**

Client Sample ID: **SB12 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150016-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:45
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 83.50

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 32.6 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 1,2-Dichlorobenzene | ND | U | 18.4 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 1,3-Dichlorobenzene | ND | U | 24.9 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 1,4-Dichlorobenzene | ND | U | 26.1 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2,4,5-Trichlorophenol | ND | U | 24.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2,4,6-Trichlorophenol | ND | U | 25.0 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2,4-Dichlorophenol | ND | U | 21.4 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2,4-Dinitrophenol | ND | U | 34.3 | 738 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2,4-Dinitrotoluene | ND | U | 18.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2,6-Dinitrotoluene | ND | U | 26.5 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2-Chloronaphthalene | ND | U | 21.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2-Chlorophenol | ND | U | 19.6 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2-Methylnaphthalene | ND | U | 29.9 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2-Methylphenol | ND | U | 20.4 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2-Nitroaniline | ND | U | 24.3 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2-Nitrophenol | ND | U | 17.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 3 and/or 4-Methylphenol | ND | U | 24.0 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 3,3'-Dichlorobenzidine | ND | U | 17.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 3-Nitroaniline | ND | U | 16.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 4,6-Dinitro-2-methylphenol | ND | U | 17.4 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 4-Chloro-3-methylphenol | ND | U | 18.4 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 4-Chloroaniline | ND | U | 29.5 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 4-Chlorophenyl phenyl ether | ND | U | 39.5 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Acenaphthene | ND | U | 16.8 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Acenaphthylene | ND | U | 15.6 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Anthracene | ND | U | 16.4 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Benzo(a)anthracene | ND | U | 20.3 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Benzo(a)pyrene | ND | U | 20.9 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Benzo(b)fluoranthene | ND | U | 21.3 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Benzo(g,h,i)perylene | ND | U | 58.8 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Benzo(k)fluoranthene | ND | U | 44.3 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Benzoic acid | ND | U | 8.20 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Bis(2-Chloroethoxy)methane | ND | U | 16.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Bis(2-Chloroethyl)ether | ND | U | 34.5 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Bis(2-Chloroisopropyl)ether | ND | U | 32.3 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 17.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 4-Bromophenyl phenyl ether | ND | U | 24.3 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Butyl benzyl phthalate | ND | U | 32.1 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Chrysene | ND | U | 43.0 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Di-n-butyl phthalate | ND | U | 17.5 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Di-n-octyl phthalate | ND | U | 20.4 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Dibenz(a,h)anthracene | ND | U | 16.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Dibenzofuran | ND | U | 28.9 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |

Print Date: 01/06/2012

N.C. Certification # 481

## Results of **SB12 (2.0-3.0)**

Client Sample ID: **SB12 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150016-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:45
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 83.50

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 20.0 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Dimethyl phthalate | ND | U | 28.4 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 2,4-Dimethylphenol | ND | U | 27.1 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Diphenylamine | ND | U | 16.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Fluoranthene | ND | U | 34.7 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Fluorene | ND | U | 19.6 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Hexachlorobenzene | ND | U | 35.0 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Hexachlorobutadiene | ND | U | 22.1 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Hexachlorocyclopentadiene | ND | U | 112 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Hexachloroethane | ND | U | 21.3 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Indeno(1,2,3-cd)pyrene | ND | U | 28.8 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Isophorone | ND | U | 16.8 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Naphthalene | ND | U | 31.9 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 4-Nitroaniline | ND | U | 21.3 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Nitrobenzene | ND | U | 21.3 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| 4-Nitrophenol | ND | U | 36.4 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Pentachlorophenol | ND | U | 29.5 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Phenanthrene | ND | U | 24.3 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Phenol | ND | U | 34.5 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Pyrene | ND | U | 15.6 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| n-Nitrosodi-n-propylamine | ND | U | 106 | 370 | ug/Kg | 1 | 08/21/2011 20:37 |
| Unknown | **452** | TIC | | | ug/Kg | 1 | 08/21/2011 20:37 |
| Alcohol, Unknown | **339** | TIC | | | ug/Kg | 1 | 08/21/2011 20:37 |
| Dimethylnaphthalene, Isomer of | **749** | TIC | | | ug/Kg | 1 | 08/21/2011 20:37 |
| Alkane, Unknown | **319** | TIC | | | ug/Kg | 1 | 08/21/2011 20:37 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 52.0 | | | 41.0-129 | % | 1 | 08/21/2011 20:37 |
| 2-Fluorobiphenyl | 61.0 | | | 48.0-123 | % | 1 | 08/21/2011 20:37 |
| 2-Fluorophenol | 73.0 | | | 42.0-123 | % | 1 | 08/21/2011 20:37 |
| Nitrobenzene-d5 | 72.0 | | | 46.0-117 | % | 1 | 08/21/2011 20:37 |
| Phenol-d6 | 73.0 | | | 48.0-125 | % | 1 | 08/21/2011 20:37 |
| Terphenyl-d14 | 63.0 | | | 44.0-140 | % | 1 | 08/21/2011 20:37 |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 20:37**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32.43 g**
Prep Extract Vol: **10 mL**

Print Date: 01/06/2012

N.C. Certification # 481

## Results of **SB12 (2.0-3.0)**

Client Sample ID: **SB12 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150016-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:45
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 83.50

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.535 | 4.28 | mg/kg | 1 | 08/16/2011 17:27 |
| Silver | ND | U | 0.120 | 1.07 | mg/kg | 1 | 08/16/2011 17:27 |
| Arsenic | ND | U | 0.390 | 1.07 | mg/kg | 1 | 08/16/2011 17:27 |
| Chromium | **0.982** | J | 0.257 | 1.07 | mg/kg | 1 | 08/16/2011 17:27 |
| Copper | **5.53** | | 0.0865 | 1.07 | mg/kg | 1 | 08/16/2011 17:27 |
| Lead | **29.2** | | 0.852 | 1.07 | mg/kg | 1 | 08/16/2011 17:27 |
| Manganese | **28.5** | | 0.407 | 1.07 | mg/kg | 1 | 08/16/2011 17:27 |
| Nickel | **0.582** | J | 0.412 | 1.07 | mg/kg | 1 | 08/16/2011 17:27 |
| Selenium | **0.430** | J | 0.415 | 2.14 | mg/kg | 1 | 08/16/2011 17:27 |
| Zinc | **8.46** | | 1.20 | 2.14 | mg/kg | 1 | 08/16/2011 17:27 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 17:27**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.56 g**
Prep Extract Vol: **50 mL**



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## Results of **SB12 (2.0-3.0)**

Client Sample ID: **SB12 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150016-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:45
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 83.50

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.107** | | 0.000980 | 0.0218 | mg/kg | 1 | 08/16/2011 16:33 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:33**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**



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## Results of **SB12 (2.0-3.0)**

Client Sample ID: **SB12 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150016-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:45
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 83.50

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0190 | 0.107 | mg/kg | 10 | 08/19/2011 12:50 |
| Cadmium | ND | U | 0.0190 | 0.107 | mg/kg | 10 | 08/19/2011 12:50 |
| Thallium | ND | U | 0.0262 | 0.107 | mg/kg | 10 | 08/19/2011 12:50 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:50**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.56 g**
Prep Extract Vol: **50 mL**



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Results of **SB13 (2.0-3.0)**

Client Sample ID: **SB13 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150017-D
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 73.80

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 6.25 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,1,1-Trichloroethane | ND | U | 7.39 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,1,2,2-Tetrachloroethane | ND | U | 9.37 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,1,2-Trichloroethane | ND | U | 7.57 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,1-Dichloroethane | ND | U | 9.91 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,1-Dichloroethene | ND | U | 12.7 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,1-Dichloropropene | ND | U | 5.18 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,2,3-Trichlorobenzene | ND | U | 6.61 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,2,3-Trichloropropane | ND | U | 12.7 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,2,4-Trichlorobenzene | ND | U | 5.48 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,2,4-Trimethylbenzene | ND | U | 5.77 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,2-Dibromo-3-chloropropane | ND | U | 44.9 | 300 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,2-Dibromoethane | ND | U | 7.21 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,2-Dichlorobenzene | ND | U | 8.23 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,2-Dichloroethane | ND | U | 10.0 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,2-Dichloropropane | ND | U | 9.79 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,3,5-Trimethylbenzene | ND | U | 6.79 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,3-Dichlorobenzene | ND | U | 6.19 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,3-Dichloropropane | ND | U | 7.81 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 1,4-Dichlorobenzene | ND | U | 7.81 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 2,2-Dichloropropane | ND | U | 23.6 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 2-Butanone | ND | U | 43.4 | 1500 | ug/Kg | 50 | 08/17/2011 20:43 |
| 2-Chlorotoluene | ND | U | 6.79 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 2-Hexanone | ND | U | 43.7 | 300 | ug/Kg | 50 | 08/17/2011 20:43 |
| 4-Chlorotoluene | ND | U | 7.51 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 4-Isopropyltoluene | **743** | | 4.62 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| 4-Methyl-2-pentanone | ND | U | 33.5 | 300 | ug/Kg | 50 | 08/17/2011 20:43 |
| Acetone | ND | U | 51.9 | 1500 | ug/Kg | 50 | 08/17/2011 20:43 |
| Benzene | ND | U | 6.79 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Bromobenzene | ND | U | 6.61 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Bromochloromethane | ND | U | 12.7 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Bromodichloromethane | ND | U | 6.61 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Bromoform | ND | U | 5.85 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Bromomethane | ND | U | 14.2 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| n-Butylbenzene | ND | U | 4.62 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Carbon disulfide | ND | U | 6.37 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Carbon tetrachloride | ND | U | 6.07 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Chlorobenzene | ND | U | 6.97 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Chloroethane | ND | U | 18.7 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Chloroform | ND | U | 8.35 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Chloromethane | ND | U | 26.9 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Dibromochloromethane | ND | U | 8.05 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Dibromomethane | ND | U | 10.1 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |



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## Results of **SB13 (2.0-3.0)**

Client Sample ID: **SB13 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150017-D
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 73.80

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 10.3 | 300 | ug/Kg | 50 | 08/17/2011 20:43 |
| cis-1,3-Dichloropropene | ND | U | 4.61 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| trans-1,3-Dichloropropene | ND | U | 5.18 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Diisopropyl Ether | ND | U | 17.7 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Ethyl Benzene | ND | U | 5.27 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Hexachlorobutadiene | ND | U | 4.76 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Isopropylbenzene (Cumene) | ND | U | 5.22 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Methyl iodide | ND | U | 6.91 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Methylene chloride | **10.8** | J | 9.13 | 300 | ug/Kg | 50 | 08/17/2011 20:43 |
| Naphthalene | ND | U | 5.14 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Styrene | ND | U | 6.13 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Tetrachloroethene | **21.6** | J | 9.31 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Toluene | ND | U | 7.99 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Trichloroethene | ND | U | 7.51 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Trichlorofluoromethane | ND | U | 8.23 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| Vinyl chloride | ND | U | 7.45 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| cis-1,2-Dichloroethene | ND | U | 8.17 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| m,p-Xylene | ND | U | 10.9 | 120 | ug/Kg | 50 | 08/17/2011 20:43 |
| n-Propylbenzene | ND | U | 6.79 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| o-Xylene | ND | U | 5.25 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| sec-Butylbenzene | ND | U | 6.73 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| tert-Butyl methyl ether (MTBE) | ND | U | 8.65 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| tert-Butylbenzene | ND | U | 5.14 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| trans-1,2-Dichloroethene | ND | U | 13.4 | 60.1 | ug/Kg | 50 | 08/17/2011 20:43 |
| trans-1,4-Dichloro-2-butene | ND | U | 24.9 | 300 | ug/Kg | 50 | 08/17/2011 20:43 |
| alpha-Pinene | **2060** | TIC | | | ug/Kg | 50 | 08/17/2011 20:43 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 102 | | | 55.0-173 | % | 50 | 08/17/2011 20:43 |
| 4-Bromofluorobenzene | 98.0 | | | 23.0-141 | % | 50 | 08/17/2011 20:43 |
| Toluene d8 | 99.0 | | | 57.0-134 | % | 50 | 08/17/2011 20:43 |

## Batch Information

Analytical Batch: **VMS1464**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**
Analytical Date/Time: **08/17/2011 20:43**

Prep Batch: **VXX1941**
Prep Method: **SW-846 5035 SM**
Prep Date/Time: **08/17/2011 09:56**
Prep Initial Wt./Vol.: **5.64 g**
Prep Extract Vol: **5 mL**



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Results of **SB13 (2.0-3.0)**

Client Sample ID: **SB13 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150017-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 73.80

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | ND | U | 37.4 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 1,2-Dichlorobenzene | ND | U | 21.1 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 1,3-Dichlorobenzene | ND | U | 28.6 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 1,4-Dichlorobenzene | ND | U | 30.0 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2,4,5-Trichlorophenol | ND | U | 28.3 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2,4,6-Trichlorophenol | ND | U | 28.7 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2,4-Dichlorophenol | ND | U | 24.5 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2,4-Dinitrophenol | ND | U | 39.3 | 847 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2,4-Dinitrotoluene | ND | U | 21.4 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2,6-Dinitrotoluene | ND | U | 30.4 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2-Chloronaphthalene | ND | U | 24.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2-Chlorophenol | ND | U | 22.5 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2-Methylnaphthalene | ND | U | 34.3 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2-Methylphenol | ND | U | 23.4 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2-Nitroaniline | ND | U | 27.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2-Nitrophenol | ND | U | 20.3 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 3 and/or 4-Methylphenol | ND | U | 27.5 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 3,3'-Dichlorobenzidine | ND | U | 20.3 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 3-Nitroaniline | ND | U | 19.1 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 4,6-Dinitro-2-methylphenol | ND | U | 19.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 4-Chloro-3-methylphenol | ND | U | 21.1 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 4-Chloroaniline | ND | U | 33.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 4-Chlorophenyl phenyl ether | ND | U | 45.3 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Acenaphthene | ND | U | 19.2 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Acenaphthylene | ND | U | 17.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Anthracene | ND | U | 18.8 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Benzo(a)anthracene | **71.9** | J | 23.3 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Benzo(a)pyrene | **80.4** | J | 24.0 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Benzo(b)fluoranthene | **114** | J | 24.4 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Benzo(g,h,i)perylene | ND | U | 67.5 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Benzo(k)fluoranthene | ND | U | 50.8 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Benzoic acid | ND | U | 9.41 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Bis(2-Chloroethoxy)methane | ND | U | 19.1 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Bis(2-Chloroethyl)ether | ND | U | 39.6 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Bis(2-Chloroisopropyl)ether | ND | U | 37.0 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 20.3 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 4-Bromophenyl phenyl ether | ND | U | 27.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Butyl benzyl phthalate | ND | U | 36.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Chrysene | **71.9** | J | 49.3 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Di-n-butyl phthalate | ND | U | 20.1 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Di-n-octyl phthalate | ND | U | 23.4 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Dibenz(a,h)anthracene | ND | U | 19.1 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Dibenzofuran | ND | U | 33.2 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |



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Results of **SB13 (2.0-3.0)**

Client Sample ID: **SB13 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150017-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 73.80

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Diethyl phthalate | ND | U | 22.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Dimethyl phthalate | ND | U | 32.5 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 2,4-Dimethylphenol | ND | U | 31.0 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Diphenylamine | ND | U | 19.1 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Fluoranthene | **118** | J | 39.8 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Fluorene | ND | U | 22.5 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Hexachlorobenzene | ND | U | 40.1 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Hexachlorobutadiene | ND | U | 25.3 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Hexachlorocyclopentadiene | ND | U | 128 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Hexachloroethane | ND | U | 24.4 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Indeno(1,2,3-cd)pyrene | **38.1** | J | 33.1 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Isophorone | ND | U | 19.2 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Naphthalene | ND | U | 36.6 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 4-Nitroaniline | ND | U | 24.4 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Nitrobenzene | ND | U | 24.4 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 4-Nitrophenol | ND | U | 41.7 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Pentachlorophenol | ND | U | 33.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Phenanthrene | ND | U | 27.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Phenol | ND | U | 39.6 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| Pyrene | **127** | J | 17.9 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| n-Nitrosodi-n-propylamine | ND | U | 121 | 424 | ug/Kg | 1 | 08/21/2011 21:00 |
| 9-Octadecenamide, (Z)- | **230** | TIC | | | ug/Kg | 1 | 08/21/2011 21:00 |
| Benzene, 1-methyl-2-(1-methyle | **5150** | TIC | | | ug/Kg | 1 | 08/21/2011 21:00 |
| Alkane, Unknown | **615** | TIC | | | ug/Kg | 1 | 08/21/2011 21:00 |
| Alcohol, Unknown | **287** | TIC | | | ug/Kg | 1 | 08/21/2011 21:00 |
| Trimethylnaphthalene, Isomer o | **1470** | TIC | | | ug/Kg | 1 | 08/21/2011 21:00 |
| Aromatic, Unknown | **948** | TIC | | | ug/Kg | 1 | 08/21/2011 21:00 |
| Unknown | **355** | TIC | | | ug/Kg | 1 | 08/21/2011 21:00 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 49.0 | | | 41.0-129 | % | 1 | 08/21/2011 21:00 |
| 2-Fluorobiphenyl | 62.0 | | | 48.0-123 | % | 1 | 08/21/2011 21:00 |
| 2-Fluorophenol | 72.0 | | | 42.0-123 | % | 1 | 08/21/2011 21:00 |
| Nitrobenzene-d5 | 65.0 | | | 46.0-117 | % | 1 | 08/21/2011 21:00 |
| Phenol-d6 | 71.0 | | | 48.0-125 | % | 1 | 08/21/2011 21:00 |
| Terphenyl-d14 | 66.0 | | | 44.0-140 | % | 1 | 08/21/2011 21:00 |



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## Results of **SB13 (2.0-3.0)**

Client Sample ID: **SB13 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150017-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 73.80

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|

### Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**
Analytical Date/Time: **08/21/2011 21:00**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Prep Initial Wt./Vol.: **32 g**
Prep Extract Vol: **10 mL**

Print Date: 01/06/2012

N.C. Certification # 481

## Results of **SB13 (2.0-3.0)**

Client Sample ID: **SB13 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150017-E
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 73.80

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.594 | 4.76 | mg/kg | 1 | 08/16/2011 17:34 |
| Silver | ND | U | 0.133 | 1.19 | mg/kg | 1 | 08/16/2011 17:34 |
| Arsenic | ND | U | 0.434 | 1.19 | mg/kg | 1 | 08/16/2011 17:34 |
| Chromium | **2.41** | | 0.285 | 1.19 | mg/kg | 1 | 08/16/2011 17:34 |
| Copper | **14.9** | | 0.0962 | 1.19 | mg/kg | 1 | 08/16/2011 17:34 |
| Lead | **40.5** | | 0.948 | 1.19 | mg/kg | 1 | 08/16/2011 17:34 |
| Manganese | **23.8** | | 0.453 | 1.19 | mg/kg | 1 | 08/16/2011 17:34 |
| Nickel | **0.826** | J | 0.458 | 1.19 | mg/kg | 1 | 08/16/2011 17:34 |
| Selenium | ND | U | 0.461 | 2.38 | mg/kg | 1 | 08/16/2011 17:34 |
| Zinc | **41.7** | | 1.33 | 2.38 | mg/kg | 1 | 08/16/2011 17:34 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **08/16/2011 17:34**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**

Print Date: 01/06/2012

N.C. Certification # 481

## Results of **SB13 (2.0-3.0)**

Client Sample ID: **SB13 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150017-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 73.80

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.165** | | 0.00120 | 0.0266 | mg/kg | 1 | 08/16/2011 16:35 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **08/16/2011 16:35**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**



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## Results of **SB13 (2.0-3.0)**

Client Sample ID: **SB13 (2.0-3.0)**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150017-F
Lab Project ID: 31102150

Collection Date: 08/12/2011 08:20
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 73.80

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.0212 | 0.119 | mg/kg | 10 | 08/19/2011 12:52 |
| Cadmium | ND | U | 0.0212 | 0.119 | mg/kg | 10 | 08/19/2011 12:52 |
| Thallium | ND | U | 0.0291 | 0.119 | mg/kg | 10 | 08/19/2011 12:52 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **08/19/2011 12:52**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**



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## Results of **Trip Blank**

Client Sample ID: **Trip Blank**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150018-A
Lab Project ID: 31102150

Collection Date: 08/12/2011 00:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 100.00

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.06 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,1,1-Trichloroethane | ND | U | 0.778 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.13 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,1,2-Trichloroethane | ND | U | 1.04 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,1-Dichloroethane | ND | U | 0.863 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,1-Dichloroethene | ND | U | 0.903 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,1-Dichloropropene | ND | U | 0.922 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,2,3-Trichlorobenzene | ND | U | 1.39 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,2,3-Trichloropropane | ND | U | 1.11 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,2,4-Trichlorobenzene | ND | U | 1.19 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,2,4-Trimethylbenzene | ND | U | 1.07 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.81 | 30.0 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,2-Dibromoethane | ND | U | 0.758 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,2-Dichlorobenzene | ND | U | 1.29 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,2-Dichloroethane | ND | U | 0.886 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,2-Dichloropropane | ND | U | 0.805 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,3,5-Trimethylbenzene | ND | U | 0.984 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,3-Dichlorobenzene | ND | U | 1.16 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,3-Dichloropropane | ND | U | 0.806 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 1,4-Dichlorobenzene | ND | U | 1.10 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 2,2-Dichloropropane | ND | U | 0.834 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 2-Butanone | ND | U | 1.56 | 25.0 | ug/Kg | 1 | 08/16/2011 17:31 |
| 2-Chlorotoluene | ND | U | 1.12 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 2-Hexanone | ND | U | 1.95 | 12.5 | ug/Kg | 1 | 08/16/2011 17:31 |
| 4-Chlorotoluene | ND | U | 1.11 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 4-Isopropyltoluene | ND | U | 1.04 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| 4-Methyl-2-pentanone | ND | U | 3.21 | 12.5 | ug/Kg | 1 | 08/16/2011 17:31 |
| Acetone | ND | U | 1.24 | 50.0 | ug/Kg | 1 | 08/16/2011 17:31 |
| Benzene | ND | U | 0.893 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Bromobenzene | ND | U | 0.986 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Bromochloromethane | ND | U | 0.873 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Bromodichloromethane | ND | U | 0.813 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Bromoform | ND | U | 0.669 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Bromomethane | ND | U | 1.76 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| n-Butylbenzene | ND | U | 1.08 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Carbon disulfide | ND | U | 0.864 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Carbon tetrachloride | ND | U | 0.870 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Chlorobenzene | ND | U | 0.774 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Chloroethane | ND | U | 0.460 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Chloroform | ND | U | 0.812 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Chloromethane | ND | U | 0.725 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Dibromochloromethane | ND | U | 0.847 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Dibromomethane | ND | U | 0.812 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |



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## Results of **Trip Blank**

Client Sample ID: **Trip Blank**
Client Project ID: **Coca-cola Vehicle Maint. Fac.**
Lab Sample ID: 31102150018-A
Lab Project ID: 31102150

Collection Date: 08/12/2011 00:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 100.00

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.727 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| cis-1,3-Dichloropropene | ND | U | 0.861 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| trans-1,3-Dichloropropene | ND | U | 0.896 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Diisopropyl Ether | ND | U | 0.898 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Ethyl Benzene | ND | U | 0.827 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Hexachlorobutadiene | ND | U | 1.37 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Isopropylbenzene (Cumene) | ND | U | 0.963 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Methyl iodide | ND | U | 0.846 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Methylene chloride | **2.64** | J | 0.698 | 20.0 | ug/Kg | 1 | 08/16/2011 17:31 |
| Naphthalene | ND | U | 1.21 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Styrene | ND | U | 0.986 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Tetrachloroethene | ND | U | 0.752 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Toluene | ND | U | 0.810 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Trichloroethene | ND | U | 0.837 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Trichlorofluoromethane | ND | U | 0.754 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| Vinyl chloride | ND | U | 0.736 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| cis-1,2-Dichloroethene | ND | U | 0.775 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| m,p-Xylene | ND | U | 1.77 | 10.0 | ug/Kg | 1 | 08/16/2011 17:31 |
| n-Propylbenzene | ND | U | 0.975 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| o-Xylene | ND | U | 1.01 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| sec-Butylbenzene | ND | U | 1.04 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.852 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| tert-Butylbenzene | ND | U | 0.906 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| trans-1,2-Dichloroethene | ND | U | 0.861 | 5.00 | ug/Kg | 1 | 08/16/2011 17:31 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.41 | 25.0 | ug/Kg | 1 | 08/16/2011 17:31 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 118 | | | 55.0-173 | % | 1 | 08/16/2011 17:31 |
| 4-Bromofluorobenzene | 102 | | | 23.0-141 | % | 1 | 08/16/2011 17:31 |
| Toluene d8 | 99.0 | | | 57.0-134 | % | 1 | 08/16/2011 17:31 |

## Batch Information

Analytical Batch: **VMS1462**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**
Analytical Date/Time: **08/16/2011 17:31**

Prep Batch: **VXX1935**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/16/2011 08:00**
Prep Initial Wt./Vol.: **5 g**
Prep Extract Vol: **5 mL**



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## Batch Summary

Analytical Method: SW-846 8260B

Prep Method: SW-846 5035 SL
Prep Batch: VXX1935
Prep Date: 08/16/2011 08:00

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| LCS-S for HBN 10300 [VXX/1935] | 35972 | 08/16/2011 15:20 | VMS1462 | MSD4 | DVO |
| LCSD-S for HBN 10300 [VXX/1935 | 35973 | 08/16/2011 15:46 | VMS1462 | MSD4 | DVO |
| MB-S for HBN 10300 [VXX/1935] | 35974 | 08/16/2011 16:38 | VMS1462 | MSD4 | DVO |
| Trip Blank | 31102150018 | 08/16/2011 17:31 | VMS1462 | MSD4 | DVO |
| SB03 (1.5-2.5) | 31102150006 | 08/16/2011 18:23 | VMS1462 | MSD4 | DVO |
| SB01 (1.0-2.0) | 31102150001 | 08/16/2011 23:11 | VMS1462 | MSD4 | DVO |
| SB03 (0.5-1.5) | 31102150005 | 08/16/2011 23:37 | VMS1462 | MSD4 | DVO |
| E11-154-S2 MS | 31102153006 | 08/17/2011 00:29 | VMS1462 | MSD4 | DVO |
| E11-154-S2 MSD | 31102153007 | 08/17/2011 00:55 | VMS1462 | MSD4 | DVO |



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## Method Blank

Blank ID: MB-S for HBN 10300 [VXX/1935]
Blank Lab ID: 35974
QC for Samples:
31102150001, 31102150005, 31102150006, 31102150018

Matrix: Soil-Solid as dry weight

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.727 | 5.00 | ug/Kg | 1 |
| Chloromethane | ND | U | 0.725 | 5.00 | ug/Kg | 1 |
| Vinyl chloride | ND | U | 0.736 | 5.00 | ug/Kg | 1 |
| Bromomethane | ND | U | 1.76 | 5.00 | ug/Kg | 1 |
| Chloroethane | ND | U | 0.460 | 5.00 | ug/Kg | 1 |
| Trichlorofluoromethane | ND | U | 0.754 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloroethene | ND | U | 0.903 | 5.00 | ug/Kg | 1 |
| Acetone | ND | U | 1.24 | 50.0 | ug/Kg | 1 |
| Methylene chloride | ND | U | 0.698 | 20.0 | ug/Kg | 1 |
| trans-1,2-Dichloroethene | ND | U | 0.861 | 5.00 | ug/Kg | 1 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.852 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloroethane | ND | U | 0.863 | 5.00 | ug/Kg | 1 |
| Diisopropyl Ether | ND | U | 0.898 | 5.00 | ug/Kg | 1 |
| 2,2-Dichloropropane | ND | U | 0.834 | 5.00 | ug/Kg | 1 |
| cis-1,2-Dichloroethene | ND | U | 0.775 | 5.00 | ug/Kg | 1 |
| 2-Butanone | ND | U | 1.56 | 25.0 | ug/Kg | 1 |
| Bromochloromethane | ND | U | 0.873 | 5.00 | ug/Kg | 1 |
| Chloroform | ND | U | 0.812 | 5.00 | ug/Kg | 1 |
| 1,1,1-Trichloroethane | ND | U | 0.778 | 5.00 | ug/Kg | 1 |
| Carbon tetrachloride | ND | U | 0.870 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloropropene | ND | U | 0.922 | 5.00 | ug/Kg | 1 |
| Benzene | ND | U | 0.893 | 5.00 | ug/Kg | 1 |
| 1,2-Dichloroethane | ND | U | 0.886 | 5.00 | ug/Kg | 1 |
| Trichloroethene | ND | U | 0.837 | 5.00 | ug/Kg | 1 |
| 1,2-Dichloropropane | ND | U | 0.805 | 5.00 | ug/Kg | 1 |
| Dibromomethane | ND | U | 0.812 | 5.00 | ug/Kg | 1 |
| Bromodichloromethane | ND | U | 0.813 | 5.00 | ug/Kg | 1 |
| cis-1,3-Dichloropropene | ND | U | 0.861 | 5.00 | ug/Kg | 1 |
| 4-Methyl-2-pentanone | ND | U | 3.21 | 12.5 | ug/Kg | 1 |
| Toluene | ND | U | 0.810 | 5.00 | ug/Kg | 1 |
| Methyl iodide | ND | U | 0.846 | 5.00 | ug/Kg | 1 |
| trans-1,3-Dichloropropene | ND | U | 0.896 | 5.00 | ug/Kg | 1 |
| Carbon disulfide | ND | U | 0.864 | 5.00 | ug/Kg | 1 |
| 1,1,2-Trichloroethane | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| Tetrachloroethene | ND | U | 0.752 | 5.00 | ug/Kg | 1 |
| 1,3-Dichloropropane | ND | U | 0.806 | 5.00 | ug/Kg | 1 |
| 2-Hexanone | ND | U | 1.95 | 12.5 | ug/Kg | 1 |
| Dibromochloromethane | ND | U | 0.847 | 5.00 | ug/Kg | 1 |
| 1,2-Dibromoethane | ND | U | 0.758 | 5.00 | ug/Kg | 1 |
| Chlorobenzene | ND | U | 0.774 | 5.00 | ug/Kg | 1 |
| 1,1,1,2-Tetrachloroethane | ND | U | 1.06 | 5.00 | ug/Kg | 1 |



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## Method Blank

Blank ID: MB-S for HBN 10300 [VXX/1935]
Blank Lab ID: 35974
QC for Samples:
31102150001, 31102150005, 31102150006, 31102150018

Matrix: Soil-Solid as dry weight

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Bromoform | ND | U | 0.669 | 5.00 | ug/Kg | 1 |
| Bromobenzene | ND | U | 0.986 | 5.00 | ug/Kg | 1 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.13 | 5.00 | ug/Kg | 1 |
| 1,2,3-Trichloropropane | ND | U | 1.11 | 5.00 | ug/Kg | 1 |
| Ethyl Benzene | ND | U | 0.827 | 5.00 | ug/Kg | 1 |
| m,p-Xylene | ND | U | 1.77 | 10.0 | ug/Kg | 1 |
| Styrene | ND | U | 0.986 | 5.00 | ug/Kg | 1 |
| o-Xylene | ND | U | 1.01 | 5.00 | ug/Kg | 1 |
| Isopropylbenzene (Cumene) | ND | U | 0.963 | 5.00 | ug/Kg | 1 |
| n-Propylbenzene | ND | U | 0.975 | 5.00 | ug/Kg | 1 |
| 2-Chlorotoluene | ND | U | 1.12 | 5.00 | ug/Kg | 1 |
| 4-Chlorotoluene | ND | U | 1.11 | 5.00 | ug/Kg | 1 |
| 1,3,5-Trimethylbenzene | ND | U | 0.984 | 5.00 | ug/Kg | 1 |
| tert-Butylbenzene | ND | U | 0.906 | 5.00 | ug/Kg | 1 |
| 1,2,4-Trimethylbenzene | ND | U | 1.07 | 5.00 | ug/Kg | 1 |
| sec-Butylbenzene | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| 1,3-Dichlorobenzene | ND | U | 1.16 | 5.00 | ug/Kg | 1 |
| 4-Isopropyltoluene | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| 1,4-Dichlorobenzene | ND | U | 1.10 | 5.00 | ug/Kg | 1 |
| 1,2-Dichlorobenzene | ND | U | 1.29 | 5.00 | ug/Kg | 1 |
| n-Butylbenzene | ND | U | 1.08 | 5.00 | ug/Kg | 1 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.81 | 30.0 | ug/Kg | 1 |
| 1,2,4-Trichlorobenzene | ND | U | 1.19 | 5.00 | ug/Kg | 1 |
| Hexachlorobutadiene | ND | U | 1.37 | 5.00 | ug/Kg | 1 |
| Naphthalene | ND | U | 1.21 | 5.00 | ug/Kg | 1 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.41 | 25.0 | ug/Kg | 1 |
| 1,2,3-Trichlorobenzene | ND | U | 1.39 | 5.00 | ug/Kg | 1 |
| **Surrogates** | | | | | | |
| 1,2-Dichloroethane-d4 | 107 | | | 55.0-173 | % | 1 |
| Toluene d8 | 101 | | | 57.0-134 | % | 1 |
| 4-Bromofluorobenzene | 103 | | | 23.0-141 | % | 1 |

## Batch Information

Analytical Batch: VMS1462
Analytical Method: SW-846 8260B
Instrument: MSD4
Analyst: DVO
Analytical Date/Time: 8/16/2011 4:38:00PM

Prep Batch: VXX1935
Prep Method: SW-846 5035 SL
Prep Date/Time: 8/16/2011 8:00:00AM
Prep Initial Wt./Vol.: 5 g
Prep Extract Vol: 5 mL



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10300 [VXX/1935]
Blank Spike Lab ID: 35972
Date Analyzed: 08/16/2011 15:20

Spike Duplicate ID: LCSD-S for HBN 10300 [VXX/1935
Spike Duplicate Lab ID: 35973
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150005, 31102150006, 31102150018

### Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Dichlorodifluoromethane | 30.0 | 34.3 | 114 | 30.0 | 33.2 | 111 | 52.0-133 | 3.3 | 30.00 |
| Chloromethane | 30.0 | 38.4 | **128*** | 30.0 | 37.0 | 123 | 64.0-126 | 3.7 | 30.00 |
| Vinyl chloride | 30.0 | 34.5 | 115 | 30.0 | 33.3 | 111 | 69.0-120 | 3.5 | 30.00 |
| Bromomethane | 30.0 | 46.6 | 155 | 30.0 | 44.4 | 148 | 41.0-160 | 4.8 | 30.00 |
| Chloroethane | 30.0 | 34.0 | 113 | 30.0 | 32.3 | 108 | 69.0-126 | 5.1 | 30.00 |
| Trichlorofluoromethane | 30.0 | 31.0 | 103 | 30.0 | 30.3 | 101 | 72.0-123 | 2.3 | 30.00 |
| 1,1-Dichloroethene | 30.0 | 30.4 | 101 | 30.0 | 31.0 | 103 | 78.0-113 | 2.0 | 30.00 |
| Acetone | 75.0 | 94.4 | 126 | 75.0 | 96.6 | 129 | 0.00-243 | 2.3 | 30.00 |
| Methylene chloride | 30.0 | 29.8 | 99 | 30.0 | 29.8 | 99 | 40.0-156 | 0.0 | 30.00 |
| trans-1,2-Dichloroethene | 30.0 | 28.3 | 94 | 30.0 | 28.8 | 96 | 78.0-111 | 1.8 | 30.00 |
| tert-Butyl methyl ether (MTBE) | 30.0 | 32.4 | 108 | 30.0 | 33.4 | 111 | 68.0-138 | 3.0 | 30.00 |
| 1,1-Dichloroethane | 30.0 | 28.9 | 96 | 30.0 | 29.2 | 97 | 71.0-121 | 1.0 | 30.00 |
| Diisopropyl Ether | 30.0 | 30.3 | 101 | 30.0 | 30.7 | 102 | 60.0-141 | 1.3 | 30.00 |
| 2,2-Dichloropropane | 30.0 | 32.2 | 107 | 30.0 | 32.7 | 109 | 79.0-127 | 1.5 | 30.00 |
| cis-1,2-Dichloroethene | 30.0 | 28.6 | 95 | 30.0 | 29.1 | 97 | 80.0-114 | 1.7 | 30.00 |
| 2-Butanone | 75.0 | 89.5 | 119 | 75.0 | 92.6 | 123 | 31.0-189 | 3.4 | 30.00 |
| Bromochloromethane | 30.0 | 32.1 | 107 | 30.0 | 32.5 | 108 | 81.0-115 | 1.2 | 30.00 |
| Chloroform | 30.0 | 29.9 | 100 | 30.0 | 30.7 | 102 | 76.0-114 | 2.6 | 30.00 |
| 1,1,1-Trichloroethane | 30.0 | 31.0 | 103 | 30.0 | 31.2 | 104 | 79.0-117 | 0.64 | 30.00 |
| Carbon tetrachloride | 30.0 | 30.7 | 102 | 30.0 | 31.4 | 105 | 82.0-119 | 2.3 | 30.00 |
| 1,1-Dichloropropene | 30.0 | 29.6 | 99 | 30.0 | 30.3 | 101 | 82.0-114 | 2.3 | 30.00 |
| Benzene | 30.0 | 29.9 | 100 | 30.0 | 30.6 | 102 | 82.0-113 | 2.3 | 30.00 |
| 1,2-Dichloroethane | 30.0 | 31.3 | 104 | 30.0 | 32.1 | 107 | 72.0-126 | 2.5 | 30.00 |
| Trichloroethene | 30.0 | 29.5 | 98 | 30.0 | 30.1 | 100 | 82.0-108 | 2.0 | 30.00 |
| 1,2-Dichloropropane | 30.0 | 30.6 | 102 | 30.0 | 31.5 | 105 | 78.0-116 | 2.9 | 30.00 |
| Dibromomethane | 30.0 | 33.1 | 110 | 30.0 | 33.6 | 112 | 79.0-125 | 1.5 | 30.00 |
| Bromodichloromethane | 30.0 | 31.6 | 105 | 30.0 | 32.2 | 107 | 79.0-122 | 1.9 | 30.00 |
| cis-1,3-Dichloropropene | 30.0 | 31.5 | 105 | 30.0 | 32.0 | 107 | 75.0-127 | 1.6 | 30.00 |
| 4-Methyl-2-pentanone | 75.0 | 92.4 | 123 | 75.0 | 95.5 | 127 | 57.0-159 | 3.3 | 30.00 |
| Toluene | 30.0 | 30.9 | 103 | 30.0 | 31.3 | 104 | 83.0-111 | 1.3 | 30.00 |
| Methyl iodide | 30.0 | 36.4 | 121 | 30.0 | 36.6 | 122 | 63.0-137 | 0.55 | 30.00 |
| trans-1,3-Dichloropropene | 30.0 | 34.7 | 116 | 30.0 | 35.2 | 117 | 75.0-134 | 1.4 | 30.00 |
| Carbon disulfide | 30.0 | 29.1 | 97 | 30.0 | 29.6 | 99 | 72.0-116 | 1.7 | 30.00 |
| 1,1,2-Trichloroethane | 30.0 | 31.7 | 106 | 30.0 | 31.9 | 106 | 73.0-121 | 0.63 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10300 [VXX/1935]
Blank Spike Lab ID: 35972
Date Analyzed: 08/16/2011 15:20

Spike Duplicate ID: LCSD-S for HBN 10300 [VXX/1935
Spike Duplicate Lab ID: 35973
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150005, 31102150006, 31102150018

### Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Tetrachloroethene | 30.0 | 28.3 | 94 | 30.0 | 29.0 | 97 | 60.0-118 | 2.4 | 30.00 |
| 1,3-Dichloropropane | 30.0 | 30.8 | 103 | 30.0 | 31.6 | 105 | 76.0-121 | 2.6 | 30.00 |
| 2-Hexanone | 75.0 | 86.3 | 115 | 75.0 | 88.7 | 118 | 41.0-171 | 2.7 | 30.00 |
| Dibromochloromethane | 30.0 | 31.4 | 105 | 30.0 | 31.4 | 105 | 77.0-126 | 0.0 | 30.00 |
| 1,2-Dibromoethane | 30.0 | 32.2 | 107 | 30.0 | 33.3 | 111 | 76.0-125 | 3.4 | 30.00 |
| Chlorobenzene | 30.0 | 28.9 | 96 | 30.0 | 29.4 | 98 | 78.0-109 | 1.7 | 30.00 |
| 1,1,1,2-Tetrachloroethane | 30.0 | 31.0 | 103 | 30.0 | 30.8 | 103 | 81.0-117 | 0.65 | 30.00 |
| Bromoform | 30.0 | 35.4 | 118 | 30.0 | 35.0 | 117 | 72.0-134 | 1.1 | 30.00 |
| Bromobenzene | 30.0 | 30.1 | 100 | 30.0 | 30.6 | 102 | 76.0-113 | 1.6 | 30.00 |
| 1,1,2,2-Tetrachloroethane | 30.0 | 35.8 | 119 | 30.0 | 36.3 | 121 | 76.0-129 | 1.4 | 30.00 |
| 1,2,3-Trichloropropane | 30.0 | 35.2 | 117 | 30.0 | 34.9 | 116 | 70.0-145 | 0.86 | 30.00 |
| Ethyl Benzene | 30.0 | 26.9 | 90 | 30.0 | 27.2 | 91 | 72.0-115 | 1.1 | 30.00 |
| m,p-Xylene | 60.0 | 53.3 | 89 | 60.0 | 54.5 | 91 | 73.0-114 | 2.2 | 30.00 |
| Styrene | 30.0 | 27.5 | 92 | 30.0 | 27.9 | 93 | 74.0-114 | 1.4 | 30.00 |
| o-Xylene | 30.0 | 27.0 | 90 | 30.0 | 27.5 | 92 | 74.0-113 | 1.8 | 30.00 |
| Isopropylbenzene (Cumene) | 30.0 | 27.0 | 90 | 30.0 | 27.4 | 91 | 72.0-115 | 1.5 | 30.00 |
| n-Propylbenzene | 30.0 | 27.3 | 91 | 30.0 | 27.8 | 93 | 71.0-117 | 1.8 | 30.00 |
| 2-Chlorotoluene | 30.0 | 26.9 | 90 | 30.0 | 27.2 | 91 | 76.0-111 | 1.1 | 30.00 |
| 4-Chlorotoluene | 30.0 | 28.4 | 95 | 30.0 | 28.4 | 95 | 75.0-113 | 0.0 | 30.00 |
| 1,3,5-Trimethylbenzene | 30.0 | 26.7 | 89 | 30.0 | 27.4 | 91 | 72.0-115 | 2.6 | 30.00 |
| tert-Butylbenzene | 30.0 | 27.2 | 91 | 30.0 | 27.3 | 91 | 74.0-112 | 0.37 | 30.00 |
| 1,2,4-Trimethylbenzene | 30.0 | 27.4 | 91 | 30.0 | 27.5 | 92 | 73.0-114 | 0.36 | 30.00 |
| sec-Butylbenzene | 30.0 | 27.1 | 90 | 30.0 | 27.7 | 92 | 72.0-115 | 2.2 | 30.00 |
| 1,3-Dichlorobenzene | 30.0 | 27.2 | 91 | 30.0 | 27.2 | 91 | 75.0-110 | 0.0 | 30.00 |
| 4-Isopropyltoluene | 30.0 | 27.2 | 91 | 30.0 | 27.6 | 92 | 73.0-114 | 1.5 | 30.00 |
| 1,4-Dichlorobenzene | 30.0 | 27.7 | 92 | 30.0 | 28.1 | 94 | 76.0-110 | 1.4 | 30.00 |
| 1,2-Dichlorobenzene | 30.0 | 27.9 | 93 | 30.0 | 28.3 | 94 | 77.0-109 | 1.4 | 30.00 |
| n-Butylbenzene | 30.0 | 27.5 | 92 | 30.0 | 28.0 | 93 | 72.0-118 | 1.8 | 30.00 |
| 1,2-Dibromo-3-chloropropane | 180 | 214 | 119 | 180 | 220 | 122 | 54.0-166 | 2.8 | 30.00 |
| 1,2,4-Trichlorobenzene | 30.0 | 28.2 | 94 | 30.0 | 29.1 | 97 | 76.0-115 | 3.1 | 30.00 |
| Hexachlorobutadiene | 30.0 | 26.5 | 88 | 30.0 | 27.3 | 91 | 70.0-111 | 3.0 | 30.00 |
| Naphthalene | 30.0 | 31.0 | 103 | 30.0 | 32.1 | 107 | 71.0-129 | 3.5 | 30.00 |
| trans-1,4-Dichloro-2-butene | 150 | 174 | 116 | 150 | 177 | 118 | 62.0-164 | 1.7 | 30.00 |
| 1,2,3-Trichlorobenzene | 30.0 | 28.8 | 96 | 30.0 | 30.1 | 100 | 78.0-115 | 4.4 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10300 [VXX/1935]
Blank Spike Lab ID: 35972
Date Analyzed: 08/16/2011 15:20

Spike Duplicate ID: LCSD-S for HBN 10300 [VXX/1935
Spike Duplicate Lab ID: 35973
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150005, 31102150006, 31102150018

## Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| **Surrogates** | | | | | | | | | |
| 1,2-Dichloroethane-d4 | | | 105 | | | 106 | 55.0-173 | | |
| Toluene d8 | | | 105 | | | 105 | 57.0-134 | | |
| 4-Bromofluorobenzene | | | 105 | | | 106 | 23.0-141 | | |

## Batch Information

Analytical Batch: **VMS1462**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**

Prep Batch: **VXX1935**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/16/2011 08:00**
Spike Init Wt./Vol.: **5 g** Extract Vol: **5 mL**
Dupe Init Wt./Vol.: **5 g** Extract Vol: **5 mL**



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## Batch Summary

Analytical Method: SW-846 8260B

Prep Method: SW-846 5035 SL
Prep Batch: VXX1940
Prep Date: 08/16/2011 08:00

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| LCS-S for HBN 10317 [VXX/1940] | 36009 | 08/16/2011 15:22 | VMS1465 | MSD9 | DVO |
| LCSD-S for HBN 10317 [VXX/1940 | 36010 | 08/16/2011 15:49 | VMS1465 | MSD9 | DVO |
| MB-S for HBN 10317 [VXX/1940] | 36011 | 08/16/2011 16:46 | VMS1465 | MSD9 | DVO |
| SB04 (2.0-3.0) | 31102150007 | 08/16/2011 17:43 | VMS1465 | MSD9 | DVO |
| SB12 (2.0-3.0) | 31102150016 | 08/16/2011 20:02 | VMS1465 | MSD9 | DVO |
| SB06 (2.0-3.0) | 31102150009 | 08/17/2011 00:08 | VMS1465 | MSD9 | DVO |
| E11-160-S2 MS | 31102153015 | 08/17/2011 01:01 | VMS1465 | MSD9 | DVO |
| E11-160-S2 MSD | 31102153016 | 08/17/2011 01:28 | VMS1465 | MSD9 | DVO |



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## Method Blank

Blank ID: MB-S for HBN 10317 [VXX/1940]
Blank Lab ID: 36011
QC for Samples:
31102150007, 31102150009, 31102150016

Matrix: Soil-Solid as dry weight

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.727 | 5.00 | ug/Kg | 1 |
| Chloromethane | ND | U | 0.725 | 5.00 | ug/Kg | 1 |
| Vinyl chloride | ND | U | 0.736 | 5.00 | ug/Kg | 1 |
| Bromomethane | ND | U | 1.76 | 5.00 | ug/Kg | 1 |
| Chloroethane | ND | U | 0.460 | 5.00 | ug/Kg | 1 |
| Trichlorofluoromethane | ND | U | 0.754 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloroethene | ND | U | 0.903 | 5.00 | ug/Kg | 1 |
| Acetone | ND | U | 1.24 | 50.0 | ug/Kg | 1 |
| Methylene chloride | ND | U | 0.698 | 20.0 | ug/Kg | 1 |
| trans-1,2-Dichloroethene | ND | U | 0.861 | 5.00 | ug/Kg | 1 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.852 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloroethane | ND | U | 0.863 | 5.00 | ug/Kg | 1 |
| Diisopropyl Ether | ND | U | 0.898 | 5.00 | ug/Kg | 1 |
| 2,2-Dichloropropane | ND | U | 0.834 | 5.00 | ug/Kg | 1 |
| cis-1,2-Dichloroethene | ND | U | 0.775 | 5.00 | ug/Kg | 1 |
| 2-Butanone | ND | U | 1.56 | 25.0 | ug/Kg | 1 |
| Bromochloromethane | ND | U | 0.873 | 5.00 | ug/Kg | 1 |
| Chloroform | ND | U | 0.812 | 5.00 | ug/Kg | 1 |
| 1,1,1-Trichloroethane | ND | U | 0.778 | 5.00 | ug/Kg | 1 |
| Carbon tetrachloride | ND | U | 0.870 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloropropene | ND | U | 0.922 | 5.00 | ug/Kg | 1 |
| Benzene | ND | U | 0.893 | 5.00 | ug/Kg | 1 |
| 1,2-Dichloroethane | ND | U | 0.886 | 5.00 | ug/Kg | 1 |
| Trichloroethene | ND | U | 0.837 | 5.00 | ug/Kg | 1 |
| 1,2-Dichloropropane | ND | U | 0.805 | 5.00 | ug/Kg | 1 |
| Dibromomethane | ND | U | 0.812 | 5.00 | ug/Kg | 1 |
| Bromodichloromethane | ND | U | 0.813 | 5.00 | ug/Kg | 1 |
| cis-1,3-Dichloropropene | ND | U | 0.861 | 5.00 | ug/Kg | 1 |
| 4-Methyl-2-pentanone | ND | U | 3.21 | 12.5 | ug/Kg | 1 |
| Toluene | ND | U | 0.810 | 5.00 | ug/Kg | 1 |
| Methyl iodide | ND | U | 0.846 | 5.00 | ug/Kg | 1 |
| trans-1,3-Dichloropropene | ND | U | 0.896 | 5.00 | ug/Kg | 1 |
| Carbon disulfide | ND | U | 0.864 | 5.00 | ug/Kg | 1 |
| 1,1,2-Trichloroethane | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| Tetrachloroethene | ND | U | 0.752 | 5.00 | ug/Kg | 1 |
| 1,3-Dichloropropane | ND | U | 0.806 | 5.00 | ug/Kg | 1 |
| 2-Hexanone | ND | U | 1.95 | 12.5 | ug/Kg | 1 |
| Dibromochloromethane | ND | U | 0.847 | 5.00 | ug/Kg | 1 |
| 1,2-Dibromoethane | ND | U | 0.758 | 5.00 | ug/Kg | 1 |
| Chlorobenzene | ND | U | 0.774 | 5.00 | ug/Kg | 1 |
| 1,1,1,2-Tetrachloroethane | ND | U | 1.06 | 5.00 | ug/Kg | 1 |



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## Method Blank

Blank ID: MB-S for HBN 10317 [VXX/1940]
Blank Lab ID: 36011
QC for Samples:
31102150007, 31102150009, 31102150016

Matrix: Soil-Solid as dry weight

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Bromoform | ND | U | 0.669 | 5.00 | ug/Kg | 1 |
| Bromobenzene | ND | U | 0.986 | 5.00 | ug/Kg | 1 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.13 | 5.00 | ug/Kg | 1 |
| 1,2,3-Trichloropropane | ND | U | 1.11 | 5.00 | ug/Kg | 1 |
| Ethyl Benzene | ND | U | 0.827 | 5.00 | ug/Kg | 1 |
| m,p-Xylene | ND | U | 1.77 | 10.0 | ug/Kg | 1 |
| Styrene | ND | U | 0.986 | 5.00 | ug/Kg | 1 |
| o-Xylene | ND | U | 1.01 | 5.00 | ug/Kg | 1 |
| Isopropylbenzene (Cumene) | ND | U | 0.963 | 5.00 | ug/Kg | 1 |
| n-Propylbenzene | ND | U | 0.975 | 5.00 | ug/Kg | 1 |
| 2-Chlorotoluene | ND | U | 1.12 | 5.00 | ug/Kg | 1 |
| 4-Chlorotoluene | ND | U | 1.11 | 5.00 | ug/Kg | 1 |
| 1,3,5-Trimethylbenzene | ND | U | 0.984 | 5.00 | ug/Kg | 1 |
| tert-Butylbenzene | ND | U | 0.906 | 5.00 | ug/Kg | 1 |
| 1,2,4-Trimethylbenzene | ND | U | 1.07 | 5.00 | ug/Kg | 1 |
| sec-Butylbenzene | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| 1,3-Dichlorobenzene | ND | U | 1.16 | 5.00 | ug/Kg | 1 |
| 4-Isopropyltoluene | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| 1,4-Dichlorobenzene | ND | U | 1.10 | 5.00 | ug/Kg | 1 |
| 1,2-Dichlorobenzene | ND | U | 1.29 | 5.00 | ug/Kg | 1 |
| n-Butylbenzene | ND | U | 1.08 | 5.00 | ug/Kg | 1 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.81 | 30.0 | ug/Kg | 1 |
| 1,2,4-Trichlorobenzene | ND | U | 1.19 | 5.00 | ug/Kg | 1 |
| Hexachlorobutadiene | ND | U | 1.37 | 5.00 | ug/Kg | 1 |
| Naphthalene | ND | U | 1.21 | 5.00 | ug/Kg | 1 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.41 | 25.0 | ug/Kg | 1 |
| 1,2,3-Trichlorobenzene | ND | U | 1.39 | 5.00 | ug/Kg | 1 |
| **Surrogates** | | | | | | |
| 1,2-Dichloroethane-d4 | 108 | | | 55.0-173 | % | 1 |
| Toluene d8 | 104 | | | 57.0-134 | % | 1 |
| 4-Bromofluorobenzene | 90.0 | | | 23.0-141 | % | 1 |

## Batch Information

Analytical Batch: VMS1465
Analytical Method: SW-846 8260B
Instrument: MSD9
Analyst: DVO
Analytical Date/Time: 8/16/2011 4:46:00PM

Prep Batch: VXX1940
Prep Method: SW-846 5035 SL
Prep Date/Time: 8/16/2011 8:00:00AM
Prep Initial Wt./Vol.: 5 g
Prep Extract Vol: 5 mL



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10317 [VXX/1940]
Blank Spike Lab ID: 36009
Date Analyzed: 08/16/2011 15:22

Spike Duplicate ID: LCSD-S for HBN 10317 [VXX/1940
Spike Duplicate Lab ID: 36010
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150007, 31102150009, 31102150016

### Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Dichlorodifluoromethane | 30.0 | 40.2 | **134*** | 30.0 | 32.6 | 109 | 52.0-133 | 21 | 30.00 |
| Chloromethane | 30.0 | 32.5 | 108 | 30.0 | 31.2 | 104 | 64.0-126 | 4.1 | 30.00 |
| Vinyl chloride | 30.0 | 34.8 | 116 | 30.0 | 30.9 | 103 | 69.0-120 | 12 | 30.00 |
| Bromomethane | 30.0 | 39.0 | 130 | 30.0 | 33.7 | 112 | 41.0-160 | 15 | 30.00 |
| Chloroethane | 30.0 | 36.1 | 120 | 30.0 | 31.6 | 105 | 69.0-126 | 13 | 30.00 |
| Trichlorofluoromethane | 30.0 | 39.4 | **131*** | 30.0 | 32.7 | 109 | 72.0-123 | 19 | 30.00 |
| 1,1-Dichloroethene | 30.0 | 36.5 | **122*** | 30.0 | 27.9 | 93 | 78.0-113 | 27 | 30.00 |
| Acetone | 75.0 | 102 | 136 | 75.0 | 80.0 | 107 | 0.00-243 | 24 | 30.00 |
| Methylene chloride | 30.0 | 32.5 | 108 | 30.0 | 28.5 | 95 | 40.0-156 | 13 | 30.00 |
| trans-1,2-Dichloroethene | 30.0 | 32.0 | 107 | 30.0 | 30.2 | 101 | 78.0-111 | 5.8 | 30.00 |
| tert-Butyl methyl ether (MTBE) | 30.0 | 33.8 | 113 | 30.0 | 30.2 | 101 | 68.0-138 | 11 | 30.00 |
| 1,1-Dichloroethane | 30.0 | 33.3 | 111 | 30.0 | 30.1 | 100 | 71.0-121 | 10 | 30.00 |
| Diisopropyl Ether | 30.0 | 32.4 | 108 | 30.0 | 30.6 | 102 | 60.0-141 | 5.7 | 30.00 |
| 2,2-Dichloropropane | 30.0 | 32.4 | 108 | 30.0 | 30.6 | 102 | 79.0-127 | 5.7 | 30.00 |
| cis-1,2-Dichloroethene | 30.0 | 30.6 | 102 | 30.0 | 31.0 | 103 | 80.0-114 | 1.3 | 30.00 |
| 2-Butanone | 75.0 | 88.8 | 118 | 75.0 | 83.9 | 112 | 31.0-189 | 5.7 | 30.00 |
| Bromochloromethane | 30.0 | 30.8 | 103 | 30.0 | 31.0 | 103 | 81.0-115 | 0.65 | 30.00 |
| Chloroform | 30.0 | 32.5 | 108 | 30.0 | 30.9 | 103 | 76.0-114 | 5.0 | 30.00 |
| 1,1,1-Trichloroethane | 30.0 | 32.4 | 108 | 30.0 | 30.4 | 101 | 79.0-117 | 6.4 | 30.00 |
| Carbon tetrachloride | 30.0 | 32.4 | 108 | 30.0 | 30.4 | 101 | 82.0-119 | 6.4 | 30.00 |
| 1,1-Dichloropropene | 30.0 | 32.4 | 108 | 30.0 | 31.0 | 103 | 82.0-114 | 4.4 | 30.00 |
| Benzene | 30.0 | 31.6 | 105 | 30.0 | 30.7 | 102 | 82.0-113 | 2.9 | 30.00 |
| 1,2-Dichloroethane | 30.0 | 34.1 | 114 | 30.0 | 31.1 | 104 | 72.0-126 | 9.2 | 30.00 |
| Trichloroethene | 30.0 | 30.6 | 102 | 30.0 | 30.1 | 100 | 82.0-108 | 1.6 | 30.00 |
| 1,2-Dichloropropane | 30.0 | 31.8 | 106 | 30.0 | 30.2 | 101 | 78.0-116 | 5.2 | 30.00 |
| Dibromomethane | 30.0 | 31.6 | 105 | 30.0 | 31.0 | 103 | 79.0-125 | 1.9 | 30.00 |
| Bromodichloromethane | 30.0 | 32.1 | 107 | 30.0 | 29.4 | 98 | 79.0-122 | 8.8 | 30.00 |
| cis-1,3-Dichloropropene | 30.0 | 34.2 | 114 | 30.0 | 28.4 | 95 | 75.0-127 | 19 | 30.00 |
| 4-Methyl-2-pentanone | 75.0 | 102 | 136 | 75.0 | 78.3 | 104 | 57.0-159 | 26 | 30.00 |
| Toluene | 30.0 | 39.3 | **131*** | 30.0 | 30.2 | 101 | 83.0-111 | 26 | 30.00 |
| Methyl iodide | 30.0 | 34.1 | 114 | 30.0 | 28.6 | 95 | 63.0-137 | 18 | 30.00 |
| trans-1,3-Dichloropropene | 30.0 | 38.2 | 127 | 30.0 | 29.0 | 97 | 75.0-134 | 27 | 30.00 |
| Carbon disulfide | 30.0 | 33.2 | 111 | 30.0 | 26.6 | 89 | 72.0-116 | 22 | 30.00 |
| 1,1,2-Trichloroethane | 30.0 | 30.8 | 103 | 30.0 | 28.6 | 95 | 73.0-121 | 7.4 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10317 [VXX/1940]
Blank Spike Lab ID: 36009
Date Analyzed: 08/16/2011 15:22

Spike Duplicate ID: LCSD-S for HBN 10317 [VXX/1940
Spike Duplicate Lab ID: 36010
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150007, 31102150009, 31102150016

Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Tetrachloroethene | 30.0 | 30.5 | 102 | 30.0 | 28.2 | 94 | 60.0-118 | 7.8 | 30.00 |
| 1,3-Dichloropropane | 30.0 | 31.3 | 104 | 30.0 | 28.6 | 95 | 76.0-121 | 9.0 | 30.00 |
| 2-Hexanone | 75.0 | 84.2 | 112 | 75.0 | 78.3 | 104 | 41.0-171 | 7.3 | 30.00 |
| Dibromochloromethane | 30.0 | 28.8 | 96 | 30.0 | 26.2 | 87 | 77.0-126 | 9.5 | 30.00 |
| 1,2-Dibromoethane | 30.0 | 30.8 | 103 | 30.0 | 28.7 | 96 | 76.0-125 | 7.1 | 30.00 |
| Chlorobenzene | 30.0 | 30.0 | 100 | 30.0 | 28.2 | 94 | 78.0-109 | 6.2 | 30.00 |
| 1,1,1,2-Tetrachloroethane | 30.0 | 29.6 | 99 | 30.0 | 28.1 | 94 | 81.0-117 | 5.2 | 30.00 |
| Bromoform | 30.0 | 27.9 | 93 | 30.0 | 26.3 | 88 | 72.0-134 | 5.9 | 30.00 |
| Bromobenzene | 30.0 | 29.5 | 98 | 30.0 | 27.3 | 91 | 76.0-113 | 7.7 | 30.00 |
| 1,1,2,2-Tetrachloroethane | 30.0 | 30.3 | 101 | 30.0 | 27.8 | 93 | 76.0-129 | 8.6 | 30.00 |
| 1,2,3-Trichloropropane | 30.0 | 31.1 | 104 | 30.0 | 28.4 | 95 | 70.0-145 | 9.1 | 30.00 |
| Ethyl Benzene | 30.0 | 28.6 | 95 | 30.0 | 27.4 | 91 | 72.0-115 | 4.3 | 30.00 |
| m,p-Xylene | 60.0 | 57.5 | 96 | 60.0 | 54.6 | 91 | 73.0-114 | 5.2 | 30.00 |
| Styrene | 30.0 | 28.2 | 94 | 30.0 | 27.4 | 91 | 74.0-114 | 2.9 | 30.00 |
| o-Xylene | 30.0 | 28.4 | 95 | 30.0 | 27.0 | 90 | 74.0-113 | 5.1 | 30.00 |
| Isopropylbenzene (Cumene) | 30.0 | 28.7 | 96 | 30.0 | 27.1 | 90 | 72.0-115 | 5.7 | 30.00 |
| n-Propylbenzene | 30.0 | 28.7 | 96 | 30.0 | 27.3 | 91 | 71.0-117 | 5.0 | 30.00 |
| 2-Chlorotoluene | 30.0 | 28.5 | 95 | 30.0 | 27.2 | 91 | 76.0-111 | 4.7 | 30.00 |
| 4-Chlorotoluene | 30.0 | 29.0 | 97 | 30.0 | 28.2 | 94 | 75.0-113 | 2.8 | 30.00 |
| 1,3,5-Trimethylbenzene | 30.0 | 28.5 | 95 | 30.0 | 27.4 | 91 | 72.0-115 | 3.9 | 30.00 |
| tert-Butylbenzene | 30.0 | 28.6 | 95 | 30.0 | 27.4 | 91 | 74.0-112 | 4.3 | 30.00 |
| 1,2,4-Trimethylbenzene | 30.0 | 27.9 | 93 | 30.0 | 27.7 | 92 | 73.0-114 | 0.72 | 30.00 |
| sec-Butylbenzene | 30.0 | 28.6 | 95 | 30.0 | 27.8 | 93 | 72.0-115 | 2.8 | 30.00 |
| 1,3-Dichlorobenzene | 30.0 | 27.6 | 92 | 30.0 | 27.3 | 91 | 75.0-110 | 1.1 | 30.00 |
| 4-Isopropyltoluene | 30.0 | 28.2 | 94 | 30.0 | 28.0 | 93 | 73.0-114 | 0.71 | 30.00 |
| 1,4-Dichlorobenzene | 30.0 | 27.7 | 92 | 30.0 | 27.1 | 90 | 76.0-110 | 2.2 | 30.00 |
| 1,2-Dichlorobenzene | 30.0 | 28.2 | 94 | 30.0 | 27.4 | 91 | 77.0-109 | 2.9 | 30.00 |
| n-Butylbenzene | 30.0 | 29.1 | 97 | 30.0 | 28.2 | 94 | 72.0-118 | 3.1 | 30.00 |
| 1,2-Dibromo-3-chloropropane | 180 | 177 | 98 | 180 | 175 | 97 | 54.0-166 | 1.1 | 30.00 |
| 1,2,4-Trichlorobenzene | 30.0 | 27.9 | 93 | 30.0 | 27.5 | 92 | 76.0-115 | 1.4 | 30.00 |
| Hexachlorobutadiene | 30.0 | 27.6 | 92 | 30.0 | 27.8 | 93 | 70.0-111 | 0.72 | 30.00 |
| Naphthalene | 30.0 | 28.0 | 93 | 30.0 | 27.4 | 91 | 71.0-129 | 2.2 | 30.00 |
| trans-1,4-Dichloro-2-butene | 150 | 146 | 98 | 150 | 136 | 91 | 62.0-164 | 7.1 | 30.00 |
| 1,2,3-Trichlorobenzene | 30.0 | 27.8 | 93 | 30.0 | 27.3 | 91 | 78.0-115 | 1.8 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10317 [VXX/1940]
Blank Spike Lab ID: 36009
Date Analyzed: 08/16/2011 15:22

Spike Duplicate ID: LCSD-S for HBN 10317 [VXX/1940
Spike Duplicate Lab ID: 36010
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150007, 31102150009, 31102150016

## Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| **Surrogates** | | | | | | | | | |
| 1,2-Dichloroethane-d4 | | | 109 | | | 104 | 55.0-173 | | |
| Toluene d8 | | | 132 | | | 101 | 57.0-134 | | |
| 4-Bromofluorobenzene | | | 102 | | | 96 | 23.0-141 | | |

## Batch Information

Analytical Batch: **VMS1465**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**

Prep Batch: **VXX1940**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/16/2011 08:00**
Spike Init Wt./Vol.: **5 g** Extract Vol: **5 mL**
Dupe Init Wt./Vol.: **5 g** Extract Vol: **5 mL**



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## Batch Summary

Analytical Method: SW-846 8260B

Prep Method: SW-846 5035 SM
Prep Batch: VXX1941
Prep Date: 08/17/2011 09:56

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| LCS-S for HBN 10324 [VXX/1941] | 36032 | 08/17/2011 11:29 | VMS1464 | MSD8 | BWS |
| LCSD-S for HBN 10324 [VXX/1941 | 36033 | 08/17/2011 11:53 | VMS1464 | MSD8 | BWS |
| MB-S for HBN 10324 [VXX/1941] | 36031 | 08/17/2011 13:05 | VMS1464 | MSD8 | BWS |
| SB02 (1.0-2.0) | 31102150003 | 08/17/2011 19:07 | VMS1464 | MSD8 | BWS |
| SB02 (2.0-3.0) | 31102150004 | 08/17/2011 19:31 | VMS1464 | MSD8 | BWS |
| SB09 (2.0-3.0) | 31102150012 | 08/17/2011 19:55 | VMS1464 | MSD8 | BWS |
| SB10 (2.0-3.0) | 31102150013 | 08/17/2011 20:19 | VMS1464 | MSD8 | BWS |
| SB13 (2.0-3.0) | 31102150017 | 08/17/2011 20:43 | VMS1464 | MSD8 | BWS |
| E11-179-S4 (MS) | 31102140015 | 08/17/2011 21:31 | VMS1464 | MSD8 | BWS |
| E11-179-S4 (MSD) | 31102140016 | 08/17/2011 21:55 | VMS1464 | MSD8 | BWS |



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## Method Blank

Blank ID: MB-S for HBN 10324 [VXX/1941]
Blank Lab ID: 36031
QC for Samples:
31102150003, 31102150004, 31102150012, 31102150013, 31102150017

Matrix: Soil-Solid as dry weight

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 8.55 | 250 | ug/Kg | 50 |
| Chloromethane | ND | U | 22.4 | 50.0 | ug/Kg | 50 |
| Vinyl chloride | ND | U | 6.20 | 50.0 | ug/Kg | 50 |
| Bromomethane | ND | U | 11.9 | 50.0 | ug/Kg | 50 |
| Chloroethane | ND | U | 15.6 | 50.0 | ug/Kg | 50 |
| Trichlorofluoromethane | ND | U | 6.85 | 50.0 | ug/Kg | 50 |
| 1,1-Dichloroethene | ND | U | 10.6 | 50.0 | ug/Kg | 50 |
| Acetone | ND | U | 43.2 | 1250 | ug/Kg | 50 |
| Methylene chloride | ND | U | 7.60 | 250 | ug/Kg | 50 |
| trans-1,2-Dichloroethene | ND | U | 11.2 | 50.0 | ug/Kg | 50 |
| tert-Butyl methyl ether (MTBE) | ND | U | 7.20 | 50.0 | ug/Kg | 50 |
| 1,1-Dichloroethane | ND | U | 8.25 | 50.0 | ug/Kg | 50 |
| Diisopropyl Ether | ND | U | 14.7 | 50.0 | ug/Kg | 50 |
| 2,2-Dichloropropane | ND | U | 19.7 | 50.0 | ug/Kg | 50 |
| cis-1,2-Dichloroethene | ND | U | 6.80 | 50.0 | ug/Kg | 50 |
| 2-Butanone | ND | U | 36.2 | 1250 | ug/Kg | 50 |
| Bromochloromethane | ND | U | 10.6 | 50.0 | ug/Kg | 50 |
| Chloroform | ND | U | 6.95 | 50.0 | ug/Kg | 50 |
| 1,1,1-Trichloroethane | ND | U | 6.15 | 50.0 | ug/Kg | 50 |
| Carbon tetrachloride | ND | U | 5.05 | 50.0 | ug/Kg | 50 |
| 1,1-Dichloropropene | ND | U | 4.32 | 50.0 | ug/Kg | 50 |
| Benzene | ND | U | 5.65 | 50.0 | ug/Kg | 50 |
| 1,2-Dichloroethane | ND | U | 8.35 | 50.0 | ug/Kg | 50 |
| Trichloroethene | ND | U | 6.25 | 50.0 | ug/Kg | 50 |
| 1,2-Dichloropropane | ND | U | 8.15 | 50.0 | ug/Kg | 50 |
| Dibromomethane | ND | U | 8.40 | 50.0 | ug/Kg | 50 |
| Bromodichloromethane | ND | U | 5.50 | 50.0 | ug/Kg | 50 |
| cis-1,3-Dichloropropene | ND | U | 3.84 | 50.0 | ug/Kg | 50 |
| 4-Methyl-2-pentanone | ND | U | 27.9 | 250 | ug/Kg | 50 |
| Toluene | ND | U | 6.65 | 50.0 | ug/Kg | 50 |
| Methyl iodide | ND | U | 5.75 | 50.0 | ug/Kg | 50 |
| trans-1,3-Dichloropropene | ND | U | 4.31 | 50.0 | ug/Kg | 50 |
| Carbon disulfide | ND | U | 5.30 | 50.0 | ug/Kg | 50 |
| 1,1,2-Trichloroethane | ND | U | 6.30 | 50.0 | ug/Kg | 50 |
| Tetrachloroethene | ND | U | 7.75 | 50.0 | ug/Kg | 50 |
| 1,3-Dichloropropane | ND | U | 6.50 | 50.0 | ug/Kg | 50 |
| 2-Hexanone | ND | U | 36.4 | 250 | ug/Kg | 50 |
| Dibromochloromethane | ND | U | 6.70 | 50.0 | ug/Kg | 50 |
| 1,2-Dibromoethane | ND | U | 6.00 | 50.0 | ug/Kg | 50 |
| Chlorobenzene | ND | U | 5.80 | 50.0 | ug/Kg | 50 |
| 1,1,1,2-Tetrachloroethane | ND | U | 5.20 | 50.0 | ug/Kg | 50 |



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## Method Blank

Blank ID: MB-S for HBN 10324 [VXX/1941]
Blank Lab ID: 36031
QC for Samples:
31102150003, 31102150004, 31102150012, 31102150013, 31102150017

Matrix: Soil-Solid as dry weight

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Bromoform | ND | U | 4.87 | 50.0 | ug/Kg | 50 |
| Bromobenzene | ND | U | 5.50 | 50.0 | ug/Kg | 50 |
| 1,1,2,2-Tetrachloroethane | ND | U | 7.80 | 50.0 | ug/Kg | 50 |
| 1,2,3-Trichloropropane | ND | U | 10.6 | 50.0 | ug/Kg | 50 |
| Ethyl Benzene | ND | U | 4.39 | 50.0 | ug/Kg | 50 |
| m,p-Xylene | ND | U | 9.10 | 100 | ug/Kg | 50 |
| Styrene | ND | U | 5.10 | 50.0 | ug/Kg | 50 |
| o-Xylene | ND | U | 4.37 | 50.0 | ug/Kg | 50 |
| Isopropylbenzene (Cumene) | ND | U | 4.35 | 50.0 | ug/Kg | 50 |
| n-Propylbenzene | ND | U | 5.65 | 50.0 | ug/Kg | 50 |
| 2-Chlorotoluene | ND | U | 5.65 | 50.0 | ug/Kg | 50 |
| 4-Chlorotoluene | ND | U | 6.25 | 50.0 | ug/Kg | 50 |
| 1,3,5-Trimethylbenzene | ND | U | 5.65 | 50.0 | ug/Kg | 50 |
| tert-Butylbenzene | ND | U | 4.28 | 50.0 | ug/Kg | 50 |
| 1,2,4-Trimethylbenzene | ND | U | 4.81 | 50.0 | ug/Kg | 50 |
| sec-Butylbenzene | ND | U | 5.60 | 50.0 | ug/Kg | 50 |
| 1,3-Dichlorobenzene | ND | U | 5.15 | 50.0 | ug/Kg | 50 |
| 4-Isopropyltoluene | ND | U | 3.85 | 50.0 | ug/Kg | 50 |
| 1,4-Dichlorobenzene | ND | U | 6.50 | 50.0 | ug/Kg | 50 |
| 1,2-Dichlorobenzene | ND | U | 6.85 | 50.0 | ug/Kg | 50 |
| n-Butylbenzene | ND | U | 3.85 | 50.0 | ug/Kg | 50 |
| 1,2-Dibromo-3-chloropropane | ND | U | 37.4 | 250 | ug/Kg | 50 |
| 1,2,4-Trichlorobenzene | ND | U | 4.57 | 50.0 | ug/Kg | 50 |
| Hexachlorobutadiene | ND | U | 3.96 | 50.0 | ug/Kg | 50 |
| Naphthalene | ND | U | 4.28 | 50.0 | ug/Kg | 50 |
| trans-1,4-Dichloro-2-butene | ND | U | 20.7 | 250 | ug/Kg | 50 |
| 1,2,3-Trichlorobenzene | ND | U | 5.50 | 50.0 | ug/Kg | 50 |
| **Surrogates** | | | | | | |
| 1,2-Dichloroethane-d4 | 109 | | | 55.0-173 | % | 50 |
| Toluene d8 | 103 | | | 57.0-134 | % | 50 |
| 4-Bromofluorobenzene | 97.0 | | | 23.0-141 | % | 50 |

## Batch Information

Analytical Batch: VMS1464
Analytical Method: SW-846 8260B
Instrument: MSD8
Analyst: BWS
Analytical Date/Time: 8/17/2011 1:05:00PM

Prep Batch: VXX1941
Prep Method: SW-846 5035 SM
Prep Date/Time: 8/17/2011 9:56:47AM
Prep Initial Wt./Vol.: 5 g
Prep Extract Vol: 5 mL



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10324 [VXX/1941]
Blank Spike Lab ID: 36032
Date Analyzed: 08/17/2011 11:29

Spike Duplicate ID: LCSD-S for HBN 10324 [VXX/1941
Spike Duplicate Lab ID: 36033
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150003, 31102150004, 31102150012, 31102150013, 31102150017

### Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Dichlorodifluoromethane | 250 | 226 | 90 | 250 | 244 | 98 | 70.0-130 | 7.7 | 30.00 |
| Chloromethane | 250 | 193 | 77 | 250 | 223 | 89 | 70.0-130 | 14 | 30.00 |
| Vinyl chloride | 250 | 205 | 82 | 250 | 226 | 90 | 70.0-130 | 9.7 | 30.00 |
| Bromomethane | 250 | 253 | 101 | 250 | 264 | 105 | 70.0-130 | 4.3 | 30.00 |
| Chloroethane | 250 | 232 | 93 | 250 | 281 | 112 | 70.0-130 | 19 | 30.00 |
| Trichlorofluoromethane | 250 | 230 | 92 | 250 | 258 | 103 | 70.0-130 | 11 | 30.00 |
| 1,1-Dichloroethene | 250 | 246 | 98 | 250 | 241 | 96 | 70.0-130 | 2.1 | 30.00 |
| Acetone | 1250 | 934 | 75 | 1250 | 938 | 75 | 70.0-130 | 0.43 | 30.00 |
| Methylene chloride | 250 | 229 | 91 | 250 | 228 | 91 | 70.0-130 | 0.44 | 30.00 |
| trans-1,2-Dichloroethene | 250 | 248 | 99 | 250 | 236 | 94 | 70.0-130 | 5.0 | 30.00 |
| tert-Butyl methyl ether (MTBE) | 250 | 244 | 97 | 250 | 246 | 98 | 70.0-130 | 0.82 | 30.00 |
| 1,1-Dichloroethane | 250 | 236 | 94 | 250 | 228 | 91 | 70.0-130 | 3.4 | 30.00 |
| Diisopropyl Ether | 250 | 223 | 89 | 250 | 228 | 91 | 70.0-130 | 2.2 | 30.00 |
| 2,2-Dichloropropane | 250 | 250 | 100 | 250 | 251 | 100 | 70.0-130 | 0.40 | 30.00 |
| cis-1,2-Dichloroethene | 250 | 238 | 95 | 250 | 248 | 99 | 70.0-130 | 4.1 | 30.00 |
| 2-Butanone | 1250 | 906 | 72 | 1250 | 948 | 76 | 70.0-130 | 4.5 | 30.00 |
| Bromochloromethane | 250 | 234 | 94 | 250 | 241 | 96 | 70.0-130 | 2.9 | 30.00 |
| Chloroform | 250 | 243 | 97 | 250 | 237 | 95 | 70.0-130 | 2.5 | 30.00 |
| 1,1,1-Trichloroethane | 250 | 234 | 94 | 250 | 227 | 91 | 70.0-130 | 3.0 | 30.00 |
| Carbon tetrachloride | 250 | 232 | 93 | 250 | 237 | 95 | 70.0-130 | 2.1 | 30.00 |
| 1,1-Dichloropropene | 250 | 235 | 94 | 250 | 228 | 91 | 70.0-130 | 3.0 | 30.00 |
| Benzene | 250 | 225 | 90 | 250 | 221 | 88 | 70.0-130 | 1.8 | 30.00 |
| 1,2-Dichloroethane | 250 | 241 | 96 | 250 | 232 | 93 | 70.0-130 | 3.8 | 30.00 |
| Trichloroethene | 250 | 221 | 88 | 250 | 227 | 91 | 70.0-130 | 2.7 | 30.00 |
| 1,2-Dichloropropane | 250 | 222 | 89 | 250 | 221 | 88 | 70.0-130 | 0.45 | 30.00 |
| Dibromomethane | 250 | 236 | 94 | 250 | 220 | 88 | 70.0-130 | 7.0 | 30.00 |
| Bromodichloromethane | 250 | 228 | 91 | 250 | 231 | 92 | 70.0-130 | 1.3 | 30.00 |
| cis-1,3-Dichloropropene | 250 | 244 | 97 | 250 | 230 | 92 | 70.0-130 | 5.9 | 30.00 |
| 4-Methyl-2-pentanone | 1250 | 1070 | 86 | 1250 | 1110 | 89 | 70.0-130 | 3.7 | 30.00 |
| Toluene | 250 | 229 | 92 | 250 | 225 | 90 | 70.0-130 | 1.8 | 30.00 |
| Methyl iodide | 250 | 232 | 93 | 250 | 225 | 90 | 70.0-130 | 3.1 | 30.00 |
| trans-1,3-Dichloropropene | 250 | 239 | 95 | 250 | 235 | 94 | 70.0-130 | 1.7 | 30.00 |
| Carbon disulfide | 250 | 215 | 86 | 250 | 214 | 85 | 70.0-130 | 0.47 | 30.00 |
| 1,1,2-Trichloroethane | 250 | 215 | 86 | 250 | 224 | 90 | 70.0-130 | 4.1 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10324 [VXX/1941]
Blank Spike Lab ID: 36032
Date Analyzed: 08/17/2011 11:29

Spike Duplicate ID: LCSD-S for HBN 10324 [VXX/1941
Spike Duplicate Lab ID: 36033
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150003, 31102150004, 31102150012, 31102150013, 31102150017

### Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Tetrachloroethene | 250 | 215 | 86 | 250 | 226 | 90 | 70.0-130 | 5.0 | 30.00 |
| 1,3-Dichloropropane | 250 | 214 | 85 | 250 | 225 | 90 | 70.0-130 | 5.0 | 30.00 |
| 2-Hexanone | 1250 | 957 | 77 | 1250 | 997 | 80 | 70.0-130 | 4.1 | 30.00 |
| Dibromochloromethane | 250 | 215 | 86 | 250 | 225 | 90 | 70.0-130 | 4.5 | 30.00 |
| 1,2-Dibromoethane | 250 | 214 | 85 | 250 | 231 | 92 | 70.0-130 | 7.6 | 30.00 |
| Chlorobenzene | 250 | 225 | 90 | 250 | 231 | 92 | 70.0-130 | 2.6 | 30.00 |
| 1,1,1,2-Tetrachloroethane | 250 | 228 | 91 | 250 | 225 | 90 | 70.0-130 | 1.3 | 30.00 |
| Bromoform | 250 | 218 | 87 | 250 | 234 | 94 | 70.0-130 | 7.1 | 30.00 |
| Bromobenzene | 250 | 228 | 91 | 250 | 227 | 91 | 70.0-130 | 0.44 | 30.00 |
| 1,1,2,2-Tetrachloroethane | 250 | 223 | 89 | 250 | 222 | 89 | 70.0-130 | 0.45 | 30.00 |
| 1,2,3-Trichloropropane | 250 | 217 | 87 | 250 | 229 | 91 | 70.0-130 | 5.4 | 30.00 |
| Ethyl Benzene | 250 | 232 | 93 | 250 | 238 | 95 | 70.0-130 | 2.6 | 30.00 |
| m,p-Xylene | 500 | 464 | 93 | 500 | 486 | 97 | 70.0-130 | 4.6 | 30.00 |
| Styrene | 250 | 236 | 94 | 250 | 238 | 95 | 70.0-130 | 0.84 | 30.00 |
| o-Xylene | 250 | 237 | 95 | 250 | 243 | 97 | 70.0-130 | 2.5 | 30.00 |
| Isopropylbenzene (Cumene) | 250 | 229 | 92 | 250 | 239 | 95 | 70.0-130 | 4.3 | 30.00 |
| n-Propylbenzene | 250 | 231 | 92 | 250 | 230 | 92 | 70.0-130 | 0.43 | 30.00 |
| 2-Chlorotoluene | 250 | 236 | 94 | 250 | 237 | 95 | 70.0-130 | 0.42 | 30.00 |
| 4-Chlorotoluene | 250 | 228 | 91 | 250 | 246 | 98 | 70.0-130 | 7.6 | 30.00 |
| 1,3,5-Trimethylbenzene | 250 | 230 | 92 | 250 | 233 | 93 | 70.0-130 | 1.3 | 30.00 |
| tert-Butylbenzene | 250 | 235 | 94 | 250 | 239 | 96 | 70.0-130 | 1.7 | 30.00 |
| 1,2,4-Trimethylbenzene | 250 | 233 | 93 | 250 | 236 | 94 | 70.0-130 | 1.3 | 30.00 |
| sec-Butylbenzene | 250 | 229 | 92 | 250 | 238 | 95 | 70.0-130 | 3.9 | 30.00 |
| 1,3-Dichlorobenzene | 250 | 234 | 93 | 250 | 241 | 96 | 70.0-130 | 2.9 | 30.00 |
| 4-Isopropyltoluene | 250 | 236 | 94 | 250 | 235 | 94 | 70.0-130 | 0.42 | 30.00 |
| 1,4-Dichlorobenzene | 250 | 242 | 97 | 250 | 238 | 95 | 70.0-130 | 1.7 | 30.00 |
| 1,2-Dichlorobenzene | 250 | 229 | 92 | 250 | 231 | 92 | 70.0-130 | 0.87 | 30.00 |
| n-Butylbenzene | 250 | 228 | 91 | 250 | 230 | 92 | 70.0-130 | 0.87 | 30.00 |
| 1,2-Dibromo-3-chloropropane | 1500 | 1480 | 98 | 1500 | 1550 | 103 | 70.0-130 | 4.6 | 30.00 |
| 1,2,4-Trichlorobenzene | 250 | 244 | 98 | 250 | 244 | 97 | 70.0-130 | 0.0 | 30.00 |
| Hexachlorobutadiene | 250 | 237 | 95 | 250 | 241 | 96 | 70.0-130 | 1.7 | 30.00 |
| Naphthalene | 250 | 249 | 100 | 250 | 260 | 104 | 70.0-130 | 4.3 | 30.00 |
| trans-1,4-Dichloro-2-butene | 1250 | 1190 | 95 | 1250 | 1240 | 100 | 70.0-130 | 4.1 | 30.00 |
| 1,2,3-Trichlorobenzene | 250 | 243 | 97 | 250 | 250 | 100 | 70.0-130 | 2.8 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10324 [VXX/1941]
Blank Spike Lab ID: 36032
Date Analyzed: 08/17/2011 11:29

Spike Duplicate ID: LCSD-S for HBN 10324 [VXX/1941
Spike Duplicate Lab ID: 36033
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150003, 31102150004, 31102150012, 31102150013, 31102150017

## Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| **Surrogates** | | | | | | | | | |
| 1,2-Dichloroethane-d4 | | | 103 | | | 99 | 55.0-173 | | |
| Toluene d8 | | | 104 | | | 99 | 57.0-134 | | |
| 4-Bromofluorobenzene | | | 99 | | | 98 | 23.0-141 | | |

## Batch Information

Analytical Batch: **VMS1464**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **BWS**

Prep Batch: **VXX1941**
Prep Method: **SW-846 5035 SM**
Prep Date/Time: **08/17/2011 09:56**
Spike Init Wt./Vol.: **5 g** Extract Vol: **5 mL**
Dupe Init Wt./Vol.: **5 g** Extract Vol: **5 mL**



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## Batch Summary

Analytical Method: SW-846 8260B

Prep Method: SW-846 5035 SL
Prep Batch: VXX1943
Prep Date: 08/18/2011 08:00

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| LCS-S for HBN 10328 [VXX/1943] | 36056 | 08/18/2011 10:05 | VMS1467 | MSD4 | DVO |
| LCSD-S for HBN 10328 [VXX/1943 | 36057 | 08/18/2011 10:31 | VMS1467 | MSD4 | DVO |
| MB-S for HBN 10328 [VXX/1943] | 36058 | 08/18/2011 11:23 | VMS1467 | MSD4 | DVO |
| SB07 (1.0-1.5) | 31102150010 | 08/18/2011 16:11 | VMS1467 | MSD4 | DVO |
| SB08 (2.0-3.0) | 31102150011 | 08/18/2011 16:37 | VMS1467 | MSD4 | DVO |
| SB11 (2.0-3.0) | 31102150014 | 08/18/2011 17:04 | VMS1467 | MSD4 | DVO |
| SB01 (2.0-3.0) | 31102150002 | 08/18/2011 17:56 | VMS1467 | MSD4 | DVO |
| SB05 (2.0-3.0) | 31102150008 | 08/18/2011 18:49 | VMS1467 | MSD4 | DVO |
| E11-160-S1(35295DUP) | 36137 | 08/18/2011 19:15 | VMS1467 | MSD4 | DVO |
| E11-157-S3(35294MS) | 36138 | 08/18/2011 19:41 | VMS1467 | MSD4 | DVO |



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## Method Blank

Blank ID: MB-S for HBN 10328 [VXX/1943]
Blank Lab ID: 36058
QC for Samples:
31102150002, 31102150008, 31102150010, 31102150011, 31102150014

Matrix: Soil-Solid as dry weight

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.727 | 5.00 | ug/Kg | 1 |
| Chloromethane | ND | U | 0.725 | 5.00 | ug/Kg | 1 |
| Vinyl chloride | ND | U | 0.736 | 5.00 | ug/Kg | 1 |
| Bromomethane | ND | U | 1.76 | 5.00 | ug/Kg | 1 |
| Chloroethane | ND | U | 0.460 | 5.00 | ug/Kg | 1 |
| Trichlorofluoromethane | ND | U | 0.754 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloroethene | ND | U | 0.903 | 5.00 | ug/Kg | 1 |
| Acetone | ND | U | 1.24 | 50.0 | ug/Kg | 1 |
| Methylene chloride | **1.00** | J | 0.698 | 20.0 | ug/Kg | 1 |
| trans-1,2-Dichloroethene | ND | U | 0.861 | 5.00 | ug/Kg | 1 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.852 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloroethane | ND | U | 0.863 | 5.00 | ug/Kg | 1 |
| Diisopropyl Ether | ND | U | 0.898 | 5.00 | ug/Kg | 1 |
| 2,2-Dichloropropane | ND | U | 0.834 | 5.00 | ug/Kg | 1 |
| cis-1,2-Dichloroethene | ND | U | 0.775 | 5.00 | ug/Kg | 1 |
| 2-Butanone | ND | U | 1.56 | 25.0 | ug/Kg | 1 |
| Bromochloromethane | ND | U | 0.873 | 5.00 | ug/Kg | 1 |
| Chloroform | ND | U | 0.812 | 5.00 | ug/Kg | 1 |
| 1,1,1-Trichloroethane | ND | U | 0.778 | 5.00 | ug/Kg | 1 |
| Carbon tetrachloride | ND | U | 0.870 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloropropene | ND | U | 0.922 | 5.00 | ug/Kg | 1 |
| Benzene | ND | U | 0.893 | 5.00 | ug/Kg | 1 |
| 1,2-Dichloroethane | ND | U | 0.886 | 5.00 | ug/Kg | 1 |
| Trichloroethene | ND | U | 0.837 | 5.00 | ug/Kg | 1 |
| 1,2-Dichloropropane | ND | U | 0.805 | 5.00 | ug/Kg | 1 |
| Dibromomethane | ND | U | 0.812 | 5.00 | ug/Kg | 1 |
| Bromodichloromethane | ND | U | 0.813 | 5.00 | ug/Kg | 1 |
| cis-1,3-Dichloropropene | ND | U | 0.861 | 5.00 | ug/Kg | 1 |
| 4-Methyl-2-pentanone | ND | U | 3.21 | 12.5 | ug/Kg | 1 |
| Toluene | ND | U | 0.810 | 5.00 | ug/Kg | 1 |
| Methyl iodide | ND | U | 0.846 | 5.00 | ug/Kg | 1 |
| trans-1,3-Dichloropropene | ND | U | 0.896 | 5.00 | ug/Kg | 1 |
| Carbon disulfide | ND | U | 0.864 | 5.00 | ug/Kg | 1 |
| 1,1,2-Trichloroethane | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| Tetrachloroethene | ND | U | 0.752 | 5.00 | ug/Kg | 1 |
| 1,3-Dichloropropane | ND | U | 0.806 | 5.00 | ug/Kg | 1 |
| 2-Hexanone | ND | U | 1.95 | 12.5 | ug/Kg | 1 |
| Dibromochloromethane | ND | U | 0.847 | 5.00 | ug/Kg | 1 |
| 1,2-Dibromoethane | ND | U | 0.758 | 5.00 | ug/Kg | 1 |
| Chlorobenzene | ND | U | 0.774 | 5.00 | ug/Kg | 1 |
| 1,1,1,2-Tetrachloroethane | ND | U | 1.06 | 5.00 | ug/Kg | 1 |



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## Method Blank

Blank ID: MB-S for HBN 10328 [VXX/1943]
Blank Lab ID: 36058
QC for Samples:
31102150002, 31102150008, 31102150010, 31102150011, 31102150014

Matrix: Soil-Solid as dry weight

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Bromoform | ND | U | 0.669 | 5.00 | ug/Kg | 1 |
| Bromobenzene | ND | U | 0.986 | 5.00 | ug/Kg | 1 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.13 | 5.00 | ug/Kg | 1 |
| 1,2,3-Trichloropropane | ND | U | 1.11 | 5.00 | ug/Kg | 1 |
| Ethyl Benzene | ND | U | 0.827 | 5.00 | ug/Kg | 1 |
| m,p-Xylene | ND | U | 1.77 | 10.0 | ug/Kg | 1 |
| Styrene | ND | U | 0.986 | 5.00 | ug/Kg | 1 |
| o-Xylene | ND | U | 1.01 | 5.00 | ug/Kg | 1 |
| Isopropylbenzene (Cumene) | ND | U | 0.963 | 5.00 | ug/Kg | 1 |
| n-Propylbenzene | ND | U | 0.975 | 5.00 | ug/Kg | 1 |
| 2-Chlorotoluene | ND | U | 1.12 | 5.00 | ug/Kg | 1 |
| 4-Chlorotoluene | ND | U | 1.11 | 5.00 | ug/Kg | 1 |
| 1,3,5-Trimethylbenzene | ND | U | 0.984 | 5.00 | ug/Kg | 1 |
| tert-Butylbenzene | ND | U | 0.906 | 5.00 | ug/Kg | 1 |
| 1,2,4-Trimethylbenzene | ND | U | 1.07 | 5.00 | ug/Kg | 1 |
| sec-Butylbenzene | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| 1,3-Dichlorobenzene | ND | U | 1.16 | 5.00 | ug/Kg | 1 |
| 4-Isopropyltoluene | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| 1,4-Dichlorobenzene | ND | U | 1.10 | 5.00 | ug/Kg | 1 |
| 1,2-Dichlorobenzene | ND | U | 1.29 | 5.00 | ug/Kg | 1 |
| n-Butylbenzene | ND | U | 1.08 | 5.00 | ug/Kg | 1 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.81 | 30.0 | ug/Kg | 1 |
| 1,2,4-Trichlorobenzene | ND | U | 1.19 | 5.00 | ug/Kg | 1 |
| Hexachlorobutadiene | ND | U | 1.37 | 5.00 | ug/Kg | 1 |
| Naphthalene | ND | U | 1.21 | 5.00 | ug/Kg | 1 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.41 | 25.0 | ug/Kg | 1 |
| 1,2,3-Trichlorobenzene | ND | U | 1.39 | 5.00 | ug/Kg | 1 |
| **Surrogates** | | | | | | |
| 1,2-Dichloroethane-d4 | 108 | | | 55.0-173 | % | 1 |
| Toluene d8 | 98.0 | | | 57.0-134 | % | 1 |
| 4-Bromofluorobenzene | 100 | | | 23.0-141 | % | 1 |

## Batch Information

Analytical Batch: VMS1467
Analytical Method: SW-846 8260B
Instrument: MSD4
Analyst: DVO
Analytical Date/Time: 8/18/2011 11:23:00AM

Prep Batch: VXX1943
Prep Method: SW-846 5035 SL
Prep Date/Time: 8/18/2011 8:00:00AM
Prep Initial Wt./Vol.: 5 g
Prep Extract Vol: 5 mL



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10328 [VXX/1943]
Blank Spike Lab ID: 36056
Date Analyzed: 08/18/2011 10:05

Spike Duplicate ID: LCSD-S for HBN 10328 [VXX/1943
Spike Duplicate Lab ID: 36057
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150002, 31102150008, 31102150010, 31102150011, 31102150014

### Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Dichlorodifluoromethane | 30.0 | 30.2 | 101 | 30.0 | 30.0 | 100 | 52.0-133 | 0.66 | 30.00 |
| Chloromethane | 30.0 | 28.4 | 95 | 30.0 | 27.6 | 92 | 64.0-126 | 2.9 | 30.00 |
| Vinyl chloride | 30.0 | 30.9 | 103 | 30.0 | 30.6 | 102 | 69.0-120 | 0.98 | 30.00 |
| Bromomethane | 30.0 | 30.5 | 102 | 30.0 | 29.6 | 99 | 41.0-160 | 3.0 | 30.00 |
| Chloroethane | 30.0 | 30.9 | 103 | 30.0 | 30.6 | 102 | 69.0-126 | 0.98 | 30.00 |
| Trichlorofluoromethane | 30.0 | 30.4 | 101 | 30.0 | 28.8 | 96 | 72.0-123 | 5.4 | 30.00 |
| 1,1-Dichloroethene | 30.0 | 29.3 | 98 | 30.0 | 29.2 | 97 | 78.0-113 | 0.34 | 30.00 |
| Acetone | 75.0 | 78.8 | 105 | 75.0 | 80.0 | 107 | 0.00-243 | 1.5 | 30.00 |
| Methylene chloride | 30.0 | 28.2 | 94 | 30.0 | 28.3 | 94 | 40.0-156 | 0.35 | 30.00 |
| trans-1,2-Dichloroethene | 30.0 | 29.3 | 98 | 30.0 | 28.7 | 96 | 78.0-111 | 2.1 | 30.00 |
| tert-Butyl methyl ether (MTBE) | 30.0 | 30.5 | 102 | 30.0 | 30.9 | 103 | 68.0-138 | 1.3 | 30.00 |
| 1,1-Dichloroethane | 30.0 | 28.7 | 96 | 30.0 | 28.1 | 94 | 71.0-121 | 2.1 | 30.00 |
| Diisopropyl Ether | 30.0 | 29.1 | 97 | 30.0 | 29.3 | 98 | 60.0-141 | 0.68 | 30.00 |
| 2,2-Dichloropropane | 30.0 | 30.1 | 100 | 30.0 | 29.3 | 98 | 79.0-127 | 2.7 | 30.00 |
| cis-1,2-Dichloroethene | 30.0 | 28.9 | 96 | 30.0 | 28.7 | 96 | 80.0-114 | 0.69 | 30.00 |
| 2-Butanone | 75.0 | 77.9 | 104 | 75.0 | 80.3 | 107 | 31.0-189 | 3.0 | 30.00 |
| Bromochloromethane | 30.0 | 29.0 | 97 | 30.0 | 29.1 | 97 | 81.0-115 | 0.34 | 30.00 |
| Chloroform | 30.0 | 29.5 | 98 | 30.0 | 29.1 | 97 | 76.0-114 | 1.4 | 30.00 |
| 1,1,1-Trichloroethane | 30.0 | 29.0 | 97 | 30.0 | 29.1 | 97 | 79.0-117 | 0.34 | 30.00 |
| Carbon tetrachloride | 30.0 | 29.6 | 99 | 30.0 | 28.7 | 96 | 82.0-119 | 3.1 | 30.00 |
| 1,1-Dichloropropene | 30.0 | 27.7 | 92 | 30.0 | 28.7 | 96 | 82.0-114 | 3.5 | 30.00 |
| Benzene | 30.0 | 28.9 | 96 | 30.0 | 29.3 | 98 | 82.0-113 | 1.4 | 30.00 |
| 1,2-Dichloroethane | 30.0 | 29.9 | 100 | 30.0 | 29.4 | 98 | 72.0-126 | 1.7 | 30.00 |
| Trichloroethene | 30.0 | 28.4 | 95 | 30.0 | 28.6 | 95 | 82.0-108 | 0.70 | 30.00 |
| 1,2-Dichloropropane | 30.0 | 28.8 | 96 | 30.0 | 29.1 | 97 | 78.0-116 | 1.0 | 30.00 |
| Dibromomethane | 30.0 | 30.5 | 102 | 30.0 | 30.4 | 101 | 79.0-125 | 0.33 | 30.00 |
| Bromodichloromethane | 30.0 | 29.1 | 97 | 30.0 | 29.3 | 98 | 79.0-122 | 0.68 | 30.00 |
| cis-1,3-Dichloropropene | 30.0 | 28.7 | 96 | 30.0 | 28.8 | 96 | 75.0-127 | 0.35 | 30.00 |
| 4-Methyl-2-pentanone | 75.0 | 79.4 | 106 | 75.0 | 80.9 | 108 | 57.0-159 | 1.9 | 30.00 |
| Toluene | 30.0 | 28.1 | 94 | 30.0 | 27.8 | 93 | 83.0-111 | 1.1 | 30.00 |
| Methyl iodide | 30.0 | 29.7 | 99 | 30.0 | 29.1 | 97 | 63.0-137 | 2.0 | 30.00 |
| trans-1,3-Dichloropropene | 30.0 | 30.3 | 101 | 30.0 | 29.9 | 100 | 75.0-134 | 1.3 | 30.00 |
| Carbon disulfide | 30.0 | 28.2 | 94 | 30.0 | 27.8 | 93 | 72.0-116 | 1.4 | 30.00 |
| 1,1,2-Trichloroethane | 30.0 | 30.7 | 102 | 30.0 | 30.8 | 103 | 73.0-121 | 0.33 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10328 [VXX/1943]
Blank Spike Lab ID: 36056
Date Analyzed: 08/18/2011 10:05

Spike Duplicate ID: LCSD-S for HBN 10328 [VXX/1943
Spike Duplicate Lab ID: 36057
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150002, 31102150008, 31102150010, 31102150011, 31102150014

### Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Tetrachloroethene | 30.0 | 29.1 | 97 | 30.0 | 28.7 | 96 | 60.0-118 | 1.4 | 30.00 |
| 1,3-Dichloropropane | 30.0 | 30.6 | 102 | 30.0 | 30.7 | 102 | 76.0-121 | 0.33 | 30.00 |
| 2-Hexanone | 75.0 | 79.1 | 105 | 75.0 | 80.8 | 108 | 41.0-171 | 2.1 | 30.00 |
| Dibromochloromethane | 30.0 | 30.5 | 102 | 30.0 | 30.2 | 101 | 77.0-126 | 0.99 | 30.00 |
| 1,2-Dibromoethane | 30.0 | 31.1 | 104 | 30.0 | 31.4 | 105 | 76.0-125 | 0.96 | 30.00 |
| Chlorobenzene | 30.0 | 29.1 | 97 | 30.0 | 28.8 | 96 | 78.0-109 | 1.0 | 30.00 |
| 1,1,1,2-Tetrachloroethane | 30.0 | 29.4 | 98 | 30.0 | 29.1 | 97 | 81.0-117 | 1.0 | 30.00 |
| Bromoform | 30.0 | 31.9 | 106 | 30.0 | 31.5 | 105 | 72.0-134 | 1.3 | 30.00 |
| Bromobenzene | 30.0 | 29.7 | 99 | 30.0 | 29.2 | 97 | 76.0-113 | 1.7 | 30.00 |
| 1,1,2,2-Tetrachloroethane | 30.0 | 31.6 | 105 | 30.0 | 31.6 | 105 | 76.0-129 | 0.0 | 30.00 |
| 1,2,3-Trichloropropane | 30.0 | 31.2 | 104 | 30.0 | 31.1 | 104 | 70.0-145 | 0.32 | 30.00 |
| Ethyl Benzene | 30.0 | 29.2 | 97 | 30.0 | 28.9 | 96 | 72.0-115 | 1.0 | 30.00 |
| m,p-Xylene | 60.0 | 58.7 | 98 | 60.0 | 56.9 | 95 | 73.0-114 | 3.1 | 30.00 |
| Styrene | 30.0 | 29.7 | 99 | 30.0 | 29.0 | 97 | 74.0-114 | 2.4 | 30.00 |
| o-Xylene | 30.0 | 29.3 | 98 | 30.0 | 28.5 | 95 | 74.0-113 | 2.8 | 30.00 |
| Isopropylbenzene (Cumene) | 30.0 | 29.3 | 98 | 30.0 | 28.4 | 95 | 72.0-115 | 3.1 | 30.00 |
| n-Propylbenzene | 30.0 | 29.2 | 97 | 30.0 | 28.4 | 95 | 71.0-117 | 2.8 | 30.00 |
| 2-Chlorotoluene | 30.0 | 28.9 | 96 | 30.0 | 28.3 | 94 | 76.0-111 | 2.1 | 30.00 |
| 4-Chlorotoluene | 30.0 | 29.4 | 98 | 30.0 | 28.9 | 96 | 75.0-113 | 1.7 | 30.00 |
| 1,3,5-Trimethylbenzene | 30.0 | 29.1 | 97 | 30.0 | 28.3 | 94 | 72.0-115 | 2.8 | 30.00 |
| tert-Butylbenzene | 30.0 | 28.5 | 95 | 30.0 | 28.2 | 94 | 74.0-112 | 1.1 | 30.00 |
| 1,2,4-Trimethylbenzene | 30.0 | 29.2 | 97 | 30.0 | 28.4 | 95 | 73.0-114 | 2.8 | 30.00 |
| sec-Butylbenzene | 30.0 | 29.1 | 97 | 30.0 | 28.3 | 94 | 72.0-115 | 2.8 | 30.00 |
| 1,3-Dichlorobenzene | 30.0 | 28.5 | 95 | 30.0 | 28.3 | 94 | 75.0-110 | 0.70 | 30.00 |
| 4-Isopropyltoluene | 30.0 | 29.2 | 97 | 30.0 | 28.4 | 95 | 73.0-114 | 2.8 | 30.00 |
| 1,4-Dichlorobenzene | 30.0 | 29.0 | 97 | 30.0 | 28.9 | 96 | 76.0-110 | 0.35 | 30.00 |
| 1,2-Dichlorobenzene | 30.0 | 29.0 | 97 | 30.0 | 28.5 | 95 | 77.0-109 | 1.7 | 30.00 |
| n-Butylbenzene | 30.0 | 29.0 | 97 | 30.0 | 28.5 | 95 | 72.0-118 | 1.7 | 30.00 |
| 1,2-Dibromo-3-chloropropane | 180 | 199 | 110 | 180 | 196 | 109 | 54.0-166 | 1.5 | 30.00 |
| 1,2,4-Trichlorobenzene | 30.0 | 29.1 | 97 | 30.0 | 28.8 | 96 | 76.0-115 | 1.0 | 30.00 |
| Hexachlorobutadiene | 30.0 | 28.4 | 95 | 30.0 | 27.2 | 91 | 70.0-111 | 4.3 | 30.00 |
| Naphthalene | 30.0 | 30.7 | 102 | 30.0 | 30.8 | 103 | 71.0-129 | 0.33 | 30.00 |
| trans-1,4-Dichloro-2-butene | 150 | 166 | 111 | 150 | 164 | 110 | 62.0-164 | 1.2 | 30.00 |
| 1,2,3-Trichlorobenzene | 30.0 | 29.4 | 98 | 30.0 | 29.1 | 97 | 78.0-115 | 1.0 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10328 [VXX/1943]
Blank Spike Lab ID: 36056
Date Analyzed: 08/18/2011 10:05

Spike Duplicate ID: LCSD-S for HBN 10328 [VXX/1943
Spike Duplicate Lab ID: 36057
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150002, 31102150008, 31102150010, 31102150011, 31102150014

## Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| **Surrogates** | | | | | | | | | |
| 1,2-Dichloroethane-d4 | | | 102 | | | 103 | 55.0-173 | | |
| Toluene d8 | | | 98 | | | 100 | 57.0-134 | | |
| 4-Bromofluorobenzene | | | 101 | | | 101 | 23.0-141 | | |

## Batch Information

Analytical Batch: **VMS1467**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**

Prep Batch: **VXX1943**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/18/2011 08:00**
Spike Init Wt./Vol.: **5 g** Extract Vol: **5 mL**
Dupe Init Wt./Vol.: **5 g** Extract Vol: **5 mL**



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## Batch Summary

Analytical Method: SW-846 8260B

Prep Method: SW-846 5035 SL
Prep Batch: VXX1947
Prep Date: 08/19/2011 08:09

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| LCS-S for HBN 10342 [VXX/1947] | 36103 | 08/19/2011 09:37 | VMS1472 | MSD4 | DVO |
| LCSD-S for HBN 10342 [VXX/1947 | 36104 | 08/19/2011 10:03 | VMS1472 | MSD4 | DVO |
| MB-S for HBN 10342 [VXX/1947] | 36105 | 08/19/2011 10:55 | VMS1472 | MSD4 | DVO |
| SB11D (2.0-3.0) | 31102150015 | 08/19/2011 12:40 | VMS1472 | MSD4 | DVO |
| E11-196-S3 MS | 31102191013 | 08/19/2011 18:17 | VMS1472 | MSD4 | DVO |
| E11-196-S3 MSD | 31102191014 | 08/19/2011 18:43 | VMS1472 | MSD4 | DVO |



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## Method Blank

Blank ID: MB-S for HBN 10342 [VXX/1947]
Blank Lab ID: 36105
QC for Samples:
31102150015

Matrix: Soil-Solid as dry weight

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | ND | U | 0.727 | 5.00 | ug/Kg | 1 |
| Chloromethane | ND | U | 0.725 | 5.00 | ug/Kg | 1 |
| Vinyl chloride | ND | U | 0.736 | 5.00 | ug/Kg | 1 |
| Bromomethane | ND | U | 1.76 | 5.00 | ug/Kg | 1 |
| Chloroethane | ND | U | 0.460 | 5.00 | ug/Kg | 1 |
| Trichlorofluoromethane | ND | U | 0.754 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloroethene | ND | U | 0.903 | 5.00 | ug/Kg | 1 |
| Acetone | ND | U | 1.24 | 50.0 | ug/Kg | 1 |
| Methylene chloride | **1.39** | J | 0.698 | 20.0 | ug/Kg | 1 |
| trans-1,2-Dichloroethene | ND | U | 0.861 | 5.00 | ug/Kg | 1 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.852 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloroethane | ND | U | 0.863 | 5.00 | ug/Kg | 1 |
| Diisopropyl Ether | ND | U | 0.898 | 5.00 | ug/Kg | 1 |
| 2,2-Dichloropropane | ND | U | 0.834 | 5.00 | ug/Kg | 1 |
| cis-1,2-Dichloroethene | ND | U | 0.775 | 5.00 | ug/Kg | 1 |
| 2-Butanone | ND | U | 1.56 | 25.0 | ug/Kg | 1 |
| Bromochloromethane | ND | U | 0.873 | 5.00 | ug/Kg | 1 |
| Chloroform | ND | U | 0.812 | 5.00 | ug/Kg | 1 |
| 1,1,1-Trichloroethane | ND | U | 0.778 | 5.00 | ug/Kg | 1 |
| Carbon tetrachloride | ND | U | 0.870 | 5.00 | ug/Kg | 1 |
| 1,1-Dichloropropene | ND | U | 0.922 | 5.00 | ug/Kg | 1 |
| Benzene | ND | U | 0.893 | 5.00 | ug/Kg | 1 |
| 1,2-Dichloroethane | ND | U | 0.886 | 5.00 | ug/Kg | 1 |
| Trichloroethene | ND | U | 0.837 | 5.00 | ug/Kg | 1 |
| 1,2-Dichloropropane | ND | U | 0.805 | 5.00 | ug/Kg | 1 |
| Dibromomethane | ND | U | 0.812 | 5.00 | ug/Kg | 1 |
| Bromodichloromethane | ND | U | 0.813 | 5.00 | ug/Kg | 1 |
| cis-1,3-Dichloropropene | ND | U | 0.861 | 5.00 | ug/Kg | 1 |
| 4-Methyl-2-pentanone | ND | U | 3.21 | 12.5 | ug/Kg | 1 |
| Toluene | ND | U | 0.810 | 5.00 | ug/Kg | 1 |
| Methyl iodide | ND | U | 0.846 | 5.00 | ug/Kg | 1 |
| trans-1,3-Dichloropropene | ND | U | 0.896 | 5.00 | ug/Kg | 1 |
| Carbon disulfide | ND | U | 0.864 | 5.00 | ug/Kg | 1 |
| 1,1,2-Trichloroethane | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| Tetrachloroethene | ND | U | 0.752 | 5.00 | ug/Kg | 1 |
| 1,3-Dichloropropane | ND | U | 0.806 | 5.00 | ug/Kg | 1 |
| 2-Hexanone | ND | U | 1.95 | 12.5 | ug/Kg | 1 |
| Dibromochloromethane | ND | U | 0.847 | 5.00 | ug/Kg | 1 |
| 1,2-Dibromoethane | ND | U | 0.758 | 5.00 | ug/Kg | 1 |
| Chlorobenzene | ND | U | 0.774 | 5.00 | ug/Kg | 1 |
| 1,1,1,2-Tetrachloroethane | ND | U | 1.06 | 5.00 | ug/Kg | 1 |



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## Method Blank

Blank ID: MB-S for HBN 10342 [VXX/1947]
Blank Lab ID: 36105
QC for Samples:
31102150015

Matrix: Soil-Solid as dry weight

### Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Bromoform | ND | U | 0.669 | 5.00 | ug/Kg | 1 |
| Bromobenzene | ND | U | 0.986 | 5.00 | ug/Kg | 1 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.13 | 5.00 | ug/Kg | 1 |
| 1,2,3-Trichloropropane | ND | U | 1.11 | 5.00 | ug/Kg | 1 |
| Ethyl Benzene | ND | U | 0.827 | 5.00 | ug/Kg | 1 |
| m,p-Xylene | ND | U | 1.77 | 10.0 | ug/Kg | 1 |
| Styrene | ND | U | 0.986 | 5.00 | ug/Kg | 1 |
| o-Xylene | ND | U | 1.01 | 5.00 | ug/Kg | 1 |
| Isopropylbenzene (Cumene) | ND | U | 0.963 | 5.00 | ug/Kg | 1 |
| n-Propylbenzene | ND | U | 0.975 | 5.00 | ug/Kg | 1 |
| 2-Chlorotoluene | ND | U | 1.12 | 5.00 | ug/Kg | 1 |
| 4-Chlorotoluene | ND | U | 1.11 | 5.00 | ug/Kg | 1 |
| 1,3,5-Trimethylbenzene | ND | U | 0.984 | 5.00 | ug/Kg | 1 |
| tert-Butylbenzene | ND | U | 0.906 | 5.00 | ug/Kg | 1 |
| 1,2,4-Trimethylbenzene | ND | U | 1.07 | 5.00 | ug/Kg | 1 |
| sec-Butylbenzene | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| 1,3-Dichlorobenzene | ND | U | 1.16 | 5.00 | ug/Kg | 1 |
| 4-Isopropyltoluene | ND | U | 1.04 | 5.00 | ug/Kg | 1 |
| 1,4-Dichlorobenzene | ND | U | 1.10 | 5.00 | ug/Kg | 1 |
| 1,2-Dichlorobenzene | ND | U | 1.29 | 5.00 | ug/Kg | 1 |
| n-Butylbenzene | ND | U | 1.08 | 5.00 | ug/Kg | 1 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.81 | 30.0 | ug/Kg | 1 |
| 1,2,4-Trichlorobenzene | ND | U | 1.19 | 5.00 | ug/Kg | 1 |
| Hexachlorobutadiene | ND | U | 1.37 | 5.00 | ug/Kg | 1 |
| Naphthalene | ND | U | 1.21 | 5.00 | ug/Kg | 1 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.41 | 25.0 | ug/Kg | 1 |
| 1,2,3-Trichlorobenzene | ND | U | 1.39 | 5.00 | ug/Kg | 1 |
| **Surrogates** | | | | | | |
| 1,2-Dichloroethane-d4 | 106 | | | 55.0-173 | % | 1 |
| Toluene d8 | 100 | | | 57.0-134 | % | 1 |
| 4-Bromofluorobenzene | 99.0 | | | 23.0-141 | % | 1 |

### Batch Information

Analytical Batch: VMS1472
Analytical Method: SW-846 8260B
Instrument: MSD4
Analyst: DVO
Analytical Date/Time: 8/19/2011 10:55:00AM

Prep Batch: VXX1947
Prep Method: SW-846 5035 SL
Prep Date/Time: 8/19/2011 8:09:39AM
Prep Initial Wt./Vol.: 5 g
Prep Extract Vol: 5 mL



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10342 [VXX/1947]
Blank Spike Lab ID: 36103
Date Analyzed: 08/19/2011 09:37

Spike Duplicate ID: LCSD-S for HBN 10342 [VXX/1947
Spike Duplicate Lab ID: 36104
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150015

### Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Dichlorodifluoromethane | 30.0 | 30.3 | 101 | 30.0 | 33.3 | 111 | 52.0-133 | 9.4 | 30.00 |
| Chloromethane | 30.0 | 30.3 | 101 | 30.0 | 33.3 | 111 | 64.0-126 | 9.4 | 30.00 |
| Vinyl chloride | 30.0 | 31.5 | 105 | 30.0 | 33.7 | 112 | 69.0-120 | 6.7 | 30.00 |
| Bromomethane | 30.0 | 34.3 | 114 | 30.0 | 36.8 | 123 | 41.0-160 | 7.0 | 30.00 |
| Chloroethane | 30.0 | 32.9 | 110 | 30.0 | 36.5 | 122 | 69.0-126 | 10 | 30.00 |
| Trichlorofluoromethane | 30.0 | 32.1 | 107 | 30.0 | 36.1 | 120 | 72.0-123 | 12 | 30.00 |
| 1,1-Dichloroethene | 30.0 | 30.0 | 100 | 30.0 | 31.1 | 104 | 78.0-113 | 3.6 | 30.00 |
| Acetone | 75.0 | 79.9 | 107 | 75.0 | 85.7 | 114 | 0.00-243 | 7.0 | 30.00 |
| Methylene chloride | 30.0 | 29.6 | 99 | 30.0 | 30.7 | 102 | 40.0-156 | 3.6 | 30.00 |
| trans-1,2-Dichloroethene | 30.0 | 29.6 | 99 | 30.0 | 29.9 | 100 | 78.0-111 | 1.0 | 30.00 |
| tert-Butyl methyl ether (MTBE) | 30.0 | 31.0 | 103 | 30.0 | 31.7 | 106 | 68.0-138 | 2.2 | 30.00 |
| 1,1-Dichloroethane | 30.0 | 29.2 | 97 | 30.0 | 29.5 | 98 | 71.0-121 | 1.0 | 30.00 |
| Diisopropyl Ether | 30.0 | 29.8 | 99 | 30.0 | 31.1 | 104 | 60.0-141 | 4.3 | 30.00 |
| 2,2-Dichloropropane | 30.0 | 31.6 | 105 | 30.0 | 31.2 | 104 | 79.0-127 | 1.3 | 30.00 |
| cis-1,2-Dichloroethene | 30.0 | 29.2 | 97 | 30.0 | 30.2 | 101 | 80.0-114 | 3.4 | 30.00 |
| 2-Butanone | 75.0 | 74.4 | 99 | 75.0 | 77.4 | 103 | 31.0-189 | 4.0 | 30.00 |
| Bromochloromethane | 30.0 | 30.2 | 101 | 30.0 | 30.7 | 102 | 81.0-115 | 1.6 | 30.00 |
| Chloroform | 30.0 | 30.5 | 102 | 30.0 | 31.3 | 104 | 76.0-114 | 2.6 | 30.00 |
| 1,1,1-Trichloroethane | 30.0 | 30.7 | 102 | 30.0 | 31.0 | 103 | 79.0-117 | 0.97 | 30.00 |
| Carbon tetrachloride | 30.0 | 30.9 | 103 | 30.0 | 30.8 | 103 | 82.0-119 | 0.32 | 30.00 |
| 1,1-Dichloropropene | 30.0 | 28.6 | 95 | 30.0 | 29.2 | 97 | 82.0-114 | 2.1 | 30.00 |
| Benzene | 30.0 | 28.5 | 95 | 30.0 | 29.5 | 98 | 82.0-113 | 3.4 | 30.00 |
| 1,2-Dichloroethane | 30.0 | 30.0 | 100 | 30.0 | 30.8 | 103 | 72.0-126 | 2.6 | 30.00 |
| Trichloroethene | 30.0 | 28.3 | 94 | 30.0 | 29.2 | 97 | 82.0-108 | 3.1 | 30.00 |
| 1,2-Dichloropropane | 30.0 | 28.7 | 96 | 30.0 | 29.5 | 98 | 78.0-116 | 2.7 | 30.00 |
| Dibromomethane | 30.0 | 30.8 | 103 | 30.0 | 31.0 | 103 | 79.0-125 | 0.65 | 30.00 |
| Bromodichloromethane | 30.0 | 29.8 | 99 | 30.0 | 30.1 | 100 | 79.0-122 | 1.0 | 30.00 |
| cis-1,3-Dichloropropene | 30.0 | 29.0 | 97 | 30.0 | 29.7 | 99 | 75.0-127 | 2.4 | 30.00 |
| 4-Methyl-2-pentanone | 75.0 | 78.8 | 105 | 75.0 | 77.0 | 103 | 57.0-159 | 2.3 | 30.00 |
| Toluene | 30.0 | 28.1 | 94 | 30.0 | 29.9 | 100 | 83.0-111 | 6.2 | 30.00 |
| Methyl iodide | 30.0 | 31.2 | 104 | 30.0 | 33.2 | 111 | 63.0-137 | 6.2 | 30.00 |
| trans-1,3-Dichloropropene | 30.0 | 31.4 | 105 | 30.0 | 31.7 | 106 | 75.0-134 | 0.95 | 30.00 |
| Carbon disulfide | 30.0 | 28.6 | 95 | 30.0 | 30.0 | 100 | 72.0-116 | 4.8 | 30.00 |
| 1,1,2-Trichloroethane | 30.0 | 30.0 | 100 | 30.0 | 28.6 | 95 | 73.0-121 | 4.8 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10342 [VXX/1947]
Blank Spike Lab ID: 36103
Date Analyzed: 08/19/2011 09:37

Spike Duplicate ID: LCSD-S for HBN 10342 [VXX/1947
Spike Duplicate Lab ID: 36104
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150015

### Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Tetrachloroethene | 30.0 | 28.1 | 94 | 30.0 | 28.5 | 95 | 60.0-118 | 1.4 | 30.00 |
| 1,3-Dichloropropane | 30.0 | 29.7 | 99 | 30.0 | 28.5 | 95 | 76.0-121 | 4.1 | 30.00 |
| 2-Hexanone | 75.0 | 73.1 | 97 | 75.0 | 69.0 | 92 | 41.0-171 | 5.8 | 30.00 |
| Dibromochloromethane | 30.0 | 30.8 | 103 | 30.0 | 28.6 | 95 | 77.0-126 | 7.4 | 30.00 |
| 1,2-Dibromoethane | 30.0 | 30.4 | 101 | 30.0 | 28.7 | 96 | 76.0-125 | 5.8 | 30.00 |
| Chlorobenzene | 30.0 | 28.5 | 95 | 30.0 | 28.3 | 94 | 78.0-109 | 0.70 | 30.00 |
| 1,1,1,2-Tetrachloroethane | 30.0 | 30.0 | 100 | 30.0 | 28.9 | 96 | 81.0-117 | 3.7 | 30.00 |
| Bromoform | 30.0 | 32.1 | 107 | 30.0 | 29.2 | 97 | 72.0-134 | 9.5 | 30.00 |
| Bromobenzene | 30.0 | 28.9 | 96 | 30.0 | 29.2 | 97 | 76.0-113 | 1.0 | 30.00 |
| 1,1,2,2-Tetrachloroethane | 30.0 | 31.2 | 104 | 30.0 | 28.7 | 96 | 76.0-129 | 8.3 | 30.00 |
| 1,2,3-Trichloropropane | 30.0 | 31.0 | 103 | 30.0 | 28.4 | 95 | 70.0-145 | 8.8 | 30.00 |
| Ethyl Benzene | 30.0 | 27.3 | 91 | 30.0 | 28.7 | 96 | 72.0-115 | 5.0 | 30.00 |
| m,p-Xylene | 60.0 | 54.7 | 91 | 60.0 | 56.5 | 94 | 73.0-114 | 3.2 | 30.00 |
| Styrene | 30.0 | 27.4 | 91 | 30.0 | 28.5 | 95 | 74.0-114 | 3.9 | 30.00 |
| o-Xylene | 30.0 | 27.2 | 91 | 30.0 | 27.8 | 93 | 74.0-113 | 2.2 | 30.00 |
| Isopropylbenzene (Cumene) | 30.0 | 27.5 | 92 | 30.0 | 28.8 | 96 | 72.0-115 | 4.6 | 30.00 |
| n-Propylbenzene | 30.0 | 27.7 | 92 | 30.0 | 28.8 | 96 | 71.0-117 | 3.9 | 30.00 |
| 2-Chlorotoluene | 30.0 | 27.2 | 91 | 30.0 | 28.3 | 94 | 76.0-111 | 4.0 | 30.00 |
| 4-Chlorotoluene | 30.0 | 28.3 | 94 | 30.0 | 29.0 | 97 | 75.0-113 | 2.4 | 30.00 |
| 1,3,5-Trimethylbenzene | 30.0 | 27.4 | 91 | 30.0 | 28.6 | 95 | 72.0-115 | 4.3 | 30.00 |
| tert-Butylbenzene | 30.0 | 26.3 | 88 | 30.0 | 28.5 | 95 | 74.0-112 | 8.0 | 30.00 |
| 1,2,4-Trimethylbenzene | 30.0 | 27.5 | 92 | 30.0 | 28.3 | 94 | 73.0-114 | 2.9 | 30.00 |
| sec-Butylbenzene | 30.0 | 27.4 | 91 | 30.0 | 28.8 | 96 | 72.0-115 | 5.0 | 30.00 |
| 1,3-Dichlorobenzene | 30.0 | 27.5 | 92 | 30.0 | 28.2 | 94 | 75.0-110 | 2.5 | 30.00 |
| 4-Isopropyltoluene | 30.0 | 27.5 | 92 | 30.0 | 28.7 | 96 | 73.0-114 | 4.3 | 30.00 |
| 1,4-Dichlorobenzene | 30.0 | 27.8 | 93 | 30.0 | 28.4 | 95 | 76.0-110 | 2.1 | 30.00 |
| 1,2-Dichlorobenzene | 30.0 | 27.9 | 93 | 30.0 | 28.2 | 94 | 77.0-109 | 1.1 | 30.00 |
| n-Butylbenzene | 30.0 | 27.8 | 93 | 30.0 | 29.0 | 97 | 72.0-118 | 4.2 | 30.00 |
| 1,2-Dibromo-3-chloropropane | 180 | 195 | 109 | 180 | 176 | 98 | 54.0-166 | 10 | 30.00 |
| 1,2,4-Trichlorobenzene | 30.0 | 28.4 | 95 | 30.0 | 28.5 | 95 | 76.0-115 | 0.35 | 30.00 |
| Hexachlorobutadiene | 30.0 | 27.2 | 91 | 30.0 | 27.6 | 92 | 70.0-111 | 1.5 | 30.00 |
| Naphthalene | 30.0 | 29.6 | 99 | 30.0 | 28.3 | 94 | 71.0-129 | 4.5 | 30.00 |
| trans-1,4-Dichloro-2-butene | 150 | 161 | 107 | 150 | 152 | 102 | 62.0-164 | 5.8 | 30.00 |
| 1,2,3-Trichlorobenzene | 30.0 | 28.5 | 95 | 30.0 | 28.7 | 96 | 78.0-115 | 0.70 | 30.00 |



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## Blank Spike Summary

Blank Spike ID: LCS-S for HBN 10342 [VXX/1947]
Blank Spike Lab ID: 36103
Date Analyzed: 08/19/2011 09:37

Spike Duplicate ID: LCSD-S for HBN 10342 [VXX/1947
Spike Duplicate Lab ID: 36104
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150015

## Results by **SW-846 8260B**

| | Blank Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| **Surrogates** | | | | | | | | | |
| 1,2-Dichloroethane-d4 | | | 105 | | | 105 | 55.0-173 | | |
| Toluene d8 | | | 101 | | | 104 | 57.0-134 | | |
| 4-Bromofluorobenzene | | | 104 | | | 103 | 23.0-141 | | |

## Batch Information

Analytical Batch: **VMS1472**
Analytical Method: **SW-846 8260B**
Instrument: **MSD4**
Analyst: **DVO**

Prep Batch: **VXX1947**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **08/19/2011 08:09**
Spike Init Wt./Vol.: **5 g** Extract Vol: **5 mL**
Dupe Init Wt./Vol.: **5 g** Extract Vol: **5 mL**



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## Batch Summary

Analytical Method: SW-846 8260B-SPLP

Prep Method: SW-846 5030B
Prep Batch: VXX1948
Prep Date: 08/19/2011 08:32

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| LCS for HBN 10348 [VXX/1948] | 36119 | 08/19/2011 09:47 | VMS1473 | MSD3 | DVO |
| LCSD for HBN 10348 [VXX/1948] | 36120 | 08/19/2011 10:12 | VMS1473 | MSD3 | DVO |
| MB for HBN 10348 [VXX/1948] | 36121 | 08/19/2011 11:01 | VMS1473 | MSD3 | DVO |
| SB01 (1.0-2.0) | 31102150001 | 08/19/2011 12:41 | VMS1473 | MSD3 | DVO |
| SB01 (2.0-3.0) | 31102150002 | 08/19/2011 15:34 | VMS1473 | MSD3 | DVO |
| SB02 (1.0-2.0) | 31102150003 | 08/19/2011 15:59 | VMS1473 | MSD3 | DVO |
| SB02 (2.0-3.0) | 31102150004 | 08/19/2011 16:24 | VMS1473 | MSD3 | DVO |
| SB03 (0.5-1.5) | 31102150005 | 08/19/2011 16:49 | VMS1473 | MSD3 | DVO |
| SB03 (1.5-2.5) | 31102150006 | 08/19/2011 17:14 | VMS1473 | MSD3 | DVO |
| MW-8(35071MS) | 36328 | 08/19/2011 19:42 | VMS1473 | MSD3 | DVO |
| MW-8(35071MSD) | 36329 | 08/19/2011 20:07 | VMS1473 | MSD3 | DVO |



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## Method Blank

Blank ID: MB for HBN 10348 [VXX/1948] Matrix: Water
Blank Lab ID: 36121
QC for Samples:
31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006

## Results by **SW-846 8260B-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Tetrachloroethene | ND | U | 0.155 | 1.00 | ug/L | 1 |
| **Surrogates** | | | | | | |
| 1,2-Dichloroethane-d4 | 100 | | | 64.0-140 | % | 1 |
| Toluene d8 | 102 | | | 82.0-117 | % | 1 |
| 4-Bromofluorobenzene | 102 | | | 85.0-115 | % | 1 |

## Batch Information

Analytical Batch: VMS1473
Analytical Method: SW-846 8260B-SPLP
Instrument: MSD3
Analyst: DVO
Analytical Date/Time: 8/19/2011 11:01:00AM

Prep Batch: VXX1948
Prep Method: SW-846 5030B
Prep Date/Time: 8/19/2011 8:32:04AM
Prep Initial Wt./Vol.: 40 mL
Prep Extract Vol: 40 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 10348 [VXX/1948]
Blank Spike Lab ID: 36119
Date Analyzed: 08/19/2011 09:47

Spike Duplicate ID: LCSD for HBN 10348 [VXX/1948]
Spike Duplicate Lab ID: 36120
Date Analyzed: 08/19/2011 10:12
Matrix: Water

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006

## Results by **SW-846 8260B-SPLP**

| | Blank Spike (ug/L) | | | Spike Duplicate (ug/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Tetrachloroethene | 5.00 | 4.44 | 89 | 5.00 | 4.85 | 97 | 59.0-112 | 8.8 | 30.00 |
| **Surrogates** | | | | | | | | | |
| 1,2-Dichloroethane-d4 | | | 101 | | | 102 | 64.0-140 | | |
| Toluene d8 | | | 101 | | | 103 | 82.0-117 | | |
| 4-Bromofluorobenzene | | | 99 | | | 101 | 85.0-115 | | |

## Batch Information

Analytical Batch: **VMS1473**
Analytical Method: **SW-846 8260B-SPLP**
Instrument: **MSD3**
Analyst: **DVO**

Prep Batch: **VXX1948**
Prep Method: **SW-846 5030B**
Prep Date/Time: **08/19/2011 08:32**
Spike Init Wt./Vol.: **40 mL** Extract Vol: **40 mL**
Dupe Init Wt./Vol.: **40 mL** Extract Vol: **40 mL**



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## Batch Summary

Analytical Method: SW-846 8270D

Prep Method: SW-846 3541
Prep Batch: XXX1663
Prep Date: 08/17/2011 00:00

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 10245 [XXX/1663] | 35714 | 08/19/2011 15:35 | XMS1205 | MSD10 | CMP |
| LCS for HBN 10245 [XXX/1663] | 35715 | 08/19/2011 17:54 | XMS1205 | MSD10 | CMP |
| SB01 (1.0-2.0) | 31102150001 | 08/21/2011 14:02 | XMS1210 | MSD6 | CMP |
| SB01 (2.0-3.0) | 31102150002 | 08/21/2011 14:26 | XMS1210 | MSD6 | CMP |
| SB02 (1.0-2.0) | 31102150003 | 08/21/2011 14:49 | XMS1210 | MSD6 | CMP |
| SB02 (2.0-3.0) | 31102150004 | 08/21/2011 15:12 | XMS1210 | MSD6 | CMP |
| SB03 (0.5-1.5) | 31102150005 | 08/21/2011 15:35 | XMS1210 | MSD6 | CMP |
| SB03 (1.5-2.5) | 31102150006 | 08/21/2011 15:58 | XMS1210 | MSD6 | CMP |
| SB04 (2.0-3.0) | 31102150007 | 08/21/2011 16:22 | XMS1210 | MSD6 | CMP |
| SB05 (2.0-3.0) | 31102150008 | 08/21/2011 16:45 | XMS1210 | MSD6 | CMP |
| SB06 (2.0-3.0) | 31102150009 | 08/21/2011 17:08 | XMS1210 | MSD6 | CMP |
| SB07 (1.0-1.5) | 31102150010 | 08/21/2011 17:31 | XMS1210 | MSD6 | CMP |
| SB08 (2.0-3.0) | 31102150011 | 08/21/2011 17:54 | XMS1210 | MSD6 | CMP |
| SB08 (2.0-3.0)(35368MS) | 35716 | 08/21/2011 18:17 | XMS1210 | MSD6 | CMP |
| SB08 (2.0-3.0)(35368MSD) | 35717 | 08/21/2011 18:40 | XMS1210 | MSD6 | CMP |
| SB09 (2.0-3.0) | 31102150012 | 08/21/2011 19:04 | XMS1210 | MSD6 | CMP |
| SB10 (2.0-3.0) | 31102150013 | 08/21/2011 19:27 | XMS1210 | MSD6 | CMP |
| SB11 (2.0-3.0) | 31102150014 | 08/21/2011 19:50 | XMS1210 | MSD6 | CMP |
| SB11D (2.0-3.0) | 31102150015 | 08/21/2011 20:14 | XMS1210 | MSD6 | CMP |
| SB12 (2.0-3.0) | 31102150016 | 08/21/2011 20:37 | XMS1210 | MSD6 | CMP |
| SB13 (2.0-3.0) | 31102150017 | 08/21/2011 21:00 | XMS1210 | MSD6 | CMP |



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## Method Blank

Blank ID: MB for HBN 10245 [XXX/1663]
Blank Lab ID: 35714
Matrix: Soil-Solid as dry weight

QC for Samples:
31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Phenol | ND | U | 29.2 | 313 | ug/Kg | 1 |
| Bis(2-Chloroethyl)ether | ND | U | 29.2 | 313 | ug/Kg | 1 |
| 2-Chlorophenol | ND | U | 16.6 | 313 | ug/Kg | 1 |
| 1,3-Dichlorobenzene | ND | U | 21.1 | 313 | ug/Kg | 1 |
| 1,4-Dichlorobenzene | ND | U | 22.1 | 313 | ug/Kg | 1 |
| 1,2-Dichlorobenzene | ND | U | 15.6 | 313 | ug/Kg | 1 |
| 2-Methylphenol | ND | U | 17.3 | 313 | ug/Kg | 1 |
| 3 and/or 4-Methylphenol | ND | U | 20.3 | 313 | ug/Kg | 1 |
| Bis(2-Chloroisopropyl)ether | ND | U | 27.3 | 313 | ug/Kg | 1 |
| n-Nitrosodi-n-propylamine | ND | U | 89.6 | 313 | ug/Kg | 1 |
| Hexachloroethane | ND | U | 18.0 | 313 | ug/Kg | 1 |
| Nitrobenzene | ND | U | 18.0 | 313 | ug/Kg | 1 |
| Isophorone | ND | U | 14.2 | 313 | ug/Kg | 1 |
| 2-Nitrophenol | ND | U | 15.0 | 313 | ug/Kg | 1 |
| 2,4-Dimethylphenol | ND | U | 22.9 | 313 | ug/Kg | 1 |
| Bis(2-Chloroethoxy)methane | ND | U | 14.1 | 313 | ug/Kg | 1 |
| 2,4-Dichlorophenol | ND | U | 18.1 | 313 | ug/Kg | 1 |
| 1,2,4-Trichlorobenzene | ND | U | 27.6 | 313 | ug/Kg | 1 |
| Naphthalene | ND | U | 27.0 | 313 | ug/Kg | 1 |
| 4-Chloroaniline | ND | U | 25.0 | 313 | ug/Kg | 1 |
| Hexachlorobutadiene | ND | U | 18.7 | 313 | ug/Kg | 1 |
| 4-Chloro-3-methylphenol | ND | U | 15.6 | 313 | ug/Kg | 1 |
| 2-Methylnaphthalene | ND | U | 25.3 | 313 | ug/Kg | 1 |
| Hexachlorocyclopentadiene | ND | U | 94.7 | 313 | ug/Kg | 1 |
| 2,4,5-Trichlorophenol | ND | U | 20.9 | 313 | ug/Kg | 1 |
| 2,4,6-Trichlorophenol | ND | U | 21.2 | 313 | ug/Kg | 1 |
| 2-Chloronaphthalene | ND | U | 18.4 | 313 | ug/Kg | 1 |
| 2-Nitroaniline | ND | U | 20.6 | 313 | ug/Kg | 1 |
| 3-Nitroaniline | ND | U | 14.1 | 313 | ug/Kg | 1 |
| Dimethyl phthalate | ND | U | 24.0 | 313 | ug/Kg | 1 |
| 2,6-Dinitrotoluene | ND | U | 22.4 | 313 | ug/Kg | 1 |
| Acenaphthene | ND | U | 14.2 | 313 | ug/Kg | 1 |
| 2,4-Dinitrophenol | ND | U | 29.0 | 625 | ug/Kg | 1 |
| 4-Nitrophenol | ND | U | 30.8 | 313 | ug/Kg | 1 |
| Dibenzofuran | ND | U | 24.5 | 313 | ug/Kg | 1 |
| 2,4-Dinitrotoluene | ND | U | 15.8 | 313 | ug/Kg | 1 |
| Fluorene | ND | U | 16.6 | 313 | ug/Kg | 1 |
| Diethyl phthalate | ND | U | 16.9 | 313 | ug/Kg | 1 |
| 4-Chlorophenyl phenyl ether | ND | U | 33.4 | 313 | ug/Kg | 1 |
| 4-Nitroaniline | ND | U | 18.0 | 313 | ug/Kg | 1 |
| 4,6-Dinitro-2-methylphenol | ND | U | 14.7 | 313 | ug/Kg | 1 |



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## Method Blank

Blank ID: MB for HBN 10245 [XXX/1663]
Blank Lab ID: 35714
Matrix: Soil-Solid as dry weight

QC for Samples:
31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Diphenylamine | ND | U | 14.1 | 313 | ug/Kg | 1 |
| 4-Bromophenyl phenyl ether | ND | U | 20.6 | 313 | ug/Kg | 1 |
| Hexachlorobenzene | ND | U | 29.6 | 313 | ug/Kg | 1 |
| Pentachlorophenol | ND | U | 25.0 | 313 | ug/Kg | 1 |
| Phenanthrene | ND | U | 20.6 | 313 | ug/Kg | 1 |
| Anthracene | ND | U | 13.9 | 313 | ug/Kg | 1 |
| Di-n-butyl phthalate | ND | U | 14.8 | 313 | ug/Kg | 1 |
| Fluoranthene | ND | U | 29.4 | 313 | ug/Kg | 1 |
| Pyrene | ND | U | 13.2 | 313 | ug/Kg | 1 |
| Butyl benzyl phthalate | ND | U | 27.2 | 313 | ug/Kg | 1 |
| Benzo(a)anthracene | ND | U | 17.2 | 313 | ug/Kg | 1 |
| 3,3'-Dichlorobenzidine | ND | U | 15.0 | 313 | ug/Kg | 1 |
| Chrysene | ND | U | 36.4 | 313 | ug/Kg | 1 |
| Bis(2-Ethylhexyl)phthalate | ND | U | 15.0 | 313 | ug/Kg | 1 |
| Di-n-octyl phthalate | ND | U | 17.3 | 313 | ug/Kg | 1 |
| Benzo(b)fluoranthene | ND | U | 18.0 | 313 | ug/Kg | 1 |
| Benzo(k)fluoranthene | ND | U | 37.5 | 313 | ug/Kg | 1 |
| Benzo(a)pyrene | ND | U | 17.7 | 313 | ug/Kg | 1 |
| Indeno(1,2,3-cd)pyrene | ND | U | 24.4 | 313 | ug/Kg | 1 |
| Dibenz(a,h)anthracene | ND | U | 14.1 | 313 | ug/Kg | 1 |
| Benzo(g,h,i)perylene | ND | U | 49.8 | 313 | ug/Kg | 1 |
| Benzoic acid | ND | U | 6.94 | 313 | ug/Kg | 1 |
| Acenaphthylene | ND | U | 13.2 | 313 | ug/Kg | 1 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 76.0 | | | 42.0-123 | % | 1 |
| Phenol-d6 | 75.0 | | | 48.0-125 | % | 1 |
| Nitrobenzene-d5 | 79.0 | | | 46.0-117 | % | 1 |
| 2-Fluorobiphenyl | 77.0 | | | 48.0-123 | % | 1 |
| 2,4,6-Tribromophenol | 47.0 | | | 41.0-129 | % | 1 |
| Terphenyl-d14 | 80.0 | | | 44.0-140 | % | 1 |

## Batch Information

Analytical Batch: XMS1205
Analytical Method: SW-846 8270D
Instrument: MSD10
Analyst: CMP
Analytical Date/Time: 8/19/2011 3:35:00PM

Prep Batch: XXX1663
Prep Method: SW-846 3541
Prep Date/Time: 8/17/2011 12:00:00AM
Prep Initial Wt./Vol.: 32 g
Prep Extract Vol: 10 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 10245 [XXX/1663]
Blank Spike Lab ID: 35715
Date Analyzed: 08/19/2011 17:54

Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

Results by **SW-846 8270D**

| | Blank Spike (ug/Kg) | | | |
|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | CL |
| Phenol | 3130 | 2890 | 92 | 67.0-112 |
| Bis(2-Chloroethyl)ether | 3130 | 3010 | 96 | 63.0-116 |
| 2-Chlorophenol | 3130 | 2800 | 90 | 67.0-109 |
| 1,3-Dichlorobenzene | 3130 | 2800 | 89 | 66.0-109 |
| 1,4-Dichlorobenzene | 3130 | 2820 | 90 | 65.0-112 |
| 1,2-Dichlorobenzene | 3130 | 2850 | 91 | 67.0-110 |
| 2-Methylphenol | 3130 | 2870 | 92 | 68.0-110 |
| 3 and/or 4-Methylphenol | 6250 | 6090 | 97 | 66.0-113 |
| Bis(2-Chloroisopropyl)ether | 3130 | 3090 | 99 | 64.0-114 |
| n-Nitrosodi-n-propylamine | 3130 | 3060 | 98 | 66.0-111 |
| Hexachloroethane | 3130 | 2820 | 90 | 64.0-110 |
| Nitrobenzene | 3130 | 2880 | 92 | 69.0-112 |
| Isophorone | 3130 | 3000 | 96 | 69.0-108 |
| 2-Nitrophenol | 3130 | 2730 | 87 | 65.0-117 |
| 2,4-Dimethylphenol | 3130 | 2940 | 94 | 69.0-112 |
| Bis(2-Chloroethoxy)methane | 3130 | 2660 | 85 | 68.0-112 |
| Benzoic acid | 3130 | 3890 | 125 | 0.00-203 |
| 2,4-Dichlorophenol | 3130 | 2700 | 86 | 67.0-118 |
| 1,2,4-Trichlorobenzene | 3130 | 2800 | 90 | 65.0-114 |
| Naphthalene | 3130 | 2800 | 90 | 70.0-111 |
| 4-Chloroaniline | 3130 | 2570 | 82 | 41.0-93.0 |
| Hexachlorobutadiene | 3130 | 2680 | 86 | 63.0-124 |
| 4-Chloro-3-methylphenol | 3130 | 2690 | 86 | 70.0-114 |
| 2-Methylnaphthalene | 3130 | 2610 | 84 | 69.0-110 |
| Hexachlorocyclopentadiene | 3130 | 5840 | 187 | 0.00-1080 |
| 2,4,5-Trichlorophenol | 3130 | 2770 | 89 | 66.0-119 |
| 2,4,6-Trichlorophenol | 3130 | 2680 | 86 | 67.0-119 |
| 2-Chloronaphthalene | 3130 | 2450 | 78 | 57.0-96.0 |
| 2-Nitroaniline | 3130 | 2650 | 85 | 61.0-100 |
| 3-Nitroaniline | 3130 | 2610 | 83 | 48.0-103 |
| Dimethyl phthalate | 3130 | 2920 | 93 | 69.0-118 |
| 2,6-Dinitrotoluene | 3130 | 2910 | 93 | 69.0-122 |
| Acenaphthene | 3130 | 2760 | 88 | 68.0-111 |
| 2,4-Dinitrophenol | 3130 | 1850 | 59 | 12.0-125 |



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 10245 [XXX/1663]
Blank Spike Lab ID: 35715
Date Analyzed: 08/19/2011 17:54

Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

Results by **SW-846 8270D**

| | Blank Spike (ug/Kg) | | | |
|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | CL |
| 4-Nitrophenol | 3130 | 2930 | 94 | 45.0-120 |
| Dibenzofuran | 3130 | 2880 | 92 | 71.0-114 |
| 2,4-Dinitrotoluene | 3130 | 2990 | 96 | 68.0-123 |
| Fluorene | 3130 | 2860 | 91 | 66.0-116 |
| Diethyl phthalate | 3130 | 2830 | 90 | 68.0-114 |
| 4-Chlorophenyl phenyl ether | 3130 | 2820 | 90 | 66.0-120 |
| 4-Nitroaniline | 3130 | 2840 | 91 | 66.0-114 |
| 4,6-Dinitro-2-methylphenol | 3130 | 2000 | 64 | 24.0-123 |
| Diphenylamine | 3130 | 2600 | 83 | 60.0-118 |
| 4-Bromophenyl phenyl ether | 3130 | 2570 | 82 | 63.0-118 |
| Hexachlorobenzene | 3130 | 2480 | 79 | 62.0-112 |
| Pentachlorophenol | 3130 | 2610 | 83 | 34.0-125 |
| Phenanthrene | 3130 | 2640 | 84 | 60.0-122 |
| Anthracene | 3130 | 2590 | 83 | 63.0-113 |
| Di-n-butyl phthalate | 3130 | 2820 | 90 | 64.0-121 |
| Fluoranthene | 3130 | 2670 | 85 | 64.0-118 |
| Pyrene | 3130 | 2820 | 90 | 67.0-116 |
| Butyl benzyl phthalate | 3130 | 2940 | 94 | 68.0-118 |
| Benzo(a)anthracene | 3130 | 2760 | 88 | 65.0-118 |
| 3,3'-Dichlorobenzidine | 3130 | 2930 | 94 | 54.0-118 |
| Chrysene | 3130 | 2720 | 87 | 66.0-118 |
| Bis(2-Ethylhexyl)phthalate | 3130 | 2820 | 90 | 67.0-123 |
| Di-n-octyl phthalate | 3130 | 2970 | 95 | 62.0-131 |
| Benzo(b)fluoranthene | 3130 | 2880 | 92 | 63.0-119 |
| Benzo(k)fluoranthene | 3130 | 3130 | 100 | 69.0-118 |
| Benzo(a)pyrene | 3130 | 2940 | 94 | 69.0-113 |
| Indeno(1,2,3-cd)pyrene | 3130 | 3160 | 101 | 64.0-123 |
| Dibenz(a,h)anthracene | 3130 | 3190 | 102 | 64.0-123 |
| Benzo(g,h,i)perylene | 3130 | 3250 | 104 | 57.0-128 |
| Acenaphthylene | 3130 | 2930 | 94 | 72.0-115 |
| **Surrogates** | | | | |
| 2-Fluorophenol | | | 91 | 42.0-123 |
| Phenol-d6 | | | 90 | 48.0-125 |



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 10245 [XXX/1663]
Blank Spike Lab ID: 35715
Date Analyzed: 08/19/2011 17:54

Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

## Results by **SW-846 8270D**

| Parameter | Spike | Result | Blank Spike (%) Rec (%) | CL |
|---|---|---|---|---|
| Nitrobenzene-d5 | | | 92 | 46.0-117 |
| 2-Fluorobiphenyl | | | 81 | 48.0-123 |
| 2,4,6-Tribromophenol | | | 71 | 41.0-129 |
| Terphenyl-d14 | | | 88 | 44.0-140 |

## Batch Information

Analytical Batch: **XMS1205**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
Spike Init Wt./Vol.: **32 g** Extract Vol: **10 mL**
Dupe Init Wt./Vol.: Extract Vol:



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## Matrix Spike Summary

Original Sample ID: 31102150011 (SB08 (2.0-3.0)) — Analysis Date: 08/21/2011 17:54
MS Sample ID: 35716 — Analysis Date: 08/21/2011 18:17
MSD Sample ID: 35717 — Analysis Date: 08/21/2011 18:40
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

Results by **SW-846 8270D**

| | | Matrix Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| 1,2,4-Trichlorobenzene | ND | 3330 | 2530 | 76 | 3340 | 2890 | 86 | 68.9-119 | 13 | 30.00 |
| 1,2-Dichlorobenzene | ND | 3330 | 2540 | 76 | 3340 | 2770 | 83 | 73.3-121 | 8.5 | 30.00 |
| 1,3-Dichlorobenzene | ND | 3330 | 2550 | 77 | 3340 | 2790 | 84 | 69.7-119 | 9.3 | 30.00 |
| 1,4-Dichlorobenzene | ND | 3330 | 2540 | 76 | 3340 | 2800 | 84 | 70.6-117 | 9.7 | 30.00 |
| 2,4,5-Trichlorophenol | ND | 3330 | 2540 | 76 | 3340 | 2840 | 85 | 72.4-118 | 11 | 30.00 |
| 2,4,6-Trichlorophenol | ND | 3330 | 2350 | 71 | 3340 | 2660 | 80 | 67.9-116 | 12 | 30.00 |
| 2,4-Dichlorophenol | ND | 3330 | 2450 | 73 * | 3340 | 2810 | 84 | 74.5-115 | 14 | 30.00 |
| 2,4-Dinitrophenol | ND | 3330 | ND | 0 * | 3340 | ND | .8 * | 20.4-130 | 200* | 30.00 |
| 2,4-Dinitrotoluene | ND | 3330 | 1470 | 44 * | 3340 | 1830 | 55 * | 67.6-136 | 21 | 30.00 |
| 2,6-Dinitrotoluene | ND | 3330 | 1710 | 51 * | 3340 | 2050 | 61 * | 69.3-131 | 18 | 30.00 |
| 2-Chloronaphthalene | ND | 3330 | 2310 | 69 * | 3340 | 2610 | 78 | 70.3-124 | 12 | 30.00 |
| 2-Chlorophenol | ND | 3330 | 2530 | 76 * | 3340 | 2750 | 82 | 77.1-111 | 8.6 | 30.00 |
| 2-Methylnaphthalene | 29.7 | 3330 | 2460 | 74 * | 3340 | 2850 | 85 | 74.1-111 | 15 | 30.00 |
| 2-Methylphenol | ND | 3330 | 2440 | 73 * | 3340 | 2670 | 80 | 78.7-116 | 8.8 | 30.00 |
| 2-Nitroaniline | ND | 3330 | 1890 | 57 * | 3340 | 2230 | 67 * | 70.0-129 | 17 | 30.00 |
| 2-Nitrophenol | ND | 3330 | 726 | 22 * | 3340 | 874 | 26 * | 63.3-112 | 19 | 30.00 |
| 3 and/or 4-Methylphenol | ND | 6660 | 5270 | 79 | 6681 | 5630 | 84 | 71.2-101 | 6.5 | 30.00 |
| 3,3'-Dichlorobenzidine | ND | 3330 | 2360 | 71 | 3340 | 2580 | 77 | 14.2-302 | 8.7 | 30.00 |
| 3-Nitroaniline | ND | 3330 | 2950 | 88 | 3340 | 3270 | 98 | 76.6-356 | 10 | 30.00 |
| 4,6-Dinitro-2-methylphenol | ND | 3330 | ND | 0 * | 3340 | ND | 0 * | 39.4-126 | 0.0 | 30.00 |
| 4-Chloro-3-methylphenol | ND | 3330 | 2510 | 75 * | 3340 | 2840 | 85 | 80.0-115 | 12 | 30.00 |
| 4-Chloroaniline | ND | 3330 | 2390 | 72 | 3340 | 2740 | 82 | 25.1-237 | 13 | 30.00 |
| 4-Chlorophenyl phenyl ether | ND | 3330 | 2540 | 76 | 3340 | 2840 | 85 | 72.8-125 | 11 | 30.00 |
| Acenaphthene | 29.7 | 3330 | 2470 | 74 | 3340 | 2770 | 83 | 71.0-125 | 11 | 30.00 |
| Acenaphthylene | 162 | 3330 | 2650 | 79 | 3340 | 3020 | 90 | 73.0-140 | 13 | 30.00 |
| Anthracene | 126 | 3330 | 2330 | 70 | 3340 | 2580 | 77 | 66.9-119 | 10 | 30.00 |
| Benzo(a)anthracene | 968 | 3330 | 2570 | 48 * | 3340 | 2920 | 58 | 51.8-127 | 13 | 30.00 |
| Benzo(a)pyrene | 839 | 3330 | 2660 | 55 * | 3340 | 3000 | 65 * | 78.5-137 | 12 | 30.00 |
| Benzo(b)fluoranthene | 1250 | 3330 | 2890 | 49 * | 3340 | 3350 | 63 | 62.3-134 | 15 | 30.00 |
| Benzo(g,h,i)perylene | 373 | 3330 | 1950 | 47 * | 3340 | 2240 | 56 * | 56.2-149 | 13 | 30.00 |
| Benzo(k)fluoranthene | 429 | 3330 | 3020 | 78 * | 3340 | 3360 | 88 | 79.7-133 | 11 | 30.00 |
| Benzoic acid | ND | 3330 | 117 | 3.5 | 3340 | 180 | 5.4 | 1.00-140 | 43* | 30.00 |
| Bis(2-Chloroethoxy)methane | ND | 3330 | 2400 | 72 | 3340 | 2750 | 82 | 71.4-123 | 13 | 30.00 |
| Bis(2-Chloroethyl)ether | ND | 3330 | 2780 | 83 | 3340 | 2950 | 88 | 64.0-120 | 5.6 | 30.00 |
| Bis(2-Chloroisopropyl)ether | ND | 3330 | 2580 | 77 | 3340 | 2820 | 85 | 60.5-123 | 9.1 | 30.00 |
| Bis(2-Ethylhexyl)phthalate | ND | 3330 | 2810 | 84 | 3340 | 3120 | 93 | 68.5-134 | 11 | 30.00 |
| 4-Bromophenyl phenyl ether | ND | 3330 | 2180 | 65 * | 3340 | 2520 | 75 | 65.2-127 | 14 | 30.00 |
| Butyl benzyl phthalate | ND | 3330 | 2910 | 87 | 3340 | 3310 | 99 | 64.4-133 | 13 | 30.00 |



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## Matrix Spike Summary

Original Sample ID: 31102150011 (SB08 (2.0-3.0)) — Analysis Date: 08/21/2011 17:54
MS Sample ID: 35716 — Analysis Date: 08/21/2011 18:17
MSD Sample ID: 35717 — Analysis Date: 08/21/2011 18:40
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

Results by **SW-846 8270D**

| | | Matrix Spike (ug/Kg) | | | Spike Duplicate (ug/Kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Chrysene | 1040 | 3330 | 2630 | 48 * | 3340 | 2900 | 56 * | 72.7-124 | 10 | 30.00 |
| Di-n-butyl phthalate | ND | 3330 | 2390 | 72 | 3340 | 2670 | 80 | 67.9-125 | 11 | 30.00 |
| Di-n-octyl phthalate | ND | 3330 | 3630 | 109 | 3340 | 4140 | 124 | 48.9-162 | 13 | 30.00 |
| Dibenz(a,h)anthracene | 116 | 3330 | 2060 | 62 | 3340 | 2420 | 72 | 58.6-146 | 16 | 30.00 |
| Dibenzofuran | ND | 3330 | 2610 | 78 | 3340 | 2960 | 89 | 70.6-115 | 13 | 30.00 |
| Diethyl phthalate | ND | 3330 | 2630 | 79 | 3340 | 2950 | 88 | 70.8-127 | 12 | 30.00 |
| Dimethyl phthalate | ND | 3330 | 2580 | 78 | 3340 | 2950 | 88 | 68.5-122 | 14 | 30.00 |
| 2,4-Dimethylphenol | ND | 3330 | 2430 | 73 * | 3340 | 2740 | 82 * | 85.4-138 | 12 | 30.00 |
| Diphenylamine | ND | 3330 | 2240 | 67 * | 3340 | 2490 | 75 | 73.6-208 | 11 | 30.00 |
| Fluoranthene | 1590 | 3330 | 2430 | 25 * | 3340 | 2780 | 36 * | 64.6-129 | 14 | 30.00 |
| Fluorene | 39.6 | 3330 | 2500 | 75 | 3340 | 2790 | 83 | 72.4-128 | 11 | 30.00 |
| Hexachlorobenzene | ND | 3330 | 2260 | 68 | 3340 | 2500 | 75 | 62.9-124 | 10 | 30.00 |
| Hexachlorobutadiene | ND | 3330 | 2370 | 71 | 3340 | 2670 | 80 | 69.1-118 | 12 | 30.00 |
| Hexachlorocyclopentadiene | ND | 3330 | 4080 | 122 | 3340 | 5040 | 151 | 1.00-176 | 21 | 30.00 |
| Hexachloroethane | ND | 3330 | 2170 | 65 * | 3340 | 2410 | 72 | 68.0-122 | 10 | 30.00 |
| Indeno(1,2,3-cd)pyrene | 367 | 3330 | 2040 | 50 | 3340 | 2390 | 61 | 29.1-157 | 16 | 30.00 |
| Isophorone | ND | 3330 | 2560 | 77 | 3340 | 2980 | 89 | 65.2-143 | 15 | 30.00 |
| Naphthalene | 33.0 | 3330 | 2530 | 76 | 3340 | 2900 | 87 | 49.9-137 | 14 | 30.00 |
| 4-Nitroaniline | ND | 3330 | 2400 | 72 | 3340 | 2730 | 82 | 50.8-178 | 13 | 30.00 |
| Nitrobenzene | ND | 3330 | 2410 | 72 | 3340 | 2770 | 83 | 71.4-122 | 14 | 30.00 |
| 4-Nitrophenol | ND | 3330 | 1310 | 39 * | 3340 | 1480 | 44 * | 56.8-133 | 12 | 30.00 |
| Pentachlorophenol | ND | 3330 | 1230 | 37 | 3340 | 1340 | 40 | 29.2-108 | 8.3 | 30.00 |
| Phenanthrene | 697 | 3330 | 2400 | 51 * | 3340 | 2670 | 59 | 55.8-128 | 11 | 30.00 |
| Phenol | ND | 3330 | 2610 | 78 | 3340 | 2820 | 84 | 71.2-120 | 7.9 | 30.00 |
| Pyrene | 1800 | 3330 | 2890 | 33 * | 3340 | 3280 | 44 * | 68.5-140 | 13 | 30.00 |
| n-Nitrosodi-n-propylamine | ND | 3330 | 2530 | 76 | 3340 | 2760 | 83 | 74.3-133 | 8.5 | 30.00 |
| **Surrogates** | | | | | | | | | | |
| 2,4,6-Tribromophenol | | | | 57 | | | 62 | 41.0-129 | | |
| 2-Fluorobiphenyl | | | | 69 | | | 79 | 48.0-123 | | |
| 2-Fluorophenol | | | | 77 | | | 82 | 42.0-123 | | |
| Nitrobenzene-d5 | | | | 73 | | | 84 | 46.0-117 | | |
| Phenol-d6 | | | | 76 | | | 82 | 48.0-125 | | |
| Terphenyl-d14 | | | | 76 | | | 86 | 44.0-140 | | |

Print Date: 01/06/2012 — N.C. Certification # 481

## Matrix Spike Summary

Original Sample ID: 31102150011 (SB08 (2.0-3.0)) — Analysis Date: 08/21/2011 17:54
MS Sample ID: 35716 — Analysis Date: 08/21/2011 18:17
MSD Sample ID: 35717 — Analysis Date: 08/21/2011 18:40
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

Results by **SW-846 8270D**

| | | Matrix Spike (%) | | | Spike Duplicate (%) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |

## Batch Information

Analytical Batch: **XMS1210**
Analytical Method: **SW-846 8270D**
Instrument: **MSD6**
Analyst: **CMP**

Prep Batch: **XXX1663**
Prep Method: **SW-846 3541**
Prep Date/Time: **08/17/2011 00:00**
MS Init Wt./Vol.: **32.24 g** Extract Vol.: **10 mL**
MSD Init Wt./Vol.: **32.18 g** Extract Vol.: **10 mL**



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## Batch Summary

Analytical Method: SW-846 8270D-SPLP

Prep Method: SW-846 3520C
Prep Batch: XXX1675
Prep Date: 08/18/2011 17:15

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 10350 [XXX/1675] | 36124 | 08/20/2011 17:21 | XMS1208 | MSD6 | CMP |
| LCS for HBN 10350 [XXX/1675] | 36125 | 08/20/2011 18:31 | XMS1208 | MSD6 | CMP |
| SB01 (1.0-2.0) | 31102150001 | 08/20/2011 22:24 | XMS1208 | MSD6 | CMP |
| SB01 (2.0-3.0) | 31102150002 | 08/20/2011 22:47 | XMS1208 | MSD6 | CMP |
| SB02 (1.0-2.0) | 31102150003 | 08/20/2011 23:10 | XMS1208 | MSD6 | CMP |
| SB02 (2.0-3.0) | 31102150004 | 08/20/2011 23:34 | XMS1208 | MSD6 | CMP |
| SB03 (0.5-1.5) | 31102150005 | 08/20/2011 23:57 | XMS1208 | MSD6 | CMP |
| SB03 (1.5-2.5) | 31102150006 | 08/21/2011 00:20 | XMS1208 | MSD6 | CMP |
| MB for HBN 10350 [XXX/1675] | 36124 | 08/29/2011 12:40 | XMS1215 | MSD10 | CMP |
| LCS for HBN 10350 [XXX/1675] | 36125 | 08/29/2011 13:03 | XMS1215 | MSD10 | CMP |
| Drum B0503(35427DUP) | 36126 | 08/29/2011 13:50 | XMS1215 | MSD10 | CMP |
| Drum B0574(35428MS) | 36127 | 08/29/2011 14:35 | XMS1215 | MSD10 | CMP |



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## Method Blank

Blank ID: MB for HBN 10350 [XXX/1675] Matrix: Water
Blank Lab ID: 36124
QC for Samples:
31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006

Results by **SW-846 8270D-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Naphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 |
| Naphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 |
| 2-Methylnaphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 |
| 2-Methylnaphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 |
| 1-Methylnaphthalene | ND | U | 1.93 | 5.00 | ug/L | 1 |
| 1-Methylnaphthalene | ND | U | 1.93 | 5.00 | ug/L | 1 |
| Acenaphthene | ND | U | 2.06 | 5.00 | ug/L | 1 |
| Acenaphthene | ND | U | 2.06 | 5.00 | ug/L | 1 |
| Fluorene | ND | U | 2.44 | 5.00 | ug/L | 1 |
| Fluorene | ND | U | 2.44 | 5.00 | ug/L | 1 |
| Phenanthrene | ND | U | 1.99 | 5.00 | ug/L | 1 |
| Phenanthrene | ND | U | 1.99 | 5.00 | ug/L | 1 |
| Anthracene | ND | U | 1.93 | 5.00 | ug/L | 1 |
| Anthracene | ND | U | 1.93 | 5.00 | ug/L | 1 |
| Fluoranthene | ND | U | 2.02 | 5.00 | ug/L | 1 |
| Fluoranthene | ND | U | 2.02 | 5.00 | ug/L | 1 |
| Pyrene | ND | U | 2.01 | 5.00 | ug/L | 1 |
| Pyrene | ND | U | 2.01 | 5.00 | ug/L | 1 |
| Benzo(a)anthracene | ND | U | 1.96 | 5.00 | ug/L | 1 |
| Benzo(a)anthracene | ND | U | 1.96 | 5.00 | ug/L | 1 |
| Chrysene | ND | U | 2.20 | 5.00 | ug/L | 1 |
| Chrysene | ND | U | 2.20 | 5.00 | ug/L | 1 |
| Benzo(b)fluoranthene | ND | U | 1.96 | 5.00 | ug/L | 1 |
| Benzo(b)fluoranthene | ND | U | 1.96 | 5.00 | ug/L | 1 |
| Benzo(k)fluoranthene | ND | U | 2.31 | 5.00 | ug/L | 1 |
| Benzo(k)fluoranthene | ND | U | 2.31 | 5.00 | ug/L | 1 |
| Benzo(a)pyrene | ND | U | 1.86 | 5.00 | ug/L | 1 |
| Benzo(a)pyrene | ND | U | 1.86 | 5.00 | ug/L | 1 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.02 | 5.00 | ug/L | 1 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.02 | 5.00 | ug/L | 1 |
| Dibenz(a,h)anthracene | ND | U | 2.02 | 5.00 | ug/L | 1 |
| Dibenz(a,h)anthracene | ND | U | 2.02 | 5.00 | ug/L | 1 |
| Benzo(g,h,i)perylene | ND | U | 2.15 | 5.00 | ug/L | 1 |
| Benzo(g,h,i)perylene | ND | U | 2.15 | 5.00 | ug/L | 1 |
| Acenaphthylene | ND | U | 2.00 | 5.00 | ug/L | 1 |
| Acenaphthylene | ND | U | 2.00 | 5.00 | ug/L | 1 |
| **Surrogates** | | | | | | |
| 2-Fluorophenol | 93.8 | | | 33.1-118 | % | 1 |
| 2-Fluorophenol | 94.5 | | | 33.1-118 | % | 1 |
| Phenol-d6 | 96.0 | | | 49.0-120 | % | 1 |
| Phenol-d6 | 99.5 | | | 49.0-120 | % | 1 |



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## Method Blank

Blank ID: MB for HBN 10350 [XXX/1675] Matrix: Water
Blank Lab ID: 36124
QC for Samples:
31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006

## Results by **SW-846 8270D-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Nitrobenzene-d5 | 103 | | | 46.0-118 | % | 1 |
| Nitrobenzene-d5 | 107 | | | 46.0-118 | % | 1 |
| 2-Fluorobiphenyl | 89.1 | | | 50.0-107 | % | 1 |
| 2-Fluorobiphenyl | 98.5 | | | 50.0-107 | % | 1 |
| 2,4,6-Tribromophenol | 91.5 | | | 29.3-152 | % | 1 |
| 2,4,6-Tribromophenol | 93.5 | | | 29.3-152 | % | 1 |
| Terphenyl-d14 | 95.7 | | | 22.1-142 | % | 1 |
| Terphenyl-d14 | 104 | | | 22.1-142 | % | 1 |

## Batch Information

Analytical Batch: XMS1208
Analytical Method: SW-846 8270D-SPLP
Instrument: MSD6
Analyst: CMP
Analytical Date/Time: 8/20/2011 5:21:00PM

Prep Batch: XXX1675
Prep Method: SW-846 3520C
Prep Date/Time: 8/18/2011 5:15:00PM
Prep Initial Wt./Vol.: 1000 mL
Prep Extract Vol: 5 mL

Analytical Batch: XMS1215
Analytical Method: SW-846 8270D-SPLP
Instrument: MSD10
Analyst: CMP
Analytical Date/Time: 8/29/2011 12:40:00PM

Prep Batch: XXX1675
Prep Method: SW-846 3520C
Prep Date/Time: 8/18/2011 5:15:00PM
Prep Initial Wt./Vol.: 1000 mL
Prep Extract Vol: 5 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 10350 [XXX/1675]
Blank Spike Lab ID: 36125
Date Analyzed: 08/29/2011 13:03

Matrix: Water

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006

### Results by **SW-846 8270D-SPLP**

| | Blank Spike (ug/L) | | | |
|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | CL |
| Naphthalene | 50.0 | 40.4 | 81 | 52.0-110 |
| Naphthalene | 50.0 | 43.9 | 88 | 52.0-110 |
| 2-Methylnaphthalene | 50.0 | 41.9 | 84 | 55.0-112 |
| 2-Methylnaphthalene | 50.0 | 45.3 | 91 | 55.0-112 |
| Acenaphthene | 50.0 | 43.8 | 88 | 60.0-114 |
| Acenaphthene | 50.0 | 46.2 | 92 | 60.0-114 |
| Fluorene | 50.0 | 39.4 | 79 | 52.0-120 |
| Fluorene | 50.0 | 47.2 | 94 | 52.0-120 |
| Phenanthrene | 50.0 | 43.4 | 87 | 53.0-115 |
| Phenanthrene | 50.0 | 44.9 | 90 | 53.0-115 |
| Anthracene | 50.0 | 41.6 | 83 | 50.0-113 |
| Anthracene | 50.0 | 44.6 | 89 | 50.0-113 |
| Fluoranthene | 50.0 | 43.6 | 87 | 54.0-119 |
| Fluoranthene | 50.0 | 47.0 | 94 | 54.0-119 |
| Pyrene | 50.0 | 45.5 | 91 | 60.0-120 |
| Pyrene | 50.0 | 48.5 | 97 | 60.0-120 |
| Benzo(a)anthracene | 50.0 | 45.2 | 90 | 57.0-119 |
| Benzo(a)anthracene | 50.0 | 48.3 | 97 | 57.0-119 |
| Chrysene | 50.0 | 44.1 | 88 | 59.0-117 |
| Chrysene | 50.0 | 47.3 | 95 | 59.0-117 |
| Benzo(b)fluoranthene | 50.0 | 46.4 | 93 | 59.0-120 |
| Benzo(b)fluoranthene | 50.0 | 49.4 | 99 | 59.0-120 |
| Benzo(k)fluoranthene | 50.0 | 44.2 | 88 | 62.0-124 |
| Benzo(k)fluoranthene | 50.0 | 50.9 | 102 | 62.0-124 |
| Benzo(a)pyrene | 50.0 | 45.1 | 90 | 54.0-123 |
| Benzo(a)pyrene | 50.0 | 47.3 | 95 | 54.0-123 |
| Indeno(1,2,3-cd)pyrene | 50.0 | 48.3 | 97 | 59.0-127 |
| Indeno(1,2,3-cd)pyrene | 50.0 | 50.2 | 100 | 59.0-127 |
| Dibenz(a,h)anthracene | 50.0 | 48.3 | 97 | 59.0-129 |
| Dibenz(a,h)anthracene | 50.0 | 50.1 | 100 | 59.0-129 |
| Benzo(g,h,i)perylene | 50.0 | 49.7 | 99 | 60.0-126 |
| Benzo(g,h,i)perylene | 50.0 | 50.1 | 100 | 60.0-126 |
| Acenaphthylene | 50.0 | 44.4 | 89 | 58.0-117 |
| Acenaphthylene | 50.0 | 46.9 | 94 | 58.0-117 |



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 10350 [XXX/1675]
Blank Spike Lab ID: 36125
Date Analyzed: 08/20/2011 18:31

Matrix: Water

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006

## Results by **SW-846 8270D-SPLP**

| Parameter | Spike | Blank Spike (ug/L) Result | Rec (%) | CL |
|---|---|---|---|---|
| **Surrogates** | | | | |
| 2-Fluorophenol | | | 91.5 | 33.1-118 |
| 2-Fluorophenol | | | 94.9 | 33.1-118 |
| Phenol-d6 | | | 94 | 49.0-120 |
| Phenol-d6 | | | 100 | 49.0-120 |
| Nitrobenzene-d5 | | | 98 | 46.0-118 |
| Nitrobenzene-d5 | | | 106 | 46.0-118 |
| 2-Fluorobiphenyl | | | 87.7 | 50.0-107 |
| 2-Fluorobiphenyl | | | 92.3 | 50.0-107 |
| 2,4,6-Tribromophenol | | | 98.7 | 29.3-152 |
| 2,4,6-Tribromophenol | | | 103 | 29.3-152 |
| Terphenyl-d14 | | | 99.7 | 22.1-142 |
| Terphenyl-d14 | | | 106 | 22.1-142 |

## Batch Information

Analytical Batch: **XMS1208**
Analytical Method: **SW-846 8270D-SPLP**
Instrument: **MSD6**
Analyst: **CMP**

Prep Batch: **XXX1675**
Prep Method: **SW-846 3520C**
Prep Date/Time: **08/18/2011 17:15**
Spike Init Wt./Vol.: **1000 mL** Extract Vol: **5 mL**
Dupe Init Wt./Vol.: Extract Vol:

Analytical Batch: **XMS1215**
Analytical Method: **SW-846 8270D-SPLP**
Instrument: **MSD10**
Analyst: **CMP**

Prep Batch: **XXX1675**
Prep Method: **SW-846 3520C**
Prep Date/Time: **08/18/2011 17:15**
Spike Init Wt./Vol.: **1000 mL** Extract Vol: **5 mL**
Dupe Init Wt./Vol.: Extract Vol:



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## Batch Summary

Analytical Method: SW-846 6010C

Prep Method: SW-846 3050B
Prep Batch: MXX1436
Prep Date: 08/16/2011 10:00

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 10230 [MXX/1436] | 35573 | 08/16/2011 14:45 | MIP1199 | ICP1 | PSW |
| LCS for HBN 10230 [MXX/1436] | 35574 | 08/16/2011 14:51 | MIP1199 | ICP1 | PSW |
| LCSD for HBN 10230 [MXX/1436] | 35575 | 08/16/2011 14:58 | MIP1199 | ICP1 | PSW |
| SB01 (1.0-2.0) | 31102150001 | 08/16/2011 15:05 | MIP1199 | ICP1 | PSW |
| SB01 (1.0-2.0)(35267MS) | 35577 | 08/16/2011 15:12 | MIP1199 | ICP1 | PSW |
| SB01 (1.0-2.0)(35267MSD) | 35578 | 08/16/2011 15:19 | MIP1199 | ICP1 | PSW |
| SB01 (2.0-3.0) | 31102150002 | 08/16/2011 15:25 | MIP1199 | ICP1 | PSW |
| SB02 (1.0-2.0) | 31102150003 | 08/16/2011 15:32 | MIP1199 | ICP1 | PSW |
| SB02 (2.0-3.0) | 31102150004 | 08/16/2011 15:39 | MIP1199 | ICP1 | PSW |
| SB03 (0.5-1.5) | 31102150005 | 08/16/2011 15:46 | MIP1199 | ICP1 | PSW |
| SB03 (1.5-2.5) | 31102150006 | 08/16/2011 16:06 | MIP1199 | ICP1 | PSW |
| SB04 (2.0-3.0) | 31102150007 | 08/16/2011 16:13 | MIP1199 | ICP1 | PSW |
| SB05 (2.0-3.0) | 31102150008 | 08/16/2011 16:20 | MIP1199 | ICP1 | PSW |
| SB06 (2.0-3.0) | 31102150009 | 08/16/2011 16:26 | MIP1199 | ICP1 | PSW |
| SB07 (1.0-1.5) | 31102150010 | 08/16/2011 16:33 | MIP1199 | ICP1 | PSW |
| SB08 (2.0-3.0) | 31102150011 | 08/16/2011 16:40 | MIP1199 | ICP1 | PSW |
| SB09 (2.0-3.0) | 31102150012 | 08/16/2011 16:47 | MIP1199 | ICP1 | PSW |
| SB10 (2.0-3.0) | 31102150013 | 08/16/2011 16:54 | MIP1199 | ICP1 | PSW |
| SB11 (2.0-3.0) | 31102150014 | 08/16/2011 17:00 | MIP1199 | ICP1 | PSW |
| SB11D (2.0-3.0) | 31102150015 | 08/16/2011 17:07 | MIP1199 | ICP1 | PSW |
| SB12 (2.0-3.0) | 31102150016 | 08/16/2011 17:27 | MIP1199 | ICP1 | PSW |
| SB13 (2.0-3.0) | 31102150017 | 08/16/2011 17:34 | MIP1199 | ICP1 | PSW |
| #620(33572DUP) | 35576 | 08/16/2011 17:48 | MIP1199 | ICP1 | PSW |
| SB01 (1.0-2.0) | 31102150001 | 08/17/2011 10:52 | MIP1200 | ICP1 | PSW |
| SB01 (1.0-2.0)(35267MS) | 35577 | 08/17/2011 10:59 | MIP1200 | ICP1 | PSW |
| SB01 (1.0-2.0)(35267MSD) | 35578 | 08/17/2011 11:06 | MIP1200 | ICP1 | PSW |
| SB01 (2.0-3.0) | 31102150002 | 08/17/2011 11:13 | MIP1200 | ICP1 | PSW |
| SB02 (1.0-2.0) | 31102150003 | 08/17/2011 11:19 | MIP1200 | ICP1 | PSW |
| SB02 (2.0-3.0) | 31102150004 | 08/17/2011 11:26 | MIP1200 | ICP1 | PSW |
| SB04 (2.0-3.0) | 31102150007 | 08/17/2011 11:33 | MIP1200 | ICP1 | PSW |
| SB05 (2.0-3.0) | 31102150008 | 08/17/2011 11:40 | MIP1200 | ICP1 | PSW |
| SB07 (1.0-1.5) | 31102150010 | 08/17/2011 11:46 | MIP1200 | ICP1 | PSW |
| SB09 (2.0-3.0) | 31102150012 | 08/17/2011 11:53 | MIP1200 | ICP1 | PSW |
| SB10 (2.0-3.0) | 31102150013 | 08/17/2011 12:14 | MIP1200 | ICP1 | PSW |
| SB11 (2.0-3.0) | 31102150014 | 08/17/2011 12:20 | MIP1200 | ICP1 | PSW |
| SB11D (2.0-3.0) | 31102150015 | 08/17/2011 12:27 | MIP1200 | ICP1 | PSW |
| #620(33572DUP) | 35576 | 08/17/2011 12:41 | MIP1200 | ICP1 | PSW |



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## Method Blank

Blank ID: MB for HBN 10230 [MXX/1436]
Blank Lab ID: 35573
Matrix: Soil-Solid as dry weight

QC for Samples:

31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Arsenic | ND | U | 0.365 | 1.00 | mg/kg | 1 |
| Selenium | ND | U | 0.388 | 2.00 | mg/kg | 1 |
| Antimony | ND | U | 0.500 | 4.00 | mg/kg | 1 |
| Zinc | ND | U | 1.12 | 2.00 | mg/kg | 1 |
| Lead | ND | U | 0.797 | 1.00 | mg/kg | 1 |
| Nickel | ND | U | 0.385 | 1.00 | mg/kg | 1 |
| Manganese | ND | U | 0.381 | 1.00 | mg/kg | 1 |
| Chromium | ND | U | 0.240 | 1.00 | mg/kg | 1 |
| Copper | **0.111** | J | 0.0809 | 1.00 | mg/kg | 1 |
| Silver | ND | U | 0.112 | 1.00 | mg/kg | 1 |

## Batch Information

Analytical Batch: MIP1199
Analytical Method: SW-846 6010C
Instrument: ICP1
Analyst: PSW
Analytical Date/Time: 8/16/2011 2:45:08PM

Prep Batch: MXX1436
Prep Method: SW-846 3050B
Prep Date/Time: 8/16/2011 10:00:43AM
Prep Initial Wt./Vol.: .5 g
Prep Extract Vol: 50 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 10230 [MXX/1436]
Blank Spike Lab ID: 35574
Date Analyzed: 08/16/2011 14:51

Spike Duplicate ID: LCSD for HBN 10230 [MXX/1436]
Spike Duplicate Lab ID: 35575
Date Analyzed: 08/16/2011 14:58
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

## Results by **SW-846 6010C**

| | Blank Spike (mg/kg) | | | Spike Duplicate (mg/kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Arsenic | 36.4 | 36.7 | 101 | 37.7 | 38.3 | 102 | 80.0-120 | 4.3 | |
| Selenium | 36.4 | 32.7 | 90 | 37.7 | 33.7 | 89 | 80.0-120 | 3.0 | |
| Antimony | 36.4 | 36.5 | 100 | 37.7 | 37.3 | 99 | 80.0-120 | 2.2 | |
| Zinc | 36.4 | 33.2 | 91 | 37.7 | 34.4 | 91 | 80.0-120 | 3.6 | |
| Lead | 36.4 | 34.3 | 94 | 37.7 | 35.1 | 93 | 80.0-120 | 2.3 | |
| Nickel | 36.4 | 35.2 | 97 | 37.7 | 36.6 | 97 | 80.0-120 | 3.9 | |
| Manganese | 36.4 | 34.8 | 96 | 37.7 | 35.9 | 95 | 80.0-120 | 3.1 | |
| Chromium | 36.4 | 34.6 | 95 | 37.7 | 35.8 | 95 | 80.0-120 | 3.4 | |
| Copper | 36.4 | 34.8 | 96 | 37.7 | 36.1 | 96 | 80.0-120 | 3.7 | |
| Silver | 36.4 | 34.7 | 95 | 37.7 | 36.2 | 96 | 80.0-120 | 4.2 | |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Spike Init Wt./Vol.: **.55 g** Extract Vol: **50 mL**
Dupe Init Wt./Vol.: **.53 g** Extract Vol: **50 mL**



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## Matrix Spike Summary

Original Sample ID: 31102150001 (SB01 (1.0-2.0)) — Analysis Date: 08/16/2011 15:05
MS Sample ID: 35577 — Analysis Date: 08/16/2011 15:12
MSD Sample ID: 35578 — Analysis Date: 08/16/2011 15:19
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

## Results by **SW-846 6010C**

| | | Matrix Spike (mg/kg) | | | Spike Duplicate (mg/kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Antimony | ND | 41.6 | 34.4 | 83 | 40.2 | 32.2 | 80 | 75.0-125 | 6.4 | 20.00 |
| Silver | 0.213 | 41.6 | 39.5 | 95 | 40.2 | 38.0 | 95 | 75.0-125 | 3.7 | 20.00 |
| Arsenic | ND | 41.6 | 43.1 | 104 | 40.2 | 40.7 | 101 | 75.0-125 | 5.9 | 20.00 |
| Chromium | 2.64 | 41.6 | 42.1 | 95 | 40.2 | 40.1 | 93 | 75.0-125 | 4.9 | 20.00 |
| Copper | 15.9 | 41.6 | 54.1 | 92 | 40.2 | 53.5 | 94 | 75.0-125 | 1.1 | 20.00 |
| Lead | 162 | 41.6 | 215 | 128 * | 40.2 | 190 | 71 * | 75.0-125 | 12 | 20.00 |
| Manganese | 86.7 | 41.6 | 124 | 89 | 40.2 | 112 | 62 * | 75.0-125 | 9.9 | 20.00 |
| Nickel | 1.12 | 41.6 | 40.5 | 95 | 40.2 | 39.2 | 95 | 75.0-125 | 3.0 | 20.00 |
| Selenium | ND | 41.6 | 38.1 | 92 | 40.2 | 35.9 | 89 | 75.0-125 | 6.1 | 20.00 |
| Zinc | 69.2 | 41.6 | 94.2 | 60 * | 40.2 | 97.0 | 69 * | 75.0-125 | 2.9 | 20.00 |

## Batch Information

Analytical Batch: **MIP1199**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
MS Init Wt./Vol.: **.57 g** Extract Vol.: **50 mL**
MSD Init Wt./Vol.: **.59 g** Extract Vol.: **50 mL**

Analytical Batch: **MIP1200**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
MS Init Wt./Vol.: **.57 g** Extract Vol.: **50 mL**
MSD Init Wt./Vol.: **.59 g** Extract Vol.: **50 mL**



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## Batch Summary

Analytical Method: SW-846 7471B

Prep Method: SW-846 7471B PREP
Prep Batch: MXX1433
Prep Date: 08/16/2011 11:00

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 10219 [MXX/1433] | 35520 | 08/16/2011 15:42 | MHG1113 | HG2 | NTM |
| LCS for HBN 10219 [MXX/1433] | 35521 | 08/16/2011 15:44 | MHG1113 | HG2 | NTM |
| LCSD for HBN 10219 [MXX/1433] | 35522 | 08/16/2011 15:46 | MHG1113 | HG2 | NTM |
| SB01 (1.0-2.0) | 31102150001 | 08/16/2011 15:58 | MHG1113 | HG2 | NTM |
| SB01 (2.0-3.0) | 31102150002 | 08/16/2011 16:00 | MHG1113 | HG2 | NTM |
| SB02 (1.0-2.0) | 31102150003 | 08/16/2011 16:02 | MHG1113 | HG2 | NTM |
| SB02 (2.0-3.0) | 31102150004 | 08/16/2011 16:04 | MHG1113 | HG2 | NTM |
| SB03 (0.5-1.5) | 31102150005 | 08/16/2011 16:06 | MHG1113 | HG2 | NTM |
| SB03 (1.5-2.5) | 31102150006 | 08/16/2011 16:08 | MHG1113 | HG2 | NTM |
| SB04 (2.0-3.0) | 31102150007 | 08/16/2011 16:10 | MHG1113 | HG2 | NTM |
| SB05 (2.0-3.0) | 31102150008 | 08/16/2011 16:12 | MHG1113 | HG2 | NTM |
| SB06 (2.0-3.0) | 31102150009 | 08/16/2011 16:19 | MHG1113 | HG2 | NTM |
| SB07 (1.0-1.5) | 31102150010 | 08/16/2011 16:21 | MHG1113 | HG2 | NTM |
| SB08 (2.0-3.0) | 31102150011 | 08/16/2011 16:22 | MHG1113 | HG2 | NTM |
| SB09 (2.0-3.0) | 31102150012 | 08/16/2011 16:24 | MHG1113 | HG2 | NTM |
| SB10 (2.0-3.0) | 31102150013 | 08/16/2011 16:26 | MHG1113 | HG2 | NTM |
| SB11 (2.0-3.0) | 31102150014 | 08/16/2011 16:28 | MHG1113 | HG2 | NTM |
| SB11D (2.0-3.0) | 31102150015 | 08/16/2011 16:31 | MHG1113 | HG2 | NTM |
| SB12 (2.0-3.0) | 31102150016 | 08/16/2011 16:33 | MHG1113 | HG2 | NTM |
| SB13 (2.0-3.0) | 31102150017 | 08/16/2011 16:35 | MHG1113 | HG2 | NTM |
| SB13 (2.0-3.0)(35374DUP) | 35523 | 08/16/2011 16:37 | MHG1113 | HG2 | NTM |



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## Method Blank

Blank ID: MB for HBN 10219 [MXX/1433]
Matrix: Soil-Solid as dry weight
Blank Lab ID: 35520
QC for Samples:
31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Mercury | ND | U | 0.000900 | 0.0200 | mg/kg | 1 |

## Batch Information

Analytical Batch: MHG1113
Analytical Method: SW-846 7471B
Instrument: HG2
Analyst: NTM
Analytical Date/Time: 8/16/2011 3:42:42PM

Prep Batch: MXX1433
Prep Method: SW-846 7471B PREP
Prep Date/Time: 8/16/2011 11:00:35AM
Prep Initial Wt./Vol.: .5 g
Prep Extract Vol: 50 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 10219 [MXX/1433]
Blank Spike Lab ID: 35521
Date Analyzed: 08/16/2011 15:44

Spike Duplicate ID: LCSD for HBN 10219 [MXX/1433]
Spike Duplicate Lab ID: 35522
Date Analyzed: 08/16/2011 15:46
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

Results by **SW-846 7471B**

| | Blank Spike (mg/kg) | | | Spike Duplicate (mg/kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Mercury | 0.500 | 0.543 | 109 | 0.500 | 0.542 | 108 | 80.0-120 | 0.18 | 20.00 |

## Batch Information

Analytical Batch: **MHG1113**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**

Prep Batch: **MXX1433**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **08/16/2011 11:00**
Spike Init Wt./Vol.: **.5 g** Extract Vol: **50 mL**
Dupe Init Wt./Vol.: **.5 g** Extract Vol: **50 mL**



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## Duplicate Sample Summary

Original Sample ID: 31102150017-F
Duplicate Sample ID: 35523

Analysis Date: 08/16/2011 16:35
Analysis Date: 08/16/2011 16:37
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

## Results by **SW-846 7471B**

| PARAMETER | Original (mg/kg) | Duplicate (mg/kg) | RPD (%) | RPD CL |
|---|---|---|---|---|
| Mercury | 0.165 | 0.204 | **22*** | 20.00 |

## Batch Information

Analytical Batch: MHG1113
Analytical Method: SW-846 7471B
Instrument: HG2
Analyst: NTM

Prep Batch: MXX1433
Prep Method: SW-846 7471B PREP
Prep Date/Time: 08/16/2011 11:00



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## Batch Summary

Analytical Method: SW-846 6020A

Prep Method: SW-846 3050B
Prep Batch: MXX1436
Prep Date: 08/16/2011 10:00

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 10230 [MXX/1436] | 35573 | 08/17/2011 13:01 | MMS1077 | ICPMS2 | PSW |
| LCS for HBN 10230 [MXX/1436] | 35574 | 08/17/2011 13:05 | MMS1077 | ICPMS2 | PSW |
| LCSD for HBN 10230 [MXX/1436] | 35575 | 08/17/2011 13:10 | MMS1077 | ICPMS2 | PSW |
| #620(33572DUP) | 35576 | 08/17/2011 16:18 | MMS1078 | ICPMS2 | PSW |
| #620(33572DUP) | 35576 | 08/17/2011 16:23 | MMS1078 | ICPMS2 | PSW |
| #620(33572DUP) | 35576 | 08/17/2011 16:27 | MMS1078 | ICPMS2 | PSW |
| SB01 (1.0-2.0) | 31102150001 | 08/19/2011 11:52 | MMS1079 | ICPMS2 | PSW |
| SB01 (1.0-2.0)(35267MS) | 35577 | 08/19/2011 11:54 | MMS1079 | ICPMS2 | PSW |
| SB01 (1.0-2.0)(35267MSD) | 35578 | 08/19/2011 11:57 | MMS1079 | ICPMS2 | PSW |
| SB01 (2.0-3.0) | 31102150002 | 08/19/2011 12:00 | MMS1079 | ICPMS2 | PSW |
| SB02 (1.0-2.0) | 31102150003 | 08/19/2011 12:03 | MMS1079 | ICPMS2 | PSW |
| SB02 (2.0-3.0) | 31102150004 | 08/19/2011 12:05 | MMS1079 | ICPMS2 | PSW |
| SB03 (0.5-1.5) | 31102150005 | 08/19/2011 12:08 | MMS1079 | ICPMS2 | PSW |
| SB03 (1.5-2.5) | 31102150006 | 08/19/2011 12:17 | MMS1079 | ICPMS2 | PSW |
| SB04 (2.0-3.0) | 31102150007 | 08/19/2011 12:19 | MMS1079 | ICPMS2 | PSW |
| SB05 (2.0-3.0) | 31102150008 | 08/19/2011 12:22 | MMS1079 | ICPMS2 | PSW |
| SB06 (2.0-3.0) | 31102150009 | 08/19/2011 12:25 | MMS1079 | ICPMS2 | PSW |
| SB07 (1.0-1.5) | 31102150010 | 08/19/2011 12:28 | MMS1079 | ICPMS2 | PSW |
| SB08 (2.0-3.0) | 31102150011 | 08/19/2011 12:30 | MMS1079 | ICPMS2 | PSW |
| SB09 (2.0-3.0) | 31102150012 | 08/19/2011 12:33 | MMS1079 | ICPMS2 | PSW |
| SB10 (2.0-3.0) | 31102150013 | 08/19/2011 12:36 | MMS1079 | ICPMS2 | PSW |
| SB11 (2.0-3.0) | 31102150014 | 08/19/2011 12:39 | MMS1079 | ICPMS2 | PSW |
| SB11D (2.0-3.0) | 31102150015 | 08/19/2011 12:41 | MMS1079 | ICPMS2 | PSW |
| SB12 (2.0-3.0) | 31102150016 | 08/19/2011 12:50 | MMS1079 | ICPMS2 | PSW |
| SB13 (2.0-3.0) | 31102150017 | 08/19/2011 12:52 | MMS1079 | ICPMS2 | PSW |



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## Method Blank

Blank ID: MB for HBN 10230 [MXX/1436]
Blank Lab ID: 35573
Matrix: Soil-Solid as dry weight

QC for Samples:

31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Beryllium | **0.00700** | J | 0.00178 | 0.0100 | mg/kg | 1 |
| Cadmium | ND | U | 0.00178 | 0.0100 | mg/kg | 1 |
| Thallium | ND | U | 0.00245 | 0.0100 | mg/kg | 1 |

## Batch Information

Analytical Batch: MMS1077
Analytical Method: SW-846 6020A
Instrument: ICPMS2
Analyst: PSW
Analytical Date/Time: 8/17/2011 1:01:08PM

Prep Batch: MXX1436
Prep Method: SW-846 3050B
Prep Date/Time: 8/16/2011 10:00:43AM
Prep Initial Wt./Vol.: .5 g
Prep Extract Vol: 50 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 10230 [MXX/1436]
Blank Spike Lab ID: 35574
Date Analyzed: 08/17/2011 13:05

Spike Duplicate ID: LCSD for HBN 10230 [MXX/1436]
Spike Duplicate Lab ID: 35575
Date Analyzed: 08/17/2011 13:10
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

## Results by **SW-846 6020A**

| | Blank Spike (mg/kg) | | | Spike Duplicate (mg/kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Beryllium | 36.4 | 40.6 | 112 | 37.7 | 41.9 | 111 | 80.0-120 | 3.2 | 20.00 |
| Cadmium | 36.4 | 40.5 | 111 | 37.7 | 41.0 | 109 | 80.0-120 | 1.2 | 20.00 |
| Thallium | 36.4 | 39.1 | 108 | 37.7 | 40.9 | 109 | 80.0-120 | 4.5 | 20.00 |

## Batch Information

Analytical Batch: **MMS1077**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
Spike Init Wt./Vol.: **.55 g** Extract Vol: **50 mL**
Dupe Init Wt./Vol.: **.53 g** Extract Vol: **50 mL**



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## Matrix Spike Summary

Original Sample ID: 31102150001 (SB01 (1.0-2.0)) — Analysis Date: 08/19/2011 11:52
MS Sample ID: 35577 — Analysis Date: 08/19/2011 11:54
MSD Sample ID: 35578 — Analysis Date: 08/19/2011 11:57
Matrix: Soil-Solid as dry weight

QC for Samples: 31102150001, 31102150002, 31102150003, 31102150004, 31102150005, 31102150006, 31102150007, 31102150008, 31102150009, 31102150010, 31102150011, 31102150012, 31102150013, 31102150014, 31102150015, 31102150016, 31102150017

## Results by **SW-846 6020A**

| | | Matrix Spike (mg/kg) | | | Spike Duplicate (mg/kg) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Beryllium | ND | 41.6 | 40.4 | 97 | 40.2 | 39.9 | 99 | 75.0-125 | 1.5 | 20.00 |
| Cadmium | 0.0439 | 41.6 | 43.3 | 104 | 40.2 | 41.8 | 104 | 75.0-125 | 3.3 | 20.00 |
| Thallium | ND | 41.6 | 41.9 | 101 | 40.2 | 41.1 | 102 | 75.0-125 | 2.0 | 20.00 |

## Batch Information

Analytical Batch: **MMS1079**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**

Prep Batch: **MXX1436**
Prep Method: **SW-846 3050B**
Prep Date/Time: **08/16/2011 10:00**
MS Init Wt./Vol.: **.57 g** Extract Vol.: **50 mL**
MSD Init Wt./Vol.: **.59 g** Extract Vol.: **50 mL**



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CLIENT: CATLIN

CONTACT: Rick Garrett PHONE NO: (910) 452 5861

PROJECT: Coca-Cola Vehicle Maint. Facility SITE/PWSID# :

REPORTS TO: Rick Garrett FAX NO.: (910) 452 7563

INVOICE TO: CATLIN QUOTE #:

P.O. NUMBER: 110812-1

SGS Reference: 31102150

PAGE 1 OF 2

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C= COMP, G= GRAB) | 8260+TICS | 8270+TICS | Total Metals | SPLP 8270 PAH ONLY | SPLP 8260 TCE ONLY | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Preservatives Used | | | | | | | | | | | | | | | |
| | Analysis Required (3) | | | | | | | | | | | | | | | |
| 1 | SB01 (1.0-2.0) | 8-12-11 | 0915 | SOIL | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 2 | SB01 (2.0-3.0) | " | " | " | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 3 | SB02 (1.0-2.0) | 8-11-11 | 1450 | " | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 4 | SB02 (2.0-3.0) | " | " | " | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 5 | SB03 (0.5-1.5) | 8-11-11 | 1330 | " | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 6 | SB03 (1.5-2.5) | " | " | " | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 7 | SB04 (2.0-3.0) | 8-11-11 | 1220 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 8 | SB05 (2.0-3.0) | 8-11-11 | 1315 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 9 | SB06 (2.0-3.0) | 8-11-11 | 1350 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 10 | SB07 (1.0-1.5) | 8-12-11 | 0800 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |

(5)

| Collected/Relinquished By: (1) | Date | Time | Received By: |
|---|---|---|---|
| [signature] | 8/12/11 | 15:25 | [signature] |
| Relinquished By: (2) | Date | Time | Received By: |
| Relinquished By: (3) | Date | Time | Received By: |
| Relinquished By: (4) | Date | Time | Received By: |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 5.5°C.

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☐ STD



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❑ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

# CHAIN OF CUSTODY RECORD
## SGS North America Inc.

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- New York
- North Carolina
- Ohio

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(1)

CLIENT: CATLIN

CONTACT: Rick Garrett PHONE NO: (910) 452-5861

PROJECT: Coca-Cola Vehicle Maint. Facility SITE/PWSID# :

REPORTS TO: Rick Garrett FAX NO.: (910) 452-7563

INVOICE TO: CATLIN QUOTE #:

P.O. NUMBER: 110812-1

SGS Reference: 31102150

PAGE 2 OF 2

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C= COMP, G= GRAB) | 8260 + TICS (3) | 8270 + TICS | Total Metals | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Preservatives Used | | | | | | | | | | | | | | | | |
| 11 | SB08 (2.0-3.0) | 8-12-11 | 0920 | Soil | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 12 | SB09 (2.0-3.0) | 8-11-11 | 1430 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 13 | SB10 (2.0-3.0) | 8-12-11 | 0950 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 14 | SB11 (2.0-3.0) | 8-12-11 | 1010 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 15 | SB11D (2.0-3.0) | 8-12-11 | 1010 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 16 | SB12 (2.0-3.0) | 8-12-11 | 0845 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 17 | SB13 (2.0-3.0) | 8-12-11 | 0820 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 18 | TRIP BLANK | | | | | | ✓ | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

(5)

| Collected/Relinquished By: (1) | Date | Time | Received By: |
|---|---|---|---|
| [signature] | 8/12/11 | 15:25 | [signature] |
| Relinquished By: (2) | Date | Time | Received By: |
| Relinquished By: (3) | Date | Time | Received By: |
| Relinquished By: (4) | Date | Time | Received By: |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 5.5°C

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☐ STD


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White - Retained by Lab
Pink - Retained by Client

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Sample Receipt Checklist (SRC)

Client: Catlin  Work Order No.: 31102150

1. ___ Shipped
   X Hand Delivered

2. X COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. ___ Custody Tape on Container
   X No Custody Tape

4. X Samples Intact
   ___ Samples Broken / Leaking

5. X Chilled on Receipt  Actual Temp.(s) in °C: 5.5°
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ Received Outside of Temperature Specifications

6. X Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   X HCL < 2
   ___ Additional Preservatives verified (see notes)

8. X Received Within Holding Time
   ___ Not Received Within Holding Time

9. X No Discrepancies Noted
   ___ Discrepancies Noted

10. X No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: JJ
Date: 8/12/11



MI_11.5

## Laboratory Report of Analysis

To: Rick Garrett
RICHARD CATLIN & ASSOCIATES
220 Old Dairy Rd.
Wilmington, NC 28405

Report Number: **31103217**

Client Project: **Coca-Cola**

Dear Rick Garrett,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Barbara A. Hager Date
Project Manager
barbara.hager@sgs.com



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## Laboratory Qualifiers

### Report Definitions

| | |
|---|---|
| DL | Method, Instrument, or Estimated Detection Limit per Analytical Method |
| CL | Control Limits for the recovery result of a parameter |
| LOQ | Reporting Limit |
| DF | Dilution Factor |
| RPD | Relative Percent Difference |
| LCS(D) | Laboratory Control Spike (Duplicate) |
| MS(D) | Matrix Spike (Duplicate) |
| MB | Method Blank |

### Qualifier Definitions

| | |
|---|---|
| * | Recovery or RPD outside of control limits |
| B | Analyte was detected in the Lab Method Blank at a level above the LOQ |
| U | Undetected (Reported as ND or < DL) |
| V | Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit |
| A | Amount detected is less than the Lower Method Calibration Limit |
| J | Amount detected is between the Method Detection Limit and the Lower Calibration Limit |
| O | The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high |
| E | Amount detected is greater than the Upper Calibration Limit |
| S | The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s) |
| Q | Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s) |
| I | Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s) |
| DPE | Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s) |
| TIC | Tentatively Identified Compound |
| EMPC | Estimated Maximum possible Concentration due to ion ratio failure |
| ND | Not Detected |
| K | Result is estimated due to ion ratio failure in High Resolution PCB Analysis |
| P | RPD > 40% between results of dual columns |
| D | Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range |

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

| | |
|---|---|
| M1 | Mis-identified peak |
| M2 | Software did not integrate peak |
| M3 | Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one) |
| M4 | Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane) |
| M5 | Other - Explained in case narrative |

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.



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## Sample Summary

| Client Sample ID | Lab Sample ID | Collected | Received | Matrix |
|---|---|---|---|---|
| SB07 (1.0-1.5) | 31103217001 | 08/12/2011 08:00 | 08/12/2011 15:25 | Soil-Solid as dry weight |
| SB11 (2.0-3.0) | 31103217002 | 08/12/2011 10:10 | 08/12/2011 15:25 | Soil-Solid as dry weight |



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## Detectable Results Summary

Client Sample ID: **SB07 (1.0-1.5)**
Lab Sample ID: 31103217001-A

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C -SPLP** | Cadmium | 0.00326 | mg/L | J |
| | Chromium | 0.0261 | mg/L | |
| | Copper | 0.0480 | mg/L | |
| | Lead | 0.373 | mg/L | |
| | Manganese | 0.0172 | mg/L | |
| | Zinc | 0.326 | mg/L | |
| **SW-846 7470A-SPLP** | Mercury | 0.0000652 | mg/L | J |

Client Sample ID: **SB11 (2.0-3.0)**
Lab Sample ID: 31103217002-A

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C -SPLP** | Cadmium | 0.00183 | mg/L | J |
| | Chromium | 0.0177 | mg/L | |
| | Copper | 0.0597 | mg/L | |
| | Lead | 0.296 | mg/L | |
| | Manganese | 0.177 | mg/L | |
| | Zinc | 0.182 | mg/L | |
| **SW-846 7470A-SPLP** | Mercury | 0.000278 | mg/L | |

**Quality Control Samples**

Client Sample ID: **MB for HBN 16129 [MXX/1650]**
Lab Sample ID: 48550

| | Parameter | Result | Units | |
|---|---|---|---|---|
| **SW-846 6010C -SPLP** | Cadmium | 0.00194 | mg/L | J |
| | Copper | 0.00194 | mg/L | J |



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## Results of **SB07 (1.0-1.5)**

Client Sample ID: **SB07 (1.0-1.5)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31103217001-A
Lab Project ID: 31103217

Collection Date: 08/12/2011 08:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 90.00

## Results by **SW-846 6010C -SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.00319 | 0.0400 | mg/L | 1 | 11/18/2011 17:26 |
| Arsenic | ND | U | 0.00369 | 0.0100 | mg/L | 1 | 11/18/2011 17:26 |
| Beryllium | ND | U | 0.00858 | 0.0100 | mg/L | 1 | 11/18/2011 17:26 |
| Cadmium | **0.00326** | J | 0.00140 | 0.00500 | mg/L | 1 | 11/18/2011 17:26 |
| Chromium | **0.0261** | | 0.00147 | 0.0100 | mg/L | 1 | 11/18/2011 17:26 |
| Copper | **0.0480** | | 0.000672 | 0.0100 | mg/L | 1 | 11/18/2011 17:26 |
| Lead | **0.373** | | 0.00541 | 0.0100 | mg/L | 1 | 11/18/2011 17:26 |
| Manganese | **0.0172** | | 0.00152 | 0.0100 | mg/L | 1 | 11/18/2011 17:26 |
| Nickel | ND | U | 0.00306 | 0.0100 | mg/L | 1 | 11/18/2011 17:26 |
| Selenium | ND | U | 0.00268 | 0.0200 | mg/L | 1 | 11/18/2011 17:26 |
| Thallium | ND | U | 0.00857 | 0.0100 | mg/L | 1 | 11/18/2011 17:26 |
| Zinc | **0.326** | | 0.00226 | 0.0200 | mg/L | 1 | 11/18/2011 17:26 |

## Batch Information

Analytical Batch: **MIP1337**
Analytical Method: **SW-846 6010C -SPLP**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **11/18/2011 17:26**

Prep Batch: **MXX1650**
Prep Method: **SW-846 3010A**
Prep Date/Time: **11/17/2011 16:18**
Prep Initial Wt./Vol.: **50 mL**
Prep Extract Vol: **50 mL**



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## Results of **SB07 (1.0-1.5)**

Client Sample ID: **SB07 (1.0-1.5)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31103217001-A
Lab Project ID: 31103217

Collection Date: 08/12/2011 08:00
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 90.00

## Results by **SW-846 7470A-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.0000652** | J | 0.0000190 | 0.000150 | mg/L | 1 | 11/18/2011 11:37 |

## Batch Information

Analytical Batch: **MHG1165**
Analytical Method: **SW-846 7470A-SPLP**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **11/18/2011 11:37**

Prep Batch: **MXX1652**
Prep Method: **SW-846 7470A**
Prep Date/Time: **11/18/2011 08:10**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **57 mL**



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## Results of **SB11 (2.0-3.0)**

Client Sample ID: **SB11 (2.0-3.0)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31103217002-A
Lab Project ID: 31103217

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.50

## Results by **SW-846 6010C -SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | ND | U | 0.00319 | 0.0400 | mg/L | 1 | 11/18/2011 16:54 |
| Arsenic | ND | U | 0.00369 | 0.0100 | mg/L | 1 | 11/18/2011 16:54 |
| Beryllium | ND | U | 0.00858 | 0.0100 | mg/L | 1 | 11/18/2011 16:54 |
| Cadmium | **0.00183** | J | 0.00140 | 0.00500 | mg/L | 1 | 11/18/2011 16:54 |
| Chromium | **0.0177** | | 0.00147 | 0.0100 | mg/L | 1 | 11/18/2011 16:54 |
| Copper | **0.0597** | | 0.000672 | 0.0100 | mg/L | 1 | 11/18/2011 16:54 |
| Lead | **0.296** | | 0.00541 | 0.0100 | mg/L | 1 | 11/18/2011 16:54 |
| Manganese | **0.177** | | 0.00152 | 0.0100 | mg/L | 1 | 11/18/2011 16:54 |
| Nickel | ND | U | 0.00306 | 0.0100 | mg/L | 1 | 11/18/2011 16:54 |
| Selenium | ND | U | 0.00268 | 0.0200 | mg/L | 1 | 11/18/2011 16:54 |
| Thallium | ND | U | 0.00857 | 0.0100 | mg/L | 1 | 11/18/2011 16:54 |
| Zinc | **0.182** | | 0.00226 | 0.0200 | mg/L | 1 | 11/18/2011 16:54 |

## Batch Information

Analytical Batch: **MIP1337**
Analytical Method: **SW-846 6010C -SPLP**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **11/18/2011 16:54**

Prep Batch: **MXX1650**
Prep Method: **SW-846 3010A**
Prep Date/Time: **11/17/2011 16:18**
Prep Initial Wt./Vol.: **50 mL**
Prep Extract Vol: **50 mL**



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## Results of **SB11 (2.0-3.0)**

Client Sample ID: **SB11 (2.0-3.0)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31103217002-A
Lab Project ID: 31103217

Collection Date: 08/12/2011 10:10
Received Date: 08/12/2011 15:25
Matrix: Soil-Solid as dry weight
Solids (%): 91.50

## Results by **SW-846 7470A-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.000278** | | 0.0000190 | 0.000150 | mg/L | 1 | 11/18/2011 11:41 |

## Batch Information

Analytical Batch: **MHG1165**
Analytical Method: **SW-846 7470A-SPLP**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **11/18/2011 11:41**

Prep Batch: **MXX1652**
Prep Method: **SW-846 7470A**
Prep Date/Time: **11/18/2011 08:10**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **57 mL**



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## Batch Summary

Analytical Method: SW-846 6010C -SPLP

Prep Method: SW-846 3010A
Prep Batch: MXX1650
Prep Date: 11/17/2011 16:18

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 16129 [MXX/1650] | 48550 | 11/18/2011 16:35 | MIP1337 | ICP1 | PSW |
| LCS for HBN 16129 [MXX/1650] | 48551 | 11/18/2011 16:41 | MIP1337 | ICP1 | PSW |
| LCSD for HBN 16129 [MXX/1650] | 48552 | 11/18/2011 16:48 | MIP1337 | ICP1 | PSW |
| SB11 (2.0-3.0) | 31103217002 | 11/18/2011 16:54 | MIP1337 | ICP1 | PSW |
| SB11 (2.0-3.0)(48096MS) | 48554 | 11/18/2011 17:01 | MIP1337 | ICP1 | PSW |
| SB11 (2.0-3.0)(48096MSD) | 48555 | 11/18/2011 17:07 | MIP1337 | ICP1 | PSW |
| SB07 (1.0-1.5) | 31103217001 | 11/18/2011 17:26 | MIP1337 | ICP1 | PSW |
| SB07 (1.0-1.5)(48095DUP) | 48553 | 11/18/2011 17:33 | MIP1337 | ICP1 | PSW |



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## Method Blank

Blank ID: MB for HBN 16129 [MXX/1650]
Blank Lab ID: 48550
QC for Samples:
31103217001, 31103217002

Matrix: Water

## Results by **SW-846 6010C -SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Arsenic | ND | U | 0.00369 | 0.0100 | mg/L | 1 |
| Thallium | ND | U | 0.00857 | 0.0100 | mg/L | 1 |
| Selenium | ND | U | 0.00268 | 0.0200 | mg/L | 1 |
| Antimony | ND | U | 0.00319 | 0.0400 | mg/L | 1 |
| Zinc | ND | U | 0.00226 | 0.0200 | mg/L | 1 |
| Cadmium | **0.00194** | J | 0.00140 | 0.00500 | mg/L | 1 |
| Lead | ND | U | 0.00541 | 0.0100 | mg/L | 1 |
| Nickel | ND | U | 0.00306 | 0.0100 | mg/L | 1 |
| Manganese | ND | U | 0.00152 | 0.0100 | mg/L | 1 |
| Chromium | ND | U | 0.00147 | 0.0100 | mg/L | 1 |
| Beryllium | ND | U | 0.00858 | 0.0100 | mg/L | 1 |
| Copper | **0.00194** | J | 0.000672 | 0.0100 | mg/L | 1 |

## Batch Information

Analytical Batch: MIP1337
Analytical Method: SW-846 6010C -SPLP
Instrument: ICP1
Analyst: PSW
Analytical Date/Time: 11/18/2011 4:35:29PM

Prep Batch: MXX1650
Prep Method: SW-846 3010A
Prep Date/Time: 11/17/2011 4:18:17PM
Prep Initial Wt./Vol.: 50 mL
Prep Extract Vol: 50 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 16129 [MXX/1650]
Blank Spike Lab ID: 48551
Date Analyzed: 11/18/2011 16:41

Spike Duplicate ID: LCSD for HBN 16129 [MXX/1650]
Spike Duplicate Lab ID: 48552
Date Analyzed: 11/18/2011 16:48
Matrix: Water

QC for Samples: 31103217001, 31103217002

## Results by **SW-846 6010C -SPLP**

| | Blank Spike (mg/L) | | | Spike Duplicate (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Arsenic | 0.400 | 0.409 | 102 | 0.400 | 0.405 | 101 | 80.0-120 | 0.98 | 20.00 |
| Thallium | 0.400 | 0.404 | 101 | 0.400 | 0.400 | 100 | 80.0-120 | 1.0 | 20.00 |
| Selenium | 0.400 | 0.380 | 95 | 0.400 | 0.374 | 94 | 80.0-120 | 1.6 | 20.00 |
| Antimony | 0.400 | 0.430 | 107 | 0.400 | 0.432 | 108 | 80.0-120 | 0.46 | 20.00 |
| Zinc | 0.400 | 0.397 | 99 | 0.400 | 0.391 | 98 | 80.0-120 | 1.5 | 20.00 |
| Cadmium | 0.400 | 0.382 | 95 | 0.400 | 0.378 | 94 | 80.0-120 | 1.1 | 20.00 |
| Lead | 0.400 | 0.385 | 96 | 0.400 | 0.375 | 94 | 80.0-120 | 2.6 | 20.00 |
| Nickel | 0.400 | 0.391 | 98 | 0.400 | 0.387 | 97 | 80.0-120 | 1.0 | 20.00 |
| Manganese | 0.400 | 0.405 | 101 | 0.400 | 0.400 | 100 | 80.0-120 | 1.2 | 20.00 |
| Chromium | 0.400 | 0.392 | 98 | 0.400 | 0.386 | 96 | 80.0-120 | 1.5 | 20.00 |
| Beryllium | 0.400 | 0.394 | 99 | 0.400 | 0.389 | 97 | 80.0-120 | 1.3 | 20.00 |
| Copper | 0.400 | 0.406 | 102 | 0.400 | 0.403 | 101 | 80.0-120 | 0.74 | 20.00 |

## Batch Information

Analytical Batch: **MIP1337**
Analytical Method: **SW-846 6010C -SPLP**
Instrument: **ICP1**
Analyst: **PSW**

Prep Batch: **MXX1650**
Prep Method: **SW-846 3010A**
Prep Date/Time: **11/17/2011 16:18**
Spike Init Wt./Vol.: **50 mL** Extract Vol: **50 mL**
Dupe Init Wt./Vol.: **50 mL** Extract Vol: **50 mL**



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## Matrix Spike Summary

Original Sample ID: 31103217002 (SB11 (2.0-3.0))
MS Sample ID: 48554
MSD Sample ID: 48555

QC for Samples: 31103217001, 31103217002

Analysis Date: 11/18/2011 16:54
Analysis Date: 11/18/2011 17:01
Analysis Date: 11/18/2011 17:07
Matrix: Soil-Solid as dry weight

## Results by **SW-846 6010C -SPLP**

| | | Matrix Spike (mg/L) | | | Spike Duplicate (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Antimony | ND | 0.437 | 0.486 | 111 | 0.437 | 0.489 | 112 | 75.0-125 | 0.67 | 20.00 |
| Arsenic | ND | 0.437 | 0.456 | 104 | 0.437 | 0.468 | 107 | 75.0-125 | 2.6 | 20.00 |
| Beryllium | ND | 0.437 | 0.436 | 100 | 0.437 | 0.437 | 100 | 75.0-125 | 0.25 | 20.00 |
| Cadmium | 0.00183 | 0.437 | 0.419 | 96 | 0.437 | 0.426 | 97 | 75.0-125 | 1.8 | 20.00 |
| Chromium | 0.0177 | 0.437 | 0.439 | 96 | 0.437 | 0.437 | 96 | 75.0-125 | 0.50 | 20.00 |
| Copper | 0.0597 | 0.437 | 0.453 | 89 | 0.437 | 0.450 | 88 | 75.0-125 | 0.48 | 20.00 |
| Lead | 0.296 | 0.437 | 0.425 | 23 * | 0.437 | 0.428 | 24 * | 75.0-125 | 0.77 | 20.00 |
| Manganese | 0.177 | 0.437 | 0.451 | 59 * | 0.437 | 0.458 | 61 * | 75.0-125 | 1.4 | 20.00 |
| Nickel | ND | 0.437 | 0.433 | 99 | 0.437 | 0.436 | 100 | 75.0-125 | 0.75 | 20.00 |
| Selenium | ND | 0.437 | 0.423 | 97 | 0.437 | 0.428 | 98 | 75.0-125 | 1.3 | 20.00 |
| Thallium | ND | 0.437 | 0.437 | 100 | 0.437 | 0.443 | 101 | 75.0-125 | 1.2 | 20.00 |
| Zinc | 0.182 | 0.437 | 0.439 | 55 * | 0.437 | 0.438 | 55 * | 75.0-125 | 0.25 | 20.00 |

## Batch Information

Analytical Batch: **MIP1337**
Analytical Method: **SW-846 6010C -SPLP**
Instrument: **ICP1**
Analyst: **PSW**

Prep Batch: **MXX1650**
Prep Method: **SW-846 3010A**
Prep Date/Time: **11/17/2011 16:18**
MS Init Wt./Vol.: **50 mL** Extract Vol.: **50 mL**
MSD Init Wt./Vol.: **50 mL** Extract Vol.: **50 mL**



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## Duplicate Sample Summary

Original Sample ID: 31103217001-A
Duplicate Sample ID: 48553

Analysis Date: 11/18/2011 17:26
Analysis Date: 11/18/2011 17:33
Matrix: Soil-Solid as dry weight

QC for Samples: 31103217001, 31103217002

## Results by **SW-846 6010C -SPLP**

| PARAMETER | Original (mg/L) | Duplicate (mg/L) | RPD (%) | RPD CL |
|---|---|---|---|---|
| Antimony | ND | ND | 0 | 20.00 |
| Arsenic | ND | ND | 0 | 20.00 |
| Beryllium | ND | ND | 0 | 20.00 |
| Cadmium | 0.00326 | 0.00349 | 3.8 | 20.00 |
| Chromium | 0.0261 | 0.0268 | 8.0 | 20.00 |
| Copper | 0.0480 | 0.0508 | 4.9 | 20.00 |
| Lead | 0.373 | 0.404 | 2.7 | 20.00 |
| Manganese | 0.0172 | 0.0188 | 1.8 | 20.00 |
| Nickel | ND | ND | 0 | 20.00 |
| Selenium | ND | ND | 0 | 20.00 |
| Thallium | ND | ND | 0 | 20.00 |
| Zinc | 0.326 | 0.350 | 3.4 | 20.00 |

## Batch Information

Analytical Batch: MIP1337
Analytical Method: SW-846 6010C -SPLP
Instrument: ICP1
Analyst: PSW

Prep Batch: MXX1650
Prep Method: SW-846 3010A
Prep Date/Time: 11/17/2011 16:18



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## Batch Summary

Analytical Method: SW-846 7470A-SPLP

Prep Method: SW-846 7470A PREP
Prep Batch: MXX1652
Prep Date: 11/18/2011 08:10

| Client Sample ID | Lab Sample ID | Analysis Date | Analytical Batch | Instrument | Analyst |
|---|---|---|---|---|---|
| MB for HBN 16139 [MXX/1652] | 48596 | 11/18/2011 11:31 | MHG1165 | HG2 | NTM |
| LCS for HBN 16139 [MXX/1652] | 48597 | 11/18/2011 11:33 | MHG1165 | HG2 | NTM |
| LCSD for HBN 16139 [MXX/1652] | 48598 | 11/18/2011 11:35 | MHG1165 | HG2 | NTM |
| SB07 (1.0-1.5) | 31103217001 | 11/18/2011 11:37 | MHG1165 | HG2 | NTM |
| SB11 (2.0-3.0) | 31103217002 | 11/18/2011 11:41 | MHG1165 | HG2 | NTM |
| SB11 (2.0-3.0)(48096MS) | 48600 | 11/18/2011 11:43 | MHG1165 | HG2 | NTM |
| SB11 (2.0-3.0)(48096MSD) | 48601 | 11/18/2011 11:45 | MHG1165 | HG2 | NTM |
| SB07 (1.0-1.5)(48095DUP) | 48599 | 11/18/2011 12:15 | MHG1165 | HG2 | NTM |



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## Method Blank

Blank ID: MB for HBN 16139 [MXX/1652]
Blank Lab ID: 48596
QC for Samples:
31103217001, 31103217002

Matrix: Water

## Results by **SW-846 7470A-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF |
|---|---|---|---|---|---|---|
| Mercury | ND | U | 0.0000190 | 0.000150 | mg/L | 1 |

## Batch Information

Analytical Batch: MHG1165
Analytical Method: SW-846 7470A-SPLP
Instrument: HG2
Analyst: NTM
Analytical Date/Time: 11/18/2011 11:31:22AM

Prep Batch: MXX1652
Prep Method: SW-846 7470A PREP
Prep Date/Time: 11/18/2011 8:10:44AM
Prep Initial Wt./Vol.: 40 mL
Prep Extract Vol: 57 mL



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## Blank Spike Summary

Blank Spike ID: LCS for HBN 16139 [MXX/1652]
Blank Spike Lab ID: 48597
Date Analyzed: 11/18/2011 11:33

Spike Duplicate ID: LCSD for HBN 16139 [MXX/1652]
Spike Duplicate Lab ID: 48598
Date Analyzed: 11/18/2011 11:35
Matrix: Water

QC for Samples: 31103217001, 31103217002

## Results by **SW-846 7470A-SPLP**

| | Blank Spike (mg/L) | | | Spike Duplicate (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Parameter | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Mercury | 0.00713 | 0.00697 | 98 | 0.00713 | 0.00703 | 99 | 80.0-120 | 0.86 | 20.00 |

## Batch Information

Analytical Batch: **MHG1165**
Analytical Method: **SW-846 7470A-SPLP**
Instrument: **HG2**
Analyst: **NTM**

Prep Batch: **MXX1652**
Prep Method: **SW-846 7470A PREP**
Prep Date/Time: **11/18/2011 08:10**
Spike Init Wt./Vol.: **40 mL** Extract Vol: **57 mL**
Dupe Init Wt./Vol.: **40 mL** Extract Vol: **57 mL**



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## Matrix Spike Summary

Original Sample ID: 31103217002 (SB11 (2.0-3.0))
MS Sample ID: 48600
MSD Sample ID: 48601

QC for Samples: 31103217001, 31103217002

Analysis Date: 11/18/2011 11:41
Analysis Date: 11/18/2011 11:43
Analysis Date: 11/18/2011 11:45
Matrix: Soil-Solid as dry weight

## Results by **SW-846 7470A-SPLP**

| | | Matrix Spike (mg/L) | | | Spike Duplicate (mg/L) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | Sample | Spike | Result | Rec (%) | Spike | Result | Rec (%) | CL | RPD (%) | RPD CL |
| Mercury | 0.000278 | 0.00779 | 0.00957 | 119 | 0.00779 | 0.00919 | 114 | - | 4.0 | |

## Batch Information

Analytical Batch: **MHG1165**
Analytical Method: **SW-846 7470A-SPLP**
Instrument: **HG2**
Analyst: **NTM**

Prep Batch: **MXX1652**
Prep Method: **SW-846 7470A**
Prep Date/Time: **11/18/2011 08:10**
MS Init Wt./Vol.: **40 mL** Extract Vol.: **57 mL**
MSD Init Wt./Vol.: **40 mL** Extract Vol.: **57 mL**



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## Duplicate Sample Summary

Original Sample ID: 31103217001-A
Duplicate Sample ID: 48599

Analysis Date: 11/18/2011 11:37
Analysis Date: 11/18/2011 12:15
Matrix: Soil-Solid as dry weight

QC for Samples: 31103217001, 31103217002

## Results by **SW-846 7470A-SPLP**

| PARAMETER | Original (mg/L) | Duplicate (mg/L) | RPD (%) | RPD CL |
|---|---|---|---|---|
| Mercury | 0.0000652 | 0.000225 | 102 | |

## Batch Information

Analytical Batch: MHG1165
Analytical Method: SW-846 7470A-SPLP
Instrument: HG2
Analyst: NTM

Prep Batch: MXX1652
Prep Method: SW-846 7470A
Prep Date/Time: 11/18/2011 08:10



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# CHAIN OF CUSTODY RECORD
## SGS North America Inc.

Locations Nationwide
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- Maryland
- New York
- Ohio

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107744



(1)

CLIENT: Catlin

CONTACT: Rick Garrett PHONE NO: (910) 452.5861

PROJECT: Coca-Cola SITE/PWSID#:

REPORTS TO: Rick Garrett FAX NO.: 910 452.7563

INVOICE TO: Catlin QUOTE #:

P.O. NUMBER: 110812-1

SGS Reference: 31103217

PAGE 1 OF 1

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C= COMP, G= GRAB) | Preservatives Used | Analysis Required (3) SPLP RCRA | | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SB07 (1.0-1.5) | 8.12.11 | 0800 | S | 1 | | | X | | | | | | | | |
| | SB11 (2.0-3.0) | ⊥ | 1010 | S | 1 | | | X | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |

(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: |
|---|---|---|---|
| Relinquished By: (2) | Date | Time | Received By: |
| Relinquished By: (3) | Date | Time | Received By: |
| Relinquished By: (4) | Date | Time | Received By: |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: _____ . _____

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions: Re-log of samples from 31102150 per Ben 11/14/11

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☐ STD

# CHAIN OF CUSTODY RECORD
## SGS North America Inc.

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• New Jersey • New York
• North Carolina • Ohio
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102946

(1)
CLIENT: CATLIN
CONTACT: Rick Garrett PHONE NO: (910) 452 5861
PROJECT: Coca-Cola Vehicle Maint. Facility SITE/PWSID#:
REPORTS TO: Rick Garrett FAX NO.: (910) 452 7563
INVOICE TO: CATLIN QUOTE #:
P.O. NUMBER: 110812-1

SGS Reference: 31102150 PAGE 1 OF 2

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C= COMP, G= GRAB) | 8260+TICS | 8270+TICS | Total Metals | SPLP 8270 PAH only | SPLP 8260 TCE only | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB01 (1.0-2.0) | 8-12-11 | 0915 | SOIL | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 2 | SB01 (2.0-3.0) | " | " | " | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 3 | SB02 (1.0-2.0) | 8-11-11 | 1450 | " | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 4 | SB02 (2.0-3.0) | " | " | " | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 5 | SB03 (0.5-1.5) | 8-11-11 | 1330 | " | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 6 | SB03 (1.5-2.5) | " | " | " | 8 | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | |
| 7 | SB04 (2.0-3.0) | 8-11-11 | 1220 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 8 | SB05 (2.0-3.0) | 8-11-11 | 1315 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 9 | SB06 (2.0-3.0) | 8-11-11 | 1350 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |
| 10 * | SB07 (1.0-1.5) | 8-12-11 | 0800 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | |

(5)

| Collected/Relinquished By: (1) | Date | Time | Received By: |
|---|---|---|---|
| [signature] | 8/12/11 | 15:25 | [signature] |
| Relinquished By: (2) | Date | Time | Received By: |
| Relinquished By: (3) | Date | Time | Received By: |
| Relinquished By: (4) | Date | Time | Received By: |

(4)

Shipping Carrier:
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature°C: 5.5°C.
Special Deliverable Requirements:
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Special Instructions:
Requested Turnaround Time: ☐ RUSH _____ Date Needed ☐ STD

# CHAIN OF CUSTODY RECORD
## SGS North America Inc.

Locations Nationwide
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- New Jersey
- North Carolina
- Maryland
- New York
- Ohio

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(1)

CLIENT: CATLIN

CONTACT: Rick Garrett PHONE NO: (910) 452-5861

PROJECT: Coca-Cola Vehicle Maint. Facility SITE/PWSID#:

REPORTS TO: Rick Garrett FAX NO.: (910) 452-7563

INVOICE TO: CATLIN QUOTE #:

P.O. NUMBER: 110812-1

SGS Reference: 31102150

PAGE 2 OF 2

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C=COMP G=GRAB) | 8260 + TICS (3) | 8270 + TICS | Total Metals | | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Preservatives Used | | | | | | | | | | | | | | | | | |
| 11 | SB08 (2.0-3.0) | 8-12-11 | 0920 | SOIL | 6 | | ✓ | ✓ | ✓ | | | | | | | | |
| 12 | SB09 (2.0-3.0) | 8-11-11 | 1430 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | | |
| 13 | SB10 (2.0-3.0) | 8-12-11 | 0950 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | | |
| 14 * | SB11 (2.0-3.0) | 8-12-11 | 1010 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | | |
| 15 | SB11D (2.0-3.0) | 8-12-11 | 1010 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | | |
| 16 | SB12 (2.0-3.0) | 8-12-11 | 0845 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | | |
| 17 | SB13 (2.0-3.0) | 8-12-11 | 0820 | " | 6 | | ✓ | ✓ | ✓ | | | | | | | | |
| 18 | TRIP BLANK | | | | | | ✓ | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

(5)

| Collected/Relinquished By: (1) | Date | Time | Received By: |
|---|---|---|---|
| [signature] | 8/12/11 | 15:25 | [signature] |
| Relinquished By: (2) | Date | Time | Received By: |
| Relinquished By: (3) | Date | Time | Received By: |
| Relinquished By: (4) | Date | Time | Received By: |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 5.5°C

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☐ STD

# SGS North America Inc.

## Sample Receipt Checklist (SRC)

Client: **Catlin** Work Order No.: **31103217**

1. ___ Shipped
   X Hand Delivered

2. X COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. ___ Custody Tape on Container
   X No Custody Tape

4. X Samples Intact
   ___ Samples Broken / Leaking

5. X Chilled on Receipt Actual Temp.(s) in °C: 5.5
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ Received Outside of Temperature Specifications

6. X Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. X Received Within Holding Time
   ___ Not Received Within Holding Time

9. X No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Descrepancies*

10. ___ No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments: Relog of 31102150.

Inspected and Logged in by: JJ
Date: Mon-11/14/11 00:00

*NCDENR must be notified when collection, holding time or preservation requirements are not met.

## Laboratory Report of Analysis

To: Rick Garrett
RICHARD CATLIN & ASSOCIATES
220 Old Dairy Rd.
Wilmington, NC 28405

Report Number: **31201737**

Client Project: **Coca-Cola**

Dear Rick Garrett,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. All results are intended to be used in their entirety and SGS is not responsible for use of less than the complete report. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara A. Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America Inc.

Barbara A. Hager
Project Manager
barbara.hager@sgs.com

Date

Print Date: 06/20/2012

N.C. Certification # 481

ANALYTICAL PERSPECTIVES IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

## Laboratory Qualifiers

### Report Definitions

| | |
|---|---|
| DL | Method, Instrument, or Estimated Detection Limit per Analytical Method |
| CL | Control Limits for the recovery result of a parameter |
| LOQ | Reporting Limit |
| DF | Dilution Factor |
| RPD | Relative Percent Difference |
| LCS(D) | Laboratory Control Spike (Duplicate) |
| MS(D) | Matrix Spike (Duplicate) |
| MB | Method Blank |

### Qualifier Definitions

| | |
|---|---|
| * | Recovery or RPD outside of control limits |
| B | Analyte was detected in the Lab Method Blank at a level above the LOQ |
| U | Undetected (Reported as ND or < DL) |
| V | Recovery is below quality control limit. The data has been validated based on a favorable signal-to-noise and detection limit |
| A | Amount detected is less than the Lower Method Calibration Limit |
| J | Estimated Concentration. |
| O | The recovery of this analyte in the OPR is above the Method QC Limits and the reported concentration in the sample may be biased high |
| E | Amount detected is greater than the Upper Calibration Limit |
| S | The amount of analyte present has saturated the detector. This situation results in an underestimation of the affected analyte(s) |
| Q | Indicates the presence of a quantitative interference. This situation may result in an underestimation of the affected analyte(s) |
| I | Indicates the presence of a qualitative interference that could cause a false positive or an overestimation of the affected analyte(s) |
| DPE | Indicates the presence of a peak in the polychlorinated diphenylether channel that could cause a false positive or an overestimation of the affected analyte(s) |
| TIC | Tentatively Identified Compound |
| EMPC | Estimated Maximum possible Concentration due to ion ratio failure |
| ND | Not Detected |
| K | Result is estimated due to ion ratio failure in High Resolution PCB Analysis |
| P | RPD > 40% between results of dual columns |
| D | Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range |

Samples requiring manual integrations for various congeners and/or standards are marked and dated by the analyst. A code definition is provided below:

| | |
|---|---|
| M1 | Mis-identified peak |
| M2 | Software did not integrate peak |
| M3 | Incorrect baseline construction (i.e. not all of peak included; two peaks integrated as one) |
| M4 | Pattern integration required (i.e. DRO, GRO, PCB, Toxaphene and Technical Chlordane) |
| M5 | Other - Explained in case narrative |

Note Results pages that include a value for "Solids (%)" have been adjusted for moisture content.



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Member of the SGS Group (SGS SA)

## Sample Summary

| Client Sample ID | Lab Sample ID | Collected | Received | Matrix |
|---|---|---|---|---|
| SB-04-2 (2-3 ft) | 31201737001 | 06/05/2012 14:10 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-07-2 (2-3 ft) | 31201737002 | 06/05/2012 09:25 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-11-2 (2-3 ft) | 31201737003 | 06/05/2012 09:55 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-08-2 (2-3 ft) | 31201737004 | 06/05/2012 14:00 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-10-2 (2-3 ft) | 31201737005 | 06/05/2012 12:45 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-18 (2-3 ft) | 31201737006 | 06/05/2012 13:30 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-19 (2-3 ft) | 31201737007 | 06/05/2012 09:40 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-14 (2-3 ft) | 31201737008 | 06/05/2012 10:30 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-15 (2-3 ft) | 31201737009 | 06/05/2012 11:50 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-16 (2-3 ft) | 31201737010 | 06/05/2012 13:20 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-17 (2-3 ft) | 31201737011 | 06/05/2012 13:00 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-14 (2-3 ft) | 31201737012 | 06/05/2012 10:30 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-15 (2-3 ft) | 31201737013 | 06/05/2012 11:50 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-16 (2-3 ft) | 31201737014 | 06/05/2012 13:20 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-17 (2-3 ft) | 31201737015 | 06/05/2012 13:00 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-18 (2-3 ft) | 31201737016 | 06/05/2012 13:30 | 06/06/2012 10:36 | Soil-Solid as dry weight |
| SB-19 (2-3 ft) | 31201737017 | 06/05/2012 09:40 | 06/06/2012 10:36 | Soil-Solid as dry weight |



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## Case Narrative

**LCSD-S for HBN 24729 [VXX/3485**

8260B-Autosampler error caused the sequence to end before running the matrix spike duplicate. LCSD will be used to evaluate precision.

**LCS-S for HBN 24729 [VXX/3485]**

8260B-Autosampler error caused the sequence to end before running the matrix spike duplicate. LCSD will be used to evaluate precision.

**MB-S for HBN 24729 [VXX/3485]**

8260B-Autosampler error caused the sequence to end before running the matrix spike duplicate. LCSD will be used to evaluate precision.

**SB-14 (2-3 ft)**

8260B-Low IS confirmed by duplicate analysis.

**SB-15 (2-3' ft)(75302DUP)**

8260B-RPD's out in batch DUP because vial leaked during purge. LCS/LCSD will be used to evaluate precision.

**SB-18 (2-3 ft)**

8260B-Autosampler error caused the sequence to end before running the matrix spike duplicate. LCSD will be used to evaluate precision.
8260B-Dichloromethane hit biased high due to laboratory contamination. Sample prepped from 4 oz. jar stored outside VOA sample storage area. VOC analysis added per client request.

**SB-18 (2-3 ft)(75293MS)**

8260B-Autosampler error caused the sequence to end before running the matrix spike duplicate. LCSD will be used to evaluate precision.



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## Results of **SB-04-2 (2-3 ft)**

Client Sample ID: **SB-04-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737001-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 14:10
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 81.30

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium | **24.0** | | 0.170 | 1.18 | mg/kg | 1 | 06/8/2012 17:53 |

## Batch Information

Analytical Batch: **MIP1586**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **06/08/2012 17:53**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.52 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-04-2 (2-3 ft)**

Client Sample ID: **SB-04-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737001-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 14:10
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 81.30

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | **2.09** | J | 0.261 | 4.75 | mg/kg | 1 | 06/12/2012 10:12 |

## Batch Information

Analytical Batch: **INO1723**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **06/12/2012 10:12**

Prep Batch: **IXX1094**
Prep Method: **SW-846 3060A**
Prep Date/Time: **06/11/2012 08:20**
Prep Initial Wt./Vol.: **2.59 g**
Prep Extract Vol: **100 mL**

## Results of **SB-04-2 (2-3 ft)**

Client Sample ID: **SB-04-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737001-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 14:10
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 81.30

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **21.9** | | 0.177 | 1.23 | mg/kg | 1 | 06/13/2012 16:04 |

## Batch Information

Analytical Batch: **INO1729**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **NTM**
Analytical Date/Time: **06/13/2012 16:04**

Prep Batch: **INO1729**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **06/13/2012 16:04**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-07-2 (2-3 ft)**

Client Sample ID: **SB-07-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737002-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 09:25
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 84.30

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium | **43.4** | | 0.150 | 1.04 | mg/kg | 1 | 06/8/2012 18:12 |

## Batch Information

Analytical Batch: **MIP1586**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **06/08/2012 18:12**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-07-2 (2-3 ft)**

Client Sample ID: **SB-07-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737002-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 09:25
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 84.30

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | **4.76** | | 0.252 | 4.58 | mg/kg | 1 | 06/12/2012 10:20 |

## Batch Information

Analytical Batch: **INO1723**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **06/12/2012 10:20**

Prep Batch: **IXX1094**
Prep Method: **SW-846 3060A**
Prep Date/Time: **06/11/2012 08:20**
Prep Initial Wt./Vol.: **2.59 g**
Prep Extract Vol: **100 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-07-2 (2-3 ft)**

Client Sample ID: **SB-07-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737002-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 09:25
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 84.30

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **38.6** | | 0.171 | 1.19 | mg/kg | 1 | 06/13/2012 16:05 |

## Batch Information

Analytical Batch: **INO1729**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **NTM**
Analytical Date/Time: **06/13/2012 16:05**

Prep Batch: **INO1729**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **06/13/2012 16:05**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-11-2 (2-3 ft)**

Client Sample ID: **SB-11-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737003-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 09:55
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium | **15.2** | | 0.132 | 0.915 | mg/kg | 1 | 06/8/2012 18:19 |

## Batch Information

Analytical Batch: **MIP1586**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **06/08/2012 18:19**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-11-2 (2-3 ft)**

Client Sample ID: **SB-11-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737003-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 09:55
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 7196A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (VI) | ND | U | 0.229 | 4.15 | mg/kg | 1 | 06/12/2012 10:22 |

## Batch Information

Analytical Batch: **INO1723**
Analytical Method: **SW-846 7196A**
Instrument: **SPEC1**
Analyst: **PSW**
Analytical Date/Time: **06/12/2012 10:22**

Prep Batch: **IXX1094**
Prep Method: **SW-846 3060A**
Prep Date/Time: **06/11/2012 08:20**
Prep Initial Wt./Vol.: **2.6 g**
Prep Extract Vol: **100 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-11-2 (2-3 ft)**

Client Sample ID: **SB-11-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737003-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 09:55
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 92.60

## Results by **SW-846 7196A/6010B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Chromium (III) | **15.2** | | 0.156 | 1.08 | mg/kg | 1 | 06/13/2012 16:05 |

## Batch Information

Analytical Batch: **INO1729**
Analytical Method: **SW-846 7196A/6010B**
Instrument:
Analyst: **NTM**
Analytical Date/Time: **06/13/2012 16:05**

Prep Batch: **INO1729**
Prep Method: **SW-846 7196A/6010B**
Prep Date/Time: **06/13/2012 16:05**
Prep Initial Wt./Vol.: **1 mL**
Prep Extract Vol: **1 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-08-2 (2-3 ft)**

Client Sample ID: **SB-08-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737004-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 14:00
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 100.00

## Results by **SW-846 8270D-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 1.93 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| 2-Methylnaphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Acenaphthene | ND | U | 2.06 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Acenaphthylene | ND | U | 2.00 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Anthracene | ND | U | 1.93 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Benzo(a)anthracene | ND | U | 1.96 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Benzo(a)pyrene | ND | U | 1.86 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Benzo(b)fluoranthene | ND | U | 1.96 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Benzo(g,h,i)perylene | ND | U | 2.15 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Benzo(k)fluoranthene | ND | U | 2.31 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Chrysene | ND | U | 2.20 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Dibenz(a,h)anthracene | ND | U | 2.02 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Fluoranthene | ND | U | 2.02 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Fluorene | ND | U | 2.44 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Indeno(1,2,3-cd)pyrene | ND | U | 2.02 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Naphthalene | ND | U | 1.94 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Phenanthrene | ND | U | 1.99 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| Pyrene | ND | U | 2.01 | 5.00 | ug/L | 1 | 06/12/2012 16:18 |
| **Surrogates** | | | | | | | |
| 2,4,6-Tribromophenol | 76.2 | | | 29.3-152 | % | 1 | 06/12/2012 16:18 |
| 2-Fluorobiphenyl | 63.2 | | | 50.0-107 | % | 1 | 06/12/2012 16:18 |
| 2-Fluorophenol | 56.1 | | | 33.1-118 | % | 1 | 06/12/2012 16:18 |
| Nitrobenzene-d5 | 70.9 | | | 46.0-118 | % | 1 | 06/12/2012 16:18 |
| Phenol-d6 | 74.3 | | | 49.0-120 | % | 1 | 06/12/2012 16:18 |
| Terphenyl-d14 | 96.9 | | | 22.1-142 | % | 1 | 06/12/2012 16:18 |

## Batch Information

Analytical Batch: **XMS1556**
Analytical Method: **SW-846 8270D-SPLP**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **06/12/2012 16:18**

Prep Batch: **XXX2690**
Prep Method: **SW-846 3520C**
Prep Date/Time: **06/11/2012 12:14**
Prep Initial Wt./Vol.: **100 mL**
Prep Extract Vol: **5 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-10-2 (2-3 ft)**

Client Sample ID: **SB-10-2 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737005-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 12:45
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 100.00

## Results by **SW-846 8260B-SPLP**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Tetrachloroethene | **2.61** | | 0.155 | 1.00 | ug/L | 1 | 06/11/2012 14:36 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 87.0 | | | 64.0-140 | % | 1 | 06/11/2012 14:36 |
| 4-Bromofluorobenzene | 100 | | | 85.0-115 | % | 1 | 06/11/2012 14:36 |
| Toluene d8 | 100 | | | 82.0-117 | % | 1 | 06/11/2012 14:36 |

## Batch Information

Analytical Batch: **VMS2278**
Analytical Method: **SW-846 8260B-SPLP**
Instrument: **MSD8**
Analyst: **BWS**
Analytical Date/Time: **06/11/2012 14:36**

Prep Batch: **VXX3439**
Prep Method: **SW-846 5030B**
Prep Date/Time: **06/11/2012 08:00**
Prep Initial Wt./Vol.: **40 mL**
Prep Extract Vol: **40 mL**

Print Date: 06/20/2012

N.C. Certification # 481

Results of **SB-18 (2-3 ft)**

Client Sample ID: **SB-18 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737006-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.12 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,1,1-Trichloroethane | ND | U | 0.819 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.19 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,1,2-Trichloroethane | ND | U | 1.09 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,1-Dichloroethane | ND | U | 0.908 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,1-Dichloroethene | ND | U | 0.950 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,1-Dichloropropene | ND | U | 0.970 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,2,3-Trichlorobenzene | ND | U | 1.46 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,2,3-Trichloropropane | ND | U | 1.17 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,2,4-Trichlorobenzene | ND | U | 1.25 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,2,4-Trimethylbenzene | ND | U | 1.13 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,2-Dibromo-3-chloropropane | ND | U | 6.11 | 31.6 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,2-Dibromoethane | ND | U | 0.798 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,2-Dichlorobenzene | ND | U | 1.36 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,2-Dichloroethane | ND | U | 0.932 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,2-Dichloropropane | ND | U | 0.847 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,3,5-Trimethylbenzene | ND | U | 1.04 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,3-Dichlorobenzene | ND | U | 1.22 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,3-Dichloropropane | ND | U | 0.848 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 1,4-Dichlorobenzene | ND | U | 1.16 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 2,2-Dichloropropane | ND | U | 0.878 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 2-Butanone | ND | U | 1.64 | 26.3 | ug/Kg | 1 | 06/18/2012 19:23 |
| 2-Chlorotoluene | ND | U | 1.18 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 2-Hexanone | ND | U | 2.05 | 13.2 | ug/Kg | 1 | 06/18/2012 19:23 |
| 4-Chlorotoluene | ND | U | 1.17 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 4-Isopropyltoluene | ND | U | 1.09 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| 4-Methyl-2-pentanone | ND | U | 3.38 | 13.2 | ug/Kg | 1 | 06/18/2012 19:23 |
| Acetone | ND | U | 1.30 | 52.6 | ug/Kg | 1 | 06/18/2012 19:23 |
| Benzene | ND | U | 0.940 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Bromobenzene | ND | U | 1.04 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Bromochloromethane | ND | U | 0.919 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Bromodichloromethane | ND | U | 0.856 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Bromoform | ND | U | 0.704 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Bromomethane | ND | U | 1.85 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| n-Butylbenzene | ND | U | 1.14 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Carbon disulfide | ND | U | 0.909 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Carbon tetrachloride | ND | U | 0.916 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Chlorobenzene | ND | U | 0.814 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Chloroethane | ND | U | 0.484 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Chloroform | ND | U | 0.854 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Chloromethane | ND | U | 0.763 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Dibromochloromethane | ND | U | 0.891 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Dibromomethane | ND | U | 0.854 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Dichlorodifluoromethane | ND | U | 0.765 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-18 (2-3 ft)**

Client Sample ID: **SB-18 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737006-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | U | 0.906 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| trans-1,3-Dichloropropene | ND | U | 0.943 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Diisopropyl Ether | ND | U | 0.945 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Ethyl Benzene | ND | U | 0.870 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Hexachlorobutadiene | ND | U | 1.44 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Isopropylbenzene (Cumene) | ND | U | 1.01 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Methyl iodide | ND | U | 0.890 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Methylene chloride | **53.2** | | 0.735 | 21.0 | ug/Kg | 1 | 06/18/2012 19:23 |
| Naphthalene | ND | U | 1.27 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Styrene | ND | U | 1.04 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Tetrachloroethene | ND | U | 0.791 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Toluene | **3.47** | J | 0.852 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Trichloroethene | ND | U | 0.881 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Trichlorofluoromethane | ND | U | 0.793 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Vinyl chloride | ND | U | 0.774 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| Xylene (total) | ND | U | 1.86 | 10.5 | ug/Kg | 1 | 06/18/2012 19:23 |
| cis-1,2-Dichloroethene | ND | U | 0.816 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| m,p-Xylene | ND | U | 1.86 | 10.5 | ug/Kg | 1 | 06/18/2012 19:23 |
| n-Propylbenzene | ND | U | 1.03 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| o-Xylene | ND | U | 1.06 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| sec-Butylbenzene | ND | U | 1.09 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.897 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| tert-Butylbenzene | ND | U | 0.953 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| trans-1,2-Dichloroethene | ND | U | 0.906 | 5.26 | ug/Kg | 1 | 06/18/2012 19:23 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.69 | 26.3 | ug/Kg | 1 | 06/18/2012 19:23 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 109 | | | 55.0-173 | % | 1 | 06/18/2012 19:23 |
| 4-Bromofluorobenzene | 99.0 | | | 23.0-141 | % | 1 | 06/18/2012 19:23 |
| Toluene d8 | 105 | | | 57.0-134 | % | 1 | 06/18/2012 19:23 |

## Batch Information

Analytical Batch: **VMS2293**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **06/18/2012 19:23**

Prep Batch: **VXX3485**
Prep Method: **SW-846 5030B SL**
Prep Date/Time: **06/18/2012 03:00**
Prep Initial Wt./Vol.: **5.09 g**
Prep Extract Vol: **5 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-18 (2-3 ft)**

Client Sample ID: **SB-18 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737006-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | **33.0** | J | 12.9 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| 2-Methylnaphthalene | **36.3** | J | 26.8 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Acenaphthene | ND | U | 15.0 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Acenaphthylene | **49.5** | J | 14.0 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Anthracene | **39.6** | J | 14.7 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Benzo(a)anthracene | **258** | J | 18.2 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Benzo(a)pyrene | **277** | J | 18.7 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Benzo(b)fluoranthene | **337** | | 19.0 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Benzo(g,h,i)perylene | **277** | J | 52.7 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Benzo(k)fluoranthene | **145** | J | 39.7 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Chrysene | **320** | J | 38.5 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Dibenz(a,h)anthracene | **62.7** | J | 14.9 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Fluoranthene | **492** | | 31.1 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Fluorene | ND | U | 17.6 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Indeno(1,2,3-cd)pyrene | **211** | J | 25.8 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Naphthalene | **52.8** | J | 28.6 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Phenanthrene | **297** | J | 21.8 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| Pyrene | **439** | | 14.0 | 331 | ug/Kg | 1 | 06/8/2012 16:54 |
| **Surrogates** | | | | | | | |
| 2-Fluorobiphenyl | 101 | | | 48.0-123 | % | 1 | 06/8/2012 16:54 |
| Nitrobenzene-d5 | 103 | | | 46.0-117 | % | 1 | 06/8/2012 16:54 |
| Terphenyl-d14 | 115 | | | 44.0-140 | % | 1 | 06/8/2012 16:54 |

## Batch Information

Analytical Batch: **XMS1554**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **06/08/2012 16:54**

Prep Batch: **XXX2678**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/07/2012 11:03**
Prep Initial Wt./Vol.: **32.4 g**
Prep Extract Vol: **10 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-18 (2-3 ft)**

Client Sample ID: **SB-18 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737006-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | **1.03** | | 0.863 | 1.01 | mg/kg | 1 | 06/8/2012 18:25 |
| Cadmium | **0.239** | J | 0.0715 | 0.505 | mg/kg | 1 | 06/8/2012 18:25 |
| Chromium | **4.58** | | 0.146 | 1.01 | mg/kg | 1 | 06/8/2012 18:25 |
| Copper | **15.3** | | 0.0818 | 1.01 | mg/kg | 1 | 06/8/2012 18:25 |
| Lead | **121** | | 3.53 | 10.1 | mg/kg | 10 | 06/11/2012 10:53 |
| Manganese | **41.1** | | 0.277 | 1.01 | mg/kg | 1 | 06/8/2012 18:25 |
| Nickel | **1.80** | | 0.299 | 1.01 | mg/kg | 1 | 06/8/2012 18:25 |
| Silver | ND | U | 0.113 | 1.01 | mg/kg | 1 | 06/8/2012 18:25 |
| Zinc | **74.2** | | 1.13 | 2.02 | mg/kg | 1 | 06/8/2012 18:25 |

## Batch Information

Analytical Batch: **MIP1586**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **06/08/2012 18:25**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1587**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **06/11/2012 10:53**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-18 (2-3 ft)**

Client Sample ID: **SB-18 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737006-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.157** | | 0.000945 | 0.0210 | mg/kg | 1 | 06/7/2012 12:13 |

## Batch Information

Analytical Batch: **MHG1256**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **06/07/2012 12:13**

Prep Batch: **MXX2088**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **06/07/2012 10:00**
Prep Initial Wt./Vol.: **.51 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-18 (2-3 ft)**

Client Sample ID: **SB-18 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737006-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 93.30

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **0.692** | | 0.0273 | 0.0505 | mg/kg | 5 | 06/11/2012 11:31 |
| Arsenic | **1.49** | | 0.0440 | 0.0505 | mg/kg | 5 | 06/11/2012 11:31 |
| Selenium | **0.136** | | 0.0687 | 0.101 | mg/kg | 5 | 06/11/2012 11:31 |
| Thallium | ND | U | 0.0124 | 0.0505 | mg/kg | 5 | 06/11/2012 15:35 |

## Batch Information

Analytical Batch: **MMS1220**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 11:31**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1221**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 15:35**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.53 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-19 (2-3 ft)**

Client Sample ID: **SB-19 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737007-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 09:40
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 84.50

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | **173** | J | 14.1 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| 2-Methylnaphthalene | **252** | J | 29.2 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Acenaphthene | ND | U | 16.4 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Acenaphthylene | **46.9** | J | 15.2 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Anthracene | **46.9** | J | 16.1 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Benzo(a)anthracene | **220** | J | 19.9 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Benzo(a)pyrene | ND | U | 20.4 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Benzo(b)fluoranthene | ND | U | 20.8 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Benzo(g,h,i)perylene | ND | U | 57.5 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Benzo(k)fluoranthene | ND | U | 43.3 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Chrysene | **285** | J | 42.0 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Dibenz(a,h)anthracene | ND | U | 16.3 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Fluoranthene | **451** | | 34.0 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Fluorene | ND | U | 19.2 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Indeno(1,2,3-cd)pyrene | ND | U | 28.2 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Naphthalene | **191** | J | 31.2 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Phenanthrene | **314** | J | 23.8 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| Pyrene | **483** | | 15.2 | 362 | ug/Kg | 1 | 06/8/2012 19:33 |
| **Surrogates** | | | | | | | |
| 2-Fluorobiphenyl | 94.4 | | | 48.0-123 | % | 1 | 06/8/2012 19:33 |
| Nitrobenzene-d5 | 97.9 | | | 46.0-117 | % | 1 | 06/8/2012 19:33 |
| Terphenyl-d14 | 119 | | | 44.0-140 | % | 1 | 06/8/2012 19:33 |

## Batch Information

Analytical Batch: **XMS1554**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **06/08/2012 19:33**

Prep Batch: **XXX2678**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/07/2012 11:03**
Prep Initial Wt./Vol.: **32.8 g**
Prep Extract Vol: **10 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-19 (2-3 ft)**

Client Sample ID: **SB-19 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737007-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 09:40
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 84.50

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.887 | 1.04 | mg/kg | 1 | 06/8/2012 18:31 |
| Cadmium | **4.60** | | 0.0734 | 0.519 | mg/kg | 1 | 06/8/2012 18:31 |
| Chromium | **57.0** | | 0.150 | 1.04 | mg/kg | 1 | 06/8/2012 18:31 |
| Copper | **59.3** | | 0.0840 | 1.04 | mg/kg | 1 | 06/8/2012 18:31 |
| Lead | **1200** | | 36.2 | 104 | mg/kg | 100 | 06/11/2012 11:00 |
| Manganese | **157** | | 2.85 | 10.4 | mg/kg | 10 | 06/11/2012 10:57 |
| Nickel | **8.00** | | 0.307 | 1.04 | mg/kg | 1 | 06/8/2012 18:31 |
| Silver | **0.294** | J | 0.116 | 1.04 | mg/kg | 1 | 06/8/2012 18:31 |
| Zinc | **1110** | | 116 | 208 | mg/kg | 100 | 06/11/2012 11:00 |

## Batch Information

Analytical Batch: **MIP1586**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **06/08/2012 18:31**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1587**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **06/11/2012 11:00**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-19 (2-3 ft)**

Client Sample ID: **SB-19 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737007-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 09:40
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 84.50

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **1.02** | | 0.000935 | 0.0208 | mg/kg | 1 | 06/7/2012 12:19 |

## Batch Information

Analytical Batch: **MHG1256**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **06/07/2012 12:19**

Prep Batch: **MXX2088**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **06/07/2012 10:00**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-19 (2-3 ft)**

Client Sample ID: **SB-19 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737007-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 09:40
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 84.50

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **1.76** | | 0.0280 | 0.0519 | mg/kg | 5 | 06/11/2012 11:35 |
| Arsenic | **3.13** | | 0.0452 | 0.0519 | mg/kg | 5 | 06/11/2012 11:35 |
| Selenium | **0.280** | | 0.0706 | 0.104 | mg/kg | 5 | 06/11/2012 11:35 |
| Thallium | ND | U | 0.0127 | 0.0519 | mg/kg | 5 | 06/11/2012 15:37 |

## Batch Information

Analytical Batch: **MMS1220**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 11:35**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1221**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 15:37**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.57 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

Results of **SB-14 (2-3 ft)**

Client Sample ID: **SB-14 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737008-B
Lab Project ID: 31201737

Collection Date: 06/05/2012 10:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 89.50

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.09 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,1,1-Trichloroethane | ND | U | 0.798 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.16 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,1,2-Trichloroethane | ND | U | 1.07 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,1-Dichloroethane | ND | U | 0.885 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,1-Dichloroethene | ND | U | 0.926 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,1-Dichloropropene | ND | U | 0.945 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,2,3-Trichlorobenzene | ND | U | 1.43 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,2,3-Trichloropropane | ND | U | 1.14 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,2,4-Trichlorobenzene | ND | U | 1.22 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,2,4-Trimethylbenzene | ND | U | 1.10 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.96 | 30.8 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,2-Dibromoethane | ND | U | 0.777 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,2-Dichlorobenzene | ND | U | 1.32 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,2-Dichloroethane | ND | U | 0.908 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,2-Dichloropropane | ND | U | 0.825 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,3,5-Trimethylbenzene | ND | U | 1.01 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,3-Dichlorobenzene | ND | U | 1.19 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,3-Dichloropropane | ND | U | 0.826 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 1,4-Dichlorobenzene | ND | U | 1.13 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 2,2-Dichloropropane | ND | U | 0.855 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 2-Butanone | ND | U | 1.60 | 25.6 | ug/Kg | 1 | 06/7/2012 11:37 |
| 2-Chlorotoluene | ND | U | 1.15 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 2-Hexanone | ND | U | 2.00 | 12.8 | ug/Kg | 1 | 06/7/2012 11:37 |
| 4-Chlorotoluene | ND | U | 1.14 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 4-Isopropyltoluene | ND | U | 1.07 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| 4-Methyl-2-pentanone | ND | U | 3.29 | 12.8 | ug/Kg | 1 | 06/7/2012 11:37 |
| Acetone | ND | U | 1.27 | 51.3 | ug/Kg | 1 | 06/7/2012 11:37 |
| Benzene | ND | U | 0.916 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Bromobenzene | ND | U | 1.01 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Bromochloromethane | ND | U | 0.895 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Bromodichloromethane | ND | U | 0.834 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Bromoform | ND | U | 0.686 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Bromomethane | ND | U | 1.80 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| n-Butylbenzene | ND | U | 1.11 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Carbon disulfide | ND | U | 0.886 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Carbon tetrachloride | ND | U | 0.892 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Chlorobenzene | ND | U | 0.794 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Chloroethane | ND | U | 0.472 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Chloroform | ND | U | 0.833 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Chloromethane | ND | U | 0.743 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Dibromochloromethane | ND | U | 0.868 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Dibromomethane | ND | U | 0.833 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Dichlorodifluoromethane | ND | U | 0.745 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-14 (2-3 ft)**

Client Sample ID: **SB-14 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737008-B
Lab Project ID: 31201737

Collection Date: 06/05/2012 10:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 89.50

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | U | 0.883 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| trans-1,3-Dichloropropene | ND | U | 0.919 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Diisopropyl Ether | ND | U | 0.921 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Ethyl Benzene | ND | U | 0.848 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Hexachlorobutadiene | ND | U | 1.40 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Isopropylbenzene (Cumene) | ND | U | 0.987 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Methyl iodide | ND | U | 0.867 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Methylene chloride | **1.36** | J | 0.716 | 20.5 | ug/Kg | 1 | 06/7/2012 11:37 |
| Naphthalene | ND | U | 1.24 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Styrene | ND | U | 1.01 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Tetrachloroethene | **10.5** | | 0.771 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Toluene | ND | U | 0.830 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Trichloroethene | ND | U | 0.858 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Trichlorofluoromethane | **2.61** | J | 0.773 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Vinyl chloride | ND | U | 0.755 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| Xylene (total) | ND | U | 1.81 | 10.3 | ug/Kg | 1 | 06/7/2012 11:37 |
| cis-1,2-Dichloroethene | ND | U | 0.795 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| m,p-Xylene | ND | U | 1.81 | 10.3 | ug/Kg | 1 | 06/7/2012 11:37 |
| n-Propylbenzene | ND | U | 1.00 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| o-Xylene | ND | U | 1.04 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| sec-Butylbenzene | ND | U | 1.07 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.874 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| tert-Butylbenzene | ND | U | 0.929 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| trans-1,2-Dichloroethene | ND | U | 0.883 | 5.13 | ug/Kg | 1 | 06/7/2012 11:37 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.55 | 25.6 | ug/Kg | 1 | 06/7/2012 11:37 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 103 | | | 55.0-173 | % | 1 | 06/7/2012 11:37 |
| 4-Bromofluorobenzene | 76.0 | | | 23.0-141 | % | 1 | 06/7/2012 11:37 |
| Toluene d8 | 95.0 | | | 57.0-134 | % | 1 | 06/7/2012 11:37 |

## Batch Information

Analytical Batch: **VMS2271**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **06/07/2012 11:37**

Prep Batch: **VXX3427**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **06/06/2012 11:43**
Prep Initial Wt./Vol.: **5.45 g**
Prep Extract Vol: **5 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-14 (2-3 ft)**

Client Sample ID: **SB-14 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737008-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 10:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 89.50

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 13.3 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| 2-Methylnaphthalene | ND | U | 27.6 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Acenaphthene | ND | U | 15.5 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Acenaphthylene | ND | U | 14.4 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Anthracene | ND | U | 15.2 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Benzo(a)anthracene | ND | U | 18.8 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Benzo(a)pyrene | **34.1** | J | 19.3 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Benzo(b)fluoranthene | **64.8** | J | 19.7 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Benzo(g,h,i)perylene | ND | U | 54.4 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Benzo(k)fluoranthene | ND | U | 41.0 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Chrysene | **71.6** | J | 39.8 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Dibenz(a,h)anthracene | ND | U | 15.4 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Fluoranthene | **140** | J | 32.1 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Fluorene | ND | U | 18.1 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Indeno(1,2,3-cd)pyrene | **30.7** | J | 26.7 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Naphthalene | ND | U | 29.5 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Phenanthrene | **88.7** | J | 22.5 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| Pyrene | **119** | J | 14.4 | 342 | ug/Kg | 1 | 06/8/2012 17:16 |
| **Surrogates** | | | | | | | |
| 2-Fluorobiphenyl | 91.4 | | | 48.0-123 | % | 1 | 06/8/2012 17:16 |
| Nitrobenzene-d5 | 95.4 | | | 46.0-117 | % | 1 | 06/8/2012 17:16 |
| Terphenyl-d14 | 108 | | | 44.0-140 | % | 1 | 06/8/2012 17:16 |

## Batch Information

Analytical Batch: **XMS1554**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **06/08/2012 17:16**

Prep Batch: **XXX2678**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/07/2012 11:03**
Prep Initial Wt./Vol.: **32.73 g**
Prep Extract Vol: **10 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-14 (2-3 ft)**

Client Sample ID: **SB-14 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737008-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 10:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 89.50

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Zinc | **21.9** | | 1.14 | 2.03 | mg/kg | 1 | 06/8/2012 18:50 |
| Cadmium | **0.122** | J | 0.0718 | 0.508 | mg/kg | 1 | 06/8/2012 18:50 |
| Lead | **51.4** | | 0.355 | 1.02 | mg/kg | 1 | 06/8/2012 18:50 |
| Nickel | **0.798** | J | 0.301 | 1.02 | mg/kg | 1 | 06/8/2012 18:50 |
| Manganese | **25.7** | | 0.278 | 1.02 | mg/kg | 1 | 06/8/2012 18:50 |
| Chromium | **2.17** | | 0.146 | 1.02 | mg/kg | 1 | 06/8/2012 18:50 |
| Beryllium | **1.23** | | 0.868 | 1.02 | mg/kg | 1 | 06/8/2012 18:50 |
| Copper | **12.9** | | 0.0822 | 1.02 | mg/kg | 1 | 06/8/2012 18:50 |
| Silver | ND | U | 0.114 | 1.02 | mg/kg | 1 | 06/8/2012 18:50 |

## Batch Information

Analytical Batch: **MIP1586**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **06/08/2012 18:50**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-14 (2-3 ft)**

Client Sample ID: **SB-14 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737008-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 10:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 89.50

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **2.54** | | 0.000914 | 0.0203 | mg/kg | 1 | 06/7/2012 12:22 |

## Batch Information

Analytical Batch: **MHG1256**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **06/07/2012 12:22**

Prep Batch: **MXX2088**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **06/07/2012 10:00**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-14 (2-3 ft)**

Client Sample ID: **SB-14 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737008-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 10:30
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 89.50

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **0.234** | | 0.0274 | 0.0508 | mg/kg | 5 | 06/11/2012 11:43 |
| Arsenic | **0.508** | | 0.0442 | 0.0508 | mg/kg | 5 | 06/11/2012 11:43 |
| Selenium | **0.117** | | 0.0691 | 0.102 | mg/kg | 5 | 06/11/2012 11:43 |
| Thallium | ND | U | 0.0124 | 0.0508 | mg/kg | 5 | 06/11/2012 15:38 |

## Batch Information

Analytical Batch: **MMS1220**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 11:43**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1221**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 15:38**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.55 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

Results of **SB-15 (2-3 ft)**

Client Sample ID: **SB-15 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737009-B
Lab Project ID: 31201737

Collection Date: 06/05/2012 11:50
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 86.70

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.22 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,1,1-Trichloroethane | ND | U | 0.892 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.30 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,1,2-Trichloroethane | ND | U | 1.19 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,1-Dichloroethane | ND | U | 0.990 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,1-Dichloroethene | ND | U | 1.04 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,1-Dichloropropene | ND | U | 1.06 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,2,3-Trichlorobenzene | ND | U | 1.59 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,2,3-Trichloropropane | ND | U | 1.27 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,2,4-Trichlorobenzene | ND | U | 1.36 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,2,4-Trimethylbenzene | ND | U | 1.23 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,2-Dibromo-3-chloropropane | ND | U | 6.66 | 34.4 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,2-Dibromoethane | ND | U | 0.869 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,2-Dichlorobenzene | ND | U | 1.48 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,2-Dichloroethane | ND | U | 1.02 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,2-Dichloropropane | ND | U | 0.923 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,3,5-Trimethylbenzene | ND | U | 1.13 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,3-Dichlorobenzene | ND | U | 1.33 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,3-Dichloropropane | ND | U | 0.924 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 1,4-Dichlorobenzene | ND | U | 1.26 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 2,2-Dichloropropane | ND | U | 0.956 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 2-Butanone | ND | U | 1.79 | 28.7 | ug/Kg | 1 | 06/7/2012 12:06 |
| 2-Chlorotoluene | ND | U | 1.28 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 2-Hexanone | ND | U | 2.24 | 14.3 | ug/Kg | 1 | 06/7/2012 12:06 |
| 4-Chlorotoluene | ND | U | 1.27 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 4-Isopropyltoluene | ND | U | 1.19 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| 4-Methyl-2-pentanone | ND | U | 3.68 | 14.3 | ug/Kg | 1 | 06/7/2012 12:06 |
| Acetone | ND | U | 1.42 | 57.3 | ug/Kg | 1 | 06/7/2012 12:06 |
| Benzene | ND | U | 1.02 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Bromobenzene | ND | U | 1.13 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Bromochloromethane | ND | U | 1.00 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Bromodichloromethane | ND | U | 0.932 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Bromoform | ND | U | 0.767 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Bromomethane | ND | U | 2.02 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| n-Butylbenzene | ND | U | 1.24 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Carbon disulfide | ND | U | 0.991 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Carbon tetrachloride | ND | U | 0.998 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Chlorobenzene | ND | U | 0.888 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Chloroethane | ND | U | 0.528 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Chloroform | ND | U | 0.931 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Chloromethane | ND | U | 0.831 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Dibromochloromethane | ND | U | 0.971 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Dibromomethane | ND | U | 0.931 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Dichlorodifluoromethane | ND | U | 0.834 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-15 (2-3 ft)**

Client Sample ID: **SB-15 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737009-B
Lab Project ID: 31201737

Collection Date: 06/05/2012 11:50
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 86.70

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | U | 0.987 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| trans-1,3-Dichloropropene | ND | U | 1.03 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Diisopropyl Ether | ND | U | 1.03 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Ethyl Benzene | ND | U | 0.948 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Hexachlorobutadiene | ND | U | 1.57 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Isopropylbenzene (Cumene) | ND | U | 1.10 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Methyl iodide | ND | U | 0.970 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Methylene chloride | ND | U | 0.800 | 22.9 | ug/Kg | 1 | 06/7/2012 12:06 |
| Naphthalene | ND | U | 1.39 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Styrene | ND | U | 1.13 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Tetrachloroethene | **5.52** | J | 0.862 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Toluene | ND | U | 0.929 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Trichloroethene | ND | U | 0.960 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Trichlorofluoromethane | **0.894** | J | 0.865 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Vinyl chloride | ND | U | 0.844 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| Xylene (total) | ND | U | 2.03 | 11.5 | ug/Kg | 1 | 06/7/2012 12:06 |
| cis-1,2-Dichloroethene | ND | U | 0.889 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| m,p-Xylene | ND | U | 2.03 | 11.5 | ug/Kg | 1 | 06/7/2012 12:06 |
| n-Propylbenzene | ND | U | 1.12 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| o-Xylene | ND | U | 1.16 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| sec-Butylbenzene | ND | U | 1.19 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.977 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| tert-Butylbenzene | ND | U | 1.04 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| trans-1,2-Dichloroethene | ND | U | 0.987 | 5.73 | ug/Kg | 1 | 06/7/2012 12:06 |
| trans-1,4-Dichloro-2-butene | ND | U | 6.20 | 28.7 | ug/Kg | 1 | 06/7/2012 12:06 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 97.0 | | | 55.0-173 | % | 1 | 06/7/2012 12:06 |
| 4-Bromofluorobenzene | 93.0 | | | 23.0-141 | % | 1 | 06/7/2012 12:06 |
| Toluene d8 | 99.0 | | | 57.0-134 | % | 1 | 06/7/2012 12:06 |

## Batch Information

Analytical Batch: **VMS2271**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **06/07/2012 12:06**

Prep Batch: **VXX3427**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **06/06/2012 11:45**
Prep Initial Wt./Vol.: **5.03 g**
Prep Extract Vol: **5 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-15 (2-3 ft)**

Client Sample ID: **SB-15 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737009-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 11:50
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 86.70

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 13.9 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| 2-Methylnaphthalene | ND | U | 28.9 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Acenaphthene | ND | U | 16.2 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Acenaphthylene | ND | U | 15.1 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Anthracene | ND | U | 15.9 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Benzo(a)anthracene | ND | U | 19.7 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Benzo(a)pyrene | ND | U | 20.2 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Benzo(b)fluoranthene | ND | U | 20.6 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Benzo(g,h,i)perylene | ND | U | 56.9 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Benzo(k)fluoranthene | ND | U | 42.9 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Chrysene | ND | U | 41.6 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Dibenz(a,h)anthracene | ND | U | 16.1 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Fluoranthene | **60.6** | J | 33.6 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Fluorene | ND | U | 19.0 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Indeno(1,2,3-cd)pyrene | ND | U | 27.9 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Naphthalene | ND | U | 30.9 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Phenanthrene | **60.6** | J | 23.5 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| Pyrene | **49.9** | J | 15.1 | 358 | ug/Kg | 1 | 06/8/2012 17:39 |
| **Surrogates** | | | | | | | |
| 2-Fluorobiphenyl | 87.6 | | | 48.0-123 | % | 1 | 06/8/2012 17:39 |
| Nitrobenzene-d5 | 96.5 | | | 46.0-117 | % | 1 | 06/8/2012 17:39 |
| Terphenyl-d14 | 103 | | | 44.0-140 | % | 1 | 06/8/2012 17:39 |

## Batch Information

Analytical Batch: **XMS1554**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **06/08/2012 17:39**

Prep Batch: **XXX2678**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/07/2012 11:03**
Prep Initial Wt./Vol.: **32.3 g**
Prep Extract Vol: **10 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-15 (2-3 ft)**

Client Sample ID: **SB-15 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737009-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 11:50
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 86.70

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | **0.890** | J | 0.821 | 0.961 | mg/kg | 1 | 06/8/2012 18:56 |
| Cadmium | **0.115** | J | 0.0680 | 0.481 | mg/kg | 1 | 06/8/2012 18:56 |
| Chromium | **2.94** | | 0.138 | 0.961 | mg/kg | 1 | 06/8/2012 18:56 |
| Copper | **14.4** | | 0.0778 | 0.961 | mg/kg | 1 | 06/8/2012 18:56 |
| Lead | **166** | | 0.336 | 0.961 | mg/kg | 1 | 06/8/2012 18:56 |
| Manganese | **20.4** | | 0.263 | 0.961 | mg/kg | 1 | 06/8/2012 18:56 |
| Nickel | **1.42** | | 0.285 | 0.961 | mg/kg | 1 | 06/8/2012 18:56 |
| Silver | ND | U | 0.108 | 0.961 | mg/kg | 1 | 06/8/2012 18:56 |
| Zinc | **48.7** | | 1.08 | 1.92 | mg/kg | 1 | 06/8/2012 18:56 |

## Batch Information

Analytical Batch: **MIP1586**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **06/08/2012 18:56**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.6 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-15 (2-3 ft)**

Client Sample ID: **SB-15 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737009-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 11:50
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 86.70

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.223** | | 0.000865 | 0.0192 | mg/kg | 1 | 06/7/2012 12:24 |

## Batch Information

Analytical Batch: **MHG1256**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **06/07/2012 12:24**

Prep Batch: **MXX2088**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **06/07/2012 10:00**
Prep Initial Wt./Vol.: **.6 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-15 (2-3 ft)**

Client Sample ID: **SB-15 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737009-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 11:50
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 86.70

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **0.236** | | 0.0260 | 0.0481 | mg/kg | 5 | 06/11/2012 11:47 |
| Arsenic | **0.856** | | 0.0418 | 0.0481 | mg/kg | 5 | 06/11/2012 11:47 |
| Selenium | **0.120** | | 0.0654 | 0.0961 | mg/kg | 5 | 06/11/2012 11:47 |
| Thallium | ND | U | 0.0118 | 0.0481 | mg/kg | 5 | 06/11/2012 15:40 |

## Batch Information

Analytical Batch: **MMS1220**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 11:47**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.6 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1221**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 15:40**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.6 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

Results of **SB-16 (2-3 ft)**

Client Sample ID: **SB-16 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737010-B
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:20
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 88.50

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 1.06 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,1,1-Trichloroethane | ND | U | 0.779 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,1,2,2-Tetrachloroethane | ND | U | 1.13 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,1,2-Trichloroethane | ND | U | 1.04 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,1-Dichloroethane | ND | U | 0.864 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,1-Dichloroethene | ND | U | 0.904 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,1-Dichloropropene | ND | U | 0.923 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,2,3-Trichlorobenzene | ND | U | 1.39 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,2,3-Trichloropropane | ND | U | 1.11 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,2,4-Trichlorobenzene | ND | U | 1.19 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,2,4-Trimethylbenzene | ND | U | 1.07 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,2-Dibromo-3-chloropropane | ND | U | 5.82 | 30.0 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,2-Dibromoethane | ND | U | 0.759 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,2-Dichlorobenzene | ND | U | 1.29 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,2-Dichloroethane | ND | U | 0.887 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,2-Dichloropropane | ND | U | 0.806 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,3,5-Trimethylbenzene | ND | U | 0.986 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,3-Dichlorobenzene | ND | U | 1.16 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,3-Dichloropropane | ND | U | 0.807 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 1,4-Dichlorobenzene | ND | U | 1.10 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 2,2-Dichloropropane | ND | U | 0.835 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 2-Butanone | ND | U | 1.56 | 25.0 | ug/Kg | 1 | 06/7/2012 12:35 |
| 2-Chlorotoluene | ND | U | 1.12 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 2-Hexanone | ND | U | 1.95 | 12.5 | ug/Kg | 1 | 06/7/2012 12:35 |
| 4-Chlorotoluene | ND | U | 1.11 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 4-Isopropyltoluene | ND | U | 1.04 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| 4-Methyl-2-pentanone | ND | U | 3.21 | 12.5 | ug/Kg | 1 | 06/7/2012 12:35 |
| Acetone | **4.06** | J | 1.24 | 50.1 | ug/Kg | 1 | 06/7/2012 12:35 |
| Benzene | ND | U | 0.894 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Bromobenzene | ND | U | 0.988 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Bromochloromethane | ND | U | 0.874 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Bromodichloromethane | ND | U | 0.814 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Bromoform | ND | U | 0.670 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Bromomethane | ND | U | 1.76 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| n-Butylbenzene | ND | U | 1.08 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Carbon disulfide | ND | U | 0.865 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Carbon tetrachloride | ND | U | 0.871 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Chlorobenzene | ND | U | 0.775 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Chloroethane | ND | U | 0.461 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Chloroform | ND | U | 0.813 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Chloromethane | ND | U | 0.726 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Dibromochloromethane | ND | U | 0.848 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Dibromomethane | ND | U | 0.813 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Dichlorodifluoromethane | ND | U | 0.728 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-16 (2-3 ft)**

Client Sample ID: **SB-16 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737010-B
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:20
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 88.50

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | U | 0.862 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| trans-1,3-Dichloropropene | ND | U | 0.897 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Diisopropyl Ether | ND | U | 0.899 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Ethyl Benzene | ND | U | 0.828 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Hexachlorobutadiene | ND | U | 1.37 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Isopropylbenzene (Cumene) | ND | U | 0.964 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Methyl iodide | ND | U | 0.847 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Methylene chloride | **3.84** | J | 0.699 | 20.0 | ug/Kg | 1 | 06/7/2012 12:35 |
| Naphthalene | ND | U | 1.21 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Styrene | ND | U | 0.988 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Tetrachloroethene | **5.08** | | 0.753 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Toluene | ND | U | 0.811 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Trichloroethene | ND | U | 0.838 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Trichlorofluoromethane | **2.56** | J | 0.755 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Vinyl chloride | ND | U | 0.737 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| Xylene (total) | ND | U | 1.77 | 10.0 | ug/Kg | 1 | 06/7/2012 12:35 |
| cis-1,2-Dichloroethene | ND | U | 0.776 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| m,p-Xylene | ND | U | 1.77 | 10.0 | ug/Kg | 1 | 06/7/2012 12:35 |
| n-Propylbenzene | ND | U | 0.976 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| o-Xylene | ND | U | 1.01 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| sec-Butylbenzene | ND | U | 1.04 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| tert-Butyl methyl ether (MTBE) | ND | U | 0.853 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| tert-Butylbenzene | ND | U | 0.907 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| trans-1,2-Dichloroethene | ND | U | 0.862 | 5.01 | ug/Kg | 1 | 06/7/2012 12:35 |
| trans-1,4-Dichloro-2-butene | ND | U | 5.42 | 25.0 | ug/Kg | 1 | 06/7/2012 12:35 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 114 | | | 55.0-173 | % | 1 | 06/7/2012 12:35 |
| 4-Bromofluorobenzene | 86.0 | | | 23.0-141 | % | 1 | 06/7/2012 12:35 |
| Toluene d8 | 97.0 | | | 57.0-134 | % | 1 | 06/7/2012 12:35 |

## Batch Information

Analytical Batch: **VMS2271**
Analytical Method: **SW-846 8260B**
Instrument: **MSD9**
Analyst: **DVO**
Analytical Date/Time: **06/07/2012 12:35**

Prep Batch: **VXX3427**
Prep Method: **SW-846 5035 SL**
Prep Date/Time: **06/06/2012 11:47**
Prep Initial Wt./Vol.: **5.64 g**
Prep Extract Vol: **5 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-16 (2-3 ft)**

Client Sample ID: **SB-16 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737010-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:20
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 88.50

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 13.2 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| 2-Methylnaphthalene | ND | U | 27.3 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Acenaphthene | ND | U | 15.3 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Acenaphthylene | ND | U | 14.2 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Anthracene | ND | U | 15.0 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Benzo(a)anthracene | ND | U | 18.5 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Benzo(a)pyrene | ND | U | 19.1 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Benzo(b)fluoranthene | ND | U | 19.4 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Benzo(g,h,i)perylene | ND | U | 53.7 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Benzo(k)fluoranthene | ND | U | 40.4 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Chrysene | ND | U | 39.2 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Dibenz(a,h)anthracene | ND | U | 15.2 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Fluoranthene | **47.1** | J | 31.7 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Fluorene | ND | U | 17.9 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Indeno(1,2,3-cd)pyrene | ND | U | 26.3 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Naphthalene | ND | U | 29.1 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Phenanthrene | **33.7** | J | 22.2 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| Pyrene | **40.4** | J | 14.2 | 337 | ug/Kg | 1 | 06/8/2012 18:02 |
| **Surrogates** | | | | | | | |
| 2-Fluorobiphenyl | 99.0 | | | 48.0-123 | % | 1 | 06/8/2012 18:02 |
| Nitrobenzene-d5 | 102 | | | 46.0-117 | % | 1 | 06/8/2012 18:02 |
| Terphenyl-d14 | 114 | | | 44.0-140 | % | 1 | 06/8/2012 18:02 |

## Batch Information

Analytical Batch: **XMS1554**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **06/08/2012 18:02**

Prep Batch: **XXX2678**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/07/2012 11:03**
Prep Initial Wt./Vol.: **33.53 g**
Prep Extract Vol: **10 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-16 (2-3 ft)**

Client Sample ID: **SB-16 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737010-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:20
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 88.50

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.893 | 1.05 | mg/kg | 1 | 06/8/2012 19:02 |
| Cadmium | ND | U | 0.0740 | 0.523 | mg/kg | 1 | 06/8/2012 19:02 |
| Chromium | **1.28** | | 0.151 | 1.05 | mg/kg | 1 | 06/8/2012 19:02 |
| Copper | **1.01** | J | 0.0846 | 1.05 | mg/kg | 1 | 06/8/2012 19:02 |
| Lead | **13.3** | | 0.365 | 1.05 | mg/kg | 1 | 06/8/2012 19:02 |
| Manganese | **2.93** | | 0.287 | 1.05 | mg/kg | 1 | 06/8/2012 19:02 |
| Nickel | ND | U | 0.310 | 1.05 | mg/kg | 1 | 06/8/2012 19:02 |
| Silver | ND | U | 0.117 | 1.05 | mg/kg | 1 | 06/8/2012 19:02 |
| Zinc | **7.71** | | 1.17 | 2.09 | mg/kg | 1 | 06/8/2012 19:02 |

## Batch Information

Analytical Batch: **MIP1586**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **06/08/2012 19:02**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-16 (2-3 ft)**

Client Sample ID: **SB-16 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737010-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:20
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 88.50

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.134** | | 0.000862 | 0.0191 | mg/kg | 1 | 06/7/2012 12:26 |

## Batch Information

Analytical Batch: **MHG1256**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **06/07/2012 12:26**

Prep Batch: **MXX2088**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **06/07/2012 10:00**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-16 (2-3 ft)**

Client Sample ID: **SB-16 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737010-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:20
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 88.50

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **0.0314** | J | 0.0282 | 0.0523 | mg/kg | 5 | 06/11/2012 11:51 |
| Arsenic | **0.115** | | 0.0455 | 0.0523 | mg/kg | 5 | 06/11/2012 11:51 |
| Selenium | **0.105** | | 0.0711 | 0.105 | mg/kg | 5 | 06/11/2012 11:51 |
| Thallium | ND | U | 0.0128 | 0.0523 | mg/kg | 5 | 06/11/2012 15:45 |

## Batch Information

Analytical Batch: **MMS1220**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 11:51**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1221**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 15:45**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.54 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

Results of **SB-17 (2-3 ft)**

Client Sample ID: **SB-17 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737011-E
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:00
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 90.80

Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | U | 5.50 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,1,1-Trichloroethane | ND | U | 6.51 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,1,2,2-Tetrachloroethane | ND | U | 8.26 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,1,2-Trichloroethane | ND | U | 6.67 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,1-Dichloroethane | ND | U | 8.73 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,1-Dichloroethene | ND | U | 11.2 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,1-Dichloropropene | ND | U | 4.57 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,2,3-Trichlorobenzene | ND | U | 5.82 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,2,3-Trichloropropane | ND | U | 11.2 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,2,4-Trichlorobenzene | ND | U | 4.83 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,2,4-Trimethylbenzene | ND | U | 5.09 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,2-Dibromo-3-chloropropane | ND | U | 39.6 | 265 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,2-Dibromoethane | ND | U | 6.35 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,2-Dichlorobenzene | ND | U | 7.25 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,2-Dichloroethane | ND | U | 8.84 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,2-Dichloropropane | ND | U | 8.63 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,3,5-Trimethylbenzene | ND | U | 5.98 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,3-Dichlorobenzene | ND | U | 5.45 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,3-Dichloropropane | ND | U | 6.88 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 1,4-Dichlorobenzene | ND | U | 6.88 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 2,2-Dichloropropane | ND | U | 20.8 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 2-Butanone | ND | U | 38.3 | 1320 | ug/Kg | 50 | 06/7/2012 13:55 |
| 2-Chlorotoluene | ND | U | 5.98 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 2-Hexanone | ND | U | 38.5 | 265 | ug/Kg | 50 | 06/7/2012 13:55 |
| 4-Chlorotoluene | ND | U | 6.61 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 4-Isopropyltoluene | ND | U | 4.07 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| 4-Methyl-2-pentanone | ND | U | 29.5 | 265 | ug/Kg | 50 | 06/7/2012 13:55 |
| Acetone | ND | U | 45.7 | 1320 | ug/Kg | 50 | 06/7/2012 13:55 |
| Benzene | ND | U | 5.98 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Bromobenzene | ND | U | 5.82 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Bromochloromethane | ND | U | 11.2 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Bromodichloromethane | ND | U | 5.82 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Bromoform | ND | U | 5.15 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Bromomethane | ND | U | 12.5 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| n-Butylbenzene | ND | U | 4.07 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Carbon disulfide | ND | U | 5.61 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Carbon tetrachloride | ND | U | 5.34 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Chlorobenzene | ND | U | 6.14 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Chloroethane | ND | U | 16.5 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Chloroform | ND | U | 7.36 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Chloromethane | ND | U | 23.7 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Dibromochloromethane | ND | U | 7.09 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Dibromomethane | ND | U | 8.89 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Dichlorodifluoromethane | ND | U | 9.05 | 265 | ug/Kg | 50 | 06/7/2012 13:55 |

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-17 (2-3 ft)**

Client Sample ID: **SB-17 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737011-E
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:00
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 90.80

## Results by **SW-846 8260B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | U | 4.06 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| trans-1,3-Dichloropropene | ND | U | 4.56 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Diisopropyl Ether | ND | U | 15.6 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Ethyl Benzene | ND | U | 4.64 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Hexachlorobutadiene | ND | U | 4.19 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Isopropylbenzene (Cumene) | ND | U | 4.60 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Methyl iodide | ND | U | 6.09 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Methylene chloride | ND | U | 8.04 | 265 | ug/Kg | 50 | 06/7/2012 13:55 |
| Naphthalene | ND | U | 4.52 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Styrene | ND | U | 5.40 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Tetrachloroethene | **944** | | 8.20 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Toluene | ND | U | 7.04 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Trichloroethene | ND | U | 6.61 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Trichlorofluoromethane | ND | U | 7.25 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Vinyl chloride | ND | U | 6.56 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| Xylene (total) | ND | U | 9.63 | 106 | ug/Kg | 50 | 06/7/2012 13:55 |
| cis-1,2-Dichloroethene | ND | U | 7.20 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| m,p-Xylene | ND | U | 9.63 | 106 | ug/Kg | 50 | 06/7/2012 13:55 |
| n-Propylbenzene | ND | U | 5.98 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| o-Xylene | ND | U | 4.63 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| sec-Butylbenzene | ND | U | 5.93 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| tert-Butyl methyl ether (MTBE) | ND | U | 7.62 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| tert-Butylbenzene | ND | U | 4.52 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| trans-1,2-Dichloroethene | ND | U | 11.8 | 52.9 | ug/Kg | 50 | 06/7/2012 13:55 |
| trans-1,4-Dichloro-2-butene | ND | U | 21.9 | 265 | ug/Kg | 50 | 06/7/2012 13:55 |
| **Surrogates** | | | | | | | |
| 1,2-Dichloroethane-d4 | 100 | | | 55.0-173 | % | 50 | 06/7/2012 13:55 |
| 4-Bromofluorobenzene | 95.0 | | | 23.0-141 | % | 50 | 06/7/2012 13:55 |
| Toluene d8 | 94.0 | | | 57.0-134 | % | 50 | 06/7/2012 13:55 |

## Batch Information

Analytical Batch: **VMS2270**
Analytical Method: **SW-846 8260B**
Instrument: **MSD8**
Analyst: **DVO**
Analytical Date/Time: **06/07/2012 13:55**

Prep Batch: **VXX3437**
Prep Method: **SW-846 5035 SM**
Prep Date/Time: **06/06/2012 11:49**
Prep Initial Wt./Vol.: **5.203 g**
Prep Extract Vol: **5 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-17 (2-3 ft)**

Client Sample ID: **SB-17 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737011-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:00
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 90.80

## Results by **SW-846 8270D**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ND | U | 13.4 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| 2-Methylnaphthalene | ND | U | 27.8 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Acenaphthene | ND | U | 15.6 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Acenaphthylene | **103** | J | 14.5 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Anthracene | **75.6** | J | 15.3 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Benzo(a)anthracene | **1120** | | 18.9 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Benzo(a)pyrene | **1420** | | 19.5 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Benzo(b)fluoranthene | **1690** | | 19.8 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Benzo(g,h,i)perylene | **1210** | | 54.8 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Benzo(k)fluoranthene | **622** | | 41.3 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Chrysene | **1490** | | 40.1 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Dibenz(a,h)anthracene | **251** | J | 15.5 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Fluoranthene | **2610** | | 32.4 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Fluorene | ND | U | 18.3 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Indeno(1,2,3-cd)pyrene | **1000** | | 26.9 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Naphthalene | **55.0** | J | 29.7 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Phenanthrene | **1030** | | 22.7 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| Pyrene | **2490** | | 14.5 | 345 | ug/Kg | 1 | 06/8/2012 18:25 |
| **Surrogates** | | | | | | | |
| 2-Fluorobiphenyl | 100 | | | 48.0-123 | % | 1 | 06/8/2012 18:25 |
| Nitrobenzene-d5 | 102 | | | 46.0-117 | % | 1 | 06/8/2012 18:25 |
| Terphenyl-d14 | 113 | | | 44.0-140 | % | 1 | 06/8/2012 18:25 |

## Batch Information

Analytical Batch: **XMS1554**
Analytical Method: **SW-846 8270D**
Instrument: **MSD10**
Analyst: **CMP**
Analytical Date/Time: **06/08/2012 18:25**

Prep Batch: **XXX2678**
Prep Method: **SW-846 3541**
Prep Date/Time: **06/07/2012 11:03**
Prep Initial Wt./Vol.: **32.02 g**
Prep Extract Vol: **10 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-17 (2-3 ft)**

Client Sample ID: **SB-17 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737011-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:00
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 90.80

## Results by **SW-846 6010C**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Beryllium | ND | U | 0.797 | 0.933 | mg/kg | 1 | 06/8/2012 19:08 |
| Cadmium | **0.311** | J | 0.0660 | 0.467 | mg/kg | 1 | 06/8/2012 19:08 |
| Chromium | **5.82** | | 0.134 | 0.933 | mg/kg | 1 | 06/8/2012 19:08 |
| Copper | **27.5** | | 0.0755 | 0.933 | mg/kg | 1 | 06/8/2012 19:08 |
| Lead | **292** | | 3.26 | 9.33 | mg/kg | 10 | 06/11/2012 11:04 |
| Manganese | **70.9** | | 0.256 | 0.933 | mg/kg | 1 | 06/8/2012 19:08 |
| Nickel | **1.81** | | 0.276 | 0.933 | mg/kg | 1 | 06/8/2012 19:08 |
| Silver | **0.232** | J | 0.105 | 0.933 | mg/kg | 1 | 06/8/2012 19:08 |
| Zinc | **151** | | 10.5 | 18.7 | mg/kg | 10 | 06/11/2012 11:04 |

## Batch Information

Analytical Batch: **MIP1586**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **PSW**
Analytical Date/Time: **06/08/2012 19:08**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MIP1587**
Analytical Method: **SW-846 6010C**
Instrument: **ICP1**
Analyst: **NTM**
Analytical Date/Time: **06/11/2012 11:04**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-17 (2-3 ft)**

Client Sample ID: **SB-17 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737011-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:00
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 90.80

## Results by **SW-846 7471B**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Mercury | **0.478** | | 0.000885 | 0.0197 | mg/kg | 1 | 06/7/2012 12:32 |

## Batch Information

Analytical Batch: **MHG1256**
Analytical Method: **SW-846 7471B**
Instrument: **HG2**
Analyst: **NTM**
Analytical Date/Time: **06/07/2012 12:32**

Prep Batch: **MXX2088**
Prep Method: **SW-846 7471B PREP**
Prep Date/Time: **06/07/2012 10:00**
Prep Initial Wt./Vol.: **.56 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

## Results of **SB-17 (2-3 ft)**

Client Sample ID: **SB-17 (2-3 ft)**
Client Project ID: **Coca-Cola**
Lab Sample ID: 31201737011-A
Lab Project ID: 31201737

Collection Date: 06/05/2012 13:00
Received Date: 06/06/2012 10:36
Matrix: Soil-Solid as dry weight
Solids (%): 90.80

## Results by **SW-846 6020A**

| Parameter | Result | Qual | DL | LOQ/CL | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|---|
| Antimony | **0.238** | | 0.0252 | 0.0467 | mg/kg | 5 | 06/11/2012 11:55 |
| Arsenic | **1.33** | | 0.0406 | 0.0467 | mg/kg | 5 | 06/11/2012 11:55 |
| Selenium | **0.154** | | 0.0635 | 0.0933 | mg/kg | 5 | 06/11/2012 11:55 |
| Thallium | **0.0140** | J | 0.0114 | 0.0467 | mg/kg | 5 | 06/11/2012 15:46 |

## Batch Information

Analytical Batch: **MMS1220**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 11:55**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**

Analytical Batch: **MMS1221**
Analytical Method: **SW-846 6020A**
Instrument: **ICPMS2**
Analyst: **PSW**
Analytical Date/Time: **06/11/2012 15:46**

Prep Batch: **MXX2087**
Prep Method: **SW-846 3050B**
Prep Date/Time: **06/07/2012 08:28**
Prep Initial Wt./Vol.: **.59 g**
Prep Extract Vol: **50 mL**

Print Date: 06/20/2012

N.C. Certification # 481

# SGS

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CLIENT: CATLIN

CONTACT: Ben Ashba PHONE NO: (910) 452-5861

PROJECT: Coca-Cola SITE/PWSID#:

REPORTS TO: Ben@CATLIN benashba@catlinusa.com FAX NO.: (910) 452-5863

INVOICE TO: Sheila@CATLIN QUOTE #:

P.O. NUMBER: 120606-1

SGS Reference: 31201737

PAGE 1 OF 1

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C=COMP G=GRAB) | Total Chromium, Chrom III, Chrom VI | 8270 PAH SPLP | 8260 SPLP-only Tetrachloroethylene | 8270 PAH | Total Metals 6010C, 6020A, 7471B | 8260 | Mercury SPLP | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Preservatives Used | | | | | | | | | | | |
| | | | | | | Analysis Required (3) | | | | | | | | | | | |
| 1 | SB-04-2 (2-3') | 6-5-12 | 1410 | SOIL | 1 | G | X | | | | | | | | | | |
| 2 | SB-07-2 (2-3') | | 0925 | | 1 | G | X | | | | | | | | | | |
| 3 | SB-11-2 (2-3') | | 0955 | | 1 | G | X | | | | | | | | | | |
| 4 | SB-08-2 (2-3') | | 1400 | | 1 | G | | X | | | | | | | | | |
| 5 | SB-10-2 (2-3') | | 1245 | | 1 | G | | | X | | | | | | | | |
| 6 | SB-18 (2-3') | | 1330 | | 1 | G | | | | X | X | | | | | | |
| 7 | SB-19 (2-3') | | 0940 | | 1 | G | | | | X | X | | | | | | |
| 8 | SB-14 (2-3') | | 1030 | | 5 | G | | | | X | X | X | | | | | |
| 9 | SB-15 (2-3') | | 1150 | | 1 | G | | | | | | | | | | | |
| 10 | SB-16 (2-3') | | 1320 | | | G | | | | | | | | | | | |
| 11 | SB-17 (2-3') | | 1300 | | | G | | | | | | | | | | | |

(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: |
|---|---|---|---|
| Cory D. Futral | 6/6/12 | 1011 | [illegible] |
| Relinquished By: (2) | Date | Time | Received By: |
| | | | |
| Relinquished By: (3) | Date | Time | Received By: |
| | | | |
| Relinquished By: (4) | Date | Time | Received By: |
| | | | |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 2.0

Special Deliverable Requirements: Summary EDD

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions: Please report any low runs. Screening OK

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☒ STD

☐ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
☒ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

# CHAIN OF CUSTODY RECORD
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(1)

CLIENT: CATLIN

CONTACT: Ben Ashba — PHONE NO: (910) 452-5861

PROJECT: Coca Cola — SITE/PWSID#: 208069

REPORTS TO: Ben@CATLIN — ben.ashba@catlinusa.com — FAX NO.: (910) 452-7563

INVOICE TO: Sheila@CATLIN — QUOTE #: — P.O. NUMBER: 120606-1

SGS Reference:

PAGE 1 OF 1

(2)

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX | No CONTAINERS | SAMPLE TYPE (C= COMP, G= GRAB) | Preservatives Used | Analysis Required (3) SPLP (Pendry) (Volatiles, semi-volatiles, metals) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 12 | SB-14 (2-3') | 6.5.12 | 1030 | SOIL | 2 | G | | | Hold sample material for pending analysis. Potential analysis determination following review of other submitted samples |
| 13 | SB-15 (2-3') | ↓ | 1150 | ↓ | ↓ | ↓ | | | |
| 14 | SB-16 (2-3') | | 1320 | | | | | | |
| 15 | SB-17 (2-3') | | 1300 | | | | | | |
| 16 | SB-18 (2-3') | | 1330 | | 1 | | | | |
| 17 | SB-19 (2-3') | | 0940 | | 1 | | | | |

(5)

| Collected/Relinquished By:(1) | Date | Time | Received By: |
|---|---|---|---|
| Corey D. Jutrel | 6/6/12 | 1011 | [illegible] |
| Relinquished By: (2) | Date | Time | Received By: |
| | | | |
| Relinquished By: (3) | Date | Time | Received By: |
| | | | |
| Relinquished By: (4) | Date | Time | Received By: |
| | | | |

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature°C: 2.0

Special Deliverable Requirements: Summary EDD

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions: Please report any low runs, Screening ok.

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☒ STD

☐ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
☒ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

# SGS North America Inc.

Sample Receipt Checklist (SRC)

Client: **Catlin** Work Order No.: **31201737**

1. ___ Shipped
   x Hand Delivered

2. x COC Present on Receipt
   ___ No COC
   ___ Additional Transmittal Forms

3. x Custody Tape on Container
   ___ No Custody Tape

4. x Samples Intact
   ___ Samples Broken / Leaking

5. x Chilled on Receipt Actual Temp.(s) in °C: 2
   ___ Ambient on Receipt
   ___ Walk-in on Ice; Coming down to temp.
   ___ Received Outside of Temperature Specifications

6. x Sufficient Sample Submitted
   ___ Insufficient Sample Submitted

7. ___ Chlorine absent
   ___ HNO3 < 2
   ___ HCL < 2
   ___ Additional Preservatives verified (see notes)

8. x Received Within Holding Time
   ___ Not Received Within Holding Time

9. x No Discrepancies Noted
   ___ Discrepancies Noted
   ___ NCDENR notified of Descrepancies*

10. ___ No Headspace present in VOC vials
    ___ Headspace present in VOC vials >6mm

Notes:

Comments:

Inspected and Logged in by: [illegible]
Date: 6/6/12



*NCDENR must be notified when collection, holding time or preservation requirements are not met. MI_11.6

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(704)875-9092

January 23, 2013

Rick Garrett
CATLIN Engineers and Scientist
220 Old Dairy Rd.
Wilmington, NC 28405

RE: Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

Dear Rick Garrett:
Enclosed are the analytical results for sample(s) received by the laboratory on January 10, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Herring for
Angela Baioni
angela.baioni@pacelabs.com
Project Manager

Enclosures

cc: Shelia Smith, CATLIN Engineers and Scientists



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# CERTIFICATIONS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

**Ormond Beach Certification IDs**
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pace Analytical Services - Ormond certification number E83509
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

**Charlotte Certification IDs**
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

**Asheville Certification IDs**
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222



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## SAMPLE SUMMARY

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **92144392001** | **SB-23 (2-3')** | Solid | 01/07/13 11:15 | 01/10/13 09:45 |
| **92144392002** | **SB-24 (2-3')** | Solid | 01/07/13 11:30 | 01/10/13 09:45 |
| **92144392003** | **SB-25 (2-3')** | Solid | 01/07/13 11:35 | 01/10/13 09:45 |
| **92144392004** | **SB-26 (0-1')** | Solid | 01/07/13 12:00 | 01/10/13 09:45 |
| **92144392005** | **SB-27 (1-2')** | Solid | 01/07/13 12:15 | 01/10/13 09:45 |
| **92144392006** | **SB-28 (0-1')** | Solid | 01/07/13 12:30 | 01/10/13 09:45 |
| **92144392007** | **SB-22 (2-3')** | Solid | 01/07/13 13:45 | 01/10/13 09:45 |
| **92144392008** | **SB-21 (2-3')** | Solid | 01/07/13 14:00 | 01/10/13 09:45 |
| **92144392009** | **SB-20 (2-3')** | Solid | 01/07/13 14:30 | 01/10/13 09:45 |



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# SAMPLE ANALYTE COUNT

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **92144392001** | **SB-23 (2-3')** | EPA 6010 | JMW | 1 | PASI-A |
| | | EPA 6020 | HEA | 3 | PASI-O |
| | | EPA 7471 | SH1 | 1 | PASI-A |
| | | EPA 8270 | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| | | Trivalent Chromium Calculation | EWS | 1 | PASI-A |
| | | EPA 7196 | SAE | 1 | PASI-A |
| **92144392002** | **SB-24 (2-3')** | EPA 6010 | JMW | 1 | PASI-A |
| | | EPA 6020 | DRS, HEA | 3 | PASI-O |
| | | EPA 7471 | SH1 | 1 | PASI-A |
| | | EPA 8270 | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| | | Trivalent Chromium Calculation | EWS | 1 | PASI-A |
| | | EPA 7196 | SAE | 1 | PASI-A |
| **92144392003** | **SB-25 (2-3')** | EPA 6010 | JMW | 1 | PASI-A |
| | | EPA 6020 | HEA | 3 | PASI-O |
| | | EPA 7471 | SH1 | 1 | PASI-A |
| | | EPA 8270 | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| | | Trivalent Chromium Calculation | EWS | 1 | PASI-A |
| | | EPA 7196 | SAE | 1 | PASI-A |
| **92144392004** | **SB-26 (0-1')** | EPA 6010 | JMW | 1 | PASI-A |
| | | EPA 6020 | DRS, HEA | 3 | PASI-O |
| | | EPA 7471 | SH1 | 1 | PASI-A |
| | | EPA 8270 | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| | | Trivalent Chromium Calculation | EWS | 1 | PASI-A |
| | | EPA 7196 | SAE | 1 | PASI-A |
| **92144392005** | **SB-27 (1-2')** | EPA 6010 | JMW | 1 | PASI-A |
| | | EPA 6020 | HEA | 3 | PASI-O |
| | | EPA 7471 | SH1 | 1 | PASI-A |
| | | EPA 8270 | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| | | Trivalent Chromium Calculation | EWS | 1 | PASI-A |
| | | EPA 7196 | SAE | 1 | PASI-A |
| **92144392006** | **SB-28 (0-1')** | EPA 6010 | JMW | 1 | PASI-A |
| | | EPA 6020 | DRS, HEA | 3 | PASI-O |



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# SAMPLE ANALYTE COUNT

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| | | EPA 7471 | SH1 | 1 | PASI-A |
| | | EPA 8270 | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| | | Trivalent Chromium Calculation | EWS | 1 | PASI-A |
| | | EPA 7196 | SAE | 1 | PASI-A |
| **92144392007** | **SB-22 (2-3')** | EPA 6020 | HEA | 2 | PASI-O |
| | | EPA 8270 | BPJ | 21 | PASI-C |
| | | EPA 8260 | DLK | 5 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92144392008** | **SB-21 (2-3')** | EPA 8270 | BPJ | 21 | PASI-C |
| | | EPA 8260 | DLK | 5 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92144392009** | **SB-20 (2-3')** | EPA 8270 | BPJ | 21 | PASI-C |
| | | EPA 8260 | DLK | 5 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

**Sample: SB-23 (2-3')** **Lab ID: 92144392001** Collected: 01/07/13 11:15 Received: 01/10/13 09:45 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 MET ICP** | Analytical Method: EPA 6010 | | Preparation Method: EPA 3050 | | | | | | |
| Chromium | **0.52J** | mg/kg | 0.60 | 0.036 | 1 | 01/14/13 21:30 | 01/15/13 16:57 | 7440-47-3 | |
| **6020 MET ICPMS** | Analytical Method: EPA 6020 | | Preparation Method: EPA 3020 | | | | | | |
| Arsenic | ND | mg/kg | 0.62 | 0.31 | 10 | 01/14/13 17:19 | 01/15/13 16:48 | 7440-38-2 | |
| Lead | **48.1** | mg/kg | 0.62 | 0.31 | 10 | 01/14/13 17:19 | 01/15/13 16:48 | 7439-92-1 | |
| Manganese | **4.3** | mg/kg | 0.62 | 0.41 | 10 | 01/14/13 17:19 | 01/15/13 16:48 | 7439-96-5 | |
| **7471 Mercury** | Analytical Method: EPA 7471 | | Preparation Method: EPA 7471 | | | | | | |
| Mercury | **0.049** | mg/kg | 0.0057 | 0.00011 | 1 | 01/18/13 12:30 | 01/21/13 14:12 | 7439-97-6 | |
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 | | Preparation Method: EPA 3546 | | | | | | |
| Acenaphthene | ND | ug/kg | 411 | 94.6 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 411 | 97.0 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 208-96-8 | |
| Anthracene | ND | ug/kg | 411 | 92.1 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 411 | 75.9 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 411 | 78.4 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 411 | 70.9 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 411 | 105 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 411 | 80.9 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 207-08-9 | |
| Chrysene | ND | ug/kg | 411 | 54.7 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 411 | 87.1 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 411 | 59.7 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 206-44-0 | |
| Fluorene | ND | ug/kg | 411 | 84.6 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 411 | 84.6 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 411 | 107 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 411 | 88.3 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 411 | 101 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 411 | 68.4 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 85-01-8 | |
| Pyrene | ND | ug/kg | 411 | 69.7 | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 72 | % | 23-110 | | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 64 | % | 30-110 | | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 321-60-8 | |
| Terphenyl-d14 (S) | 51 | % | 28-110 | | 1 | 01/10/13 14:20 | 01/14/13 18:07 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **19.6** | % | 0.10 | 0.10 | 1 | | 01/11/13 08:38 | | |
| **Trivalent Chromium Calculation** | Analytical Method: Trivalent Chromium Calculation | | | | | | | | |
| Chromium, Trivalent | ND | mg/kg | 5.0 | 5.0 | 1 | | 01/23/13 12:16 | 16065-83-1 | |
| **7196 Chromium, Hexavalent** | Analytical Method: EPA 7196 | | Preparation Method: EPA 7196 Modified | | | | | | |
| Chromium, Hexavalent | ND | mg/kg | 5.3 | 5.3 | 1 | 01/22/13 10:26 | 01/22/13 11:49 | 18540-29-9 | |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

**Sample: SB-24 (2-3')** **Lab ID: 92144392002** Collected: 01/07/13 11:30 Received: 01/10/13 09:45 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 MET ICP** | Analytical Method: EPA 6010 | | Preparation Method: EPA 3050 | | | | | | |
| Chromium | **5.6** | mg/kg | 0.53 | 0.032 | 1 | 01/14/13 21:30 | 01/15/13 17:00 | 7440-47-3 | |
| **6020 MET ICPMS** | Analytical Method: EPA 6020 | | Preparation Method: EPA 3020 | | | | | | |
| Arsenic | **2.5** | mg/kg | 0.58 | 0.29 | 10 | 01/14/13 17:19 | 01/15/13 16:51 | 7440-38-2 | |
| Lead | **398** | mg/kg | 1.2 | 0.58 | 20 | 01/14/13 17:19 | 01/15/13 20:07 | 7439-92-1 | D4 |
| Manganese | **40.4** | mg/kg | 0.58 | 0.38 | 10 | 01/14/13 17:19 | 01/15/13 16:51 | 7439-96-5 | |
| **7471 Mercury** | Analytical Method: EPA 7471 | | Preparation Method: EPA 7471 | | | | | | |
| Mercury | **0.26** | mg/kg | 0.048 | 0.00096 | 10 | 01/18/13 12:30 | 01/21/13 15:42 | 7439-97-6 | |
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 | | Preparation Method: EPA 3546 | | | | | | |
| Acenaphthene | ND | ug/kg | 391 | 90.0 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 391 | 92.3 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 208-96-8 | |
| Anthracene | ND | ug/kg | 391 | 87.6 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 391 | 72.2 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 391 | 74.6 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 391 | 67.5 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 391 | 99.4 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 391 | 77.0 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 207-08-9 | |
| Chrysene | ND | ug/kg | 391 | 52.1 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 391 | 82.9 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 391 | 56.8 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 206-44-0 | |
| Fluorene | ND | ug/kg | 391 | 80.5 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 391 | 80.5 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 391 | 102 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 391 | 84.1 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 391 | 95.9 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 391 | 65.1 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 85-01-8 | |
| Pyrene | ND | ug/kg | 391 | 66.3 | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 62 | % | 23-110 | | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 53 | % | 30-110 | | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 321-60-8 | |
| Terphenyl-d14 (S) | 57 | % | 28-110 | | 1 | 01/10/13 14:20 | 01/14/13 14:23 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **15.5** | % | 0.10 | 0.10 | 1 | | 01/11/13 08:38 | | |
| **Trivalent Chromium Calculation** | Analytical Method: Trivalent Chromium Calculation | | | | | | | | |
| Chromium, Trivalent | **5.6** | mg/kg | 5.0 | 5.0 | 1 | | 01/23/13 12:16 | 16065-83-1 | |
| **7196 Chromium, Hexavalent** | Analytical Method: EPA 7196 | | Preparation Method: EPA 7196 Modified | | | | | | |
| Chromium, Hexavalent | ND | mg/kg | 5.7 | 5.7 | 1 | 01/22/13 10:26 | 01/22/13 11:49 | 18540-29-9 | |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

**Sample: SB-25 (2-3')** **Lab ID: 92144392003** Collected: 01/07/13 11:35 Received: 01/10/13 09:45 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 MET ICP** | Analytical Method: EPA 6010 | | Preparation Method: EPA 3050 | | | | | | |
| Chromium | **1.4** | mg/kg | 0.54 | 0.032 | 1 | 01/14/13 21:30 | 01/15/13 17:03 | 7440-47-3 | |
| **6020 MET ICPMS** | Analytical Method: EPA 6020 | | Preparation Method: EPA 3020 | | | | | | |
| Arsenic | **0.49J** | mg/kg | 0.55 | 0.27 | 10 | 01/14/13 17:19 | 01/15/13 17:36 | 7440-38-2 | |
| Lead | **68.2** | mg/kg | 0.55 | 0.27 | 10 | 01/14/13 17:19 | 01/15/13 17:36 | 7439-92-1 | |
| Manganese | **12.1** | mg/kg | 0.55 | 0.36 | 10 | 01/14/13 17:19 | 01/15/13 17:36 | 7439-96-5 | |
| **7471 Mercury** | Analytical Method: EPA 7471 | | Preparation Method: EPA 7471 | | | | | | |
| Mercury | **0.021** | mg/kg | 0.0057 | 0.00011 | 1 | 01/18/13 12:30 | 01/21/13 14:19 | 7439-97-6 | |
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 | | Preparation Method: EPA 3546 | | | | | | |
| Acenaphthene | ND | ug/kg | 377 | 86.9 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 377 | 89.2 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 208-96-8 | |
| Anthracene | ND | ug/kg | 377 | 84.6 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 377 | 69.7 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 377 | 72.0 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 377 | 65.2 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 377 | 96.0 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 377 | 74.3 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 207-08-9 | |
| Chrysene | ND | ug/kg | 377 | 50.3 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 377 | 80.0 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 377 | 54.9 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 206-44-0 | |
| Fluorene | ND | ug/kg | 377 | 77.7 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 377 | 77.7 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 377 | 98.3 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 377 | 81.2 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 377 | 92.6 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 377 | 62.9 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 85-01-8 | |
| Pyrene | ND | ug/kg | 377 | 64.0 | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 75 | % | 23-110 | | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 52 | % | 30-110 | | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 321-60-8 | |
| Terphenyl-d14 (S) | 49 | % | 28-110 | | 1 | 01/10/13 14:20 | 01/14/13 14:55 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **12.5** | % | 0.10 | 0.10 | 1 | | 01/11/13 08:38 | | |
| **Trivalent Chromium Calculation** | Analytical Method: Trivalent Chromium Calculation | | | | | | | | |
| Chromium, Trivalent | ND | mg/kg | 5.0 | 5.0 | 1 | | 01/23/13 12:16 | 16065-83-1 | |
| **7196 Chromium, Hexavalent** | Analytical Method: EPA 7196 | | Preparation Method: EPA 7196 Modified | | | | | | |
| Chromium, Hexavalent | ND | mg/kg | 6.1 | 6.1 | 1 | 01/22/13 10:26 | 01/22/13 11:49 | 18540-29-9 | |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

**Sample: SB-26 (0-1')** **Lab ID: 92144392004** Collected: 01/07/13 12:00 Received: 01/10/13 09:45 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 MET ICP** | Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | |
| Chromium | **73.1** | mg/kg | 0.62 | 0.037 | 1 | 01/14/13 21:30 | 01/15/13 17:06 | 7440-47-3 | |
| **6020 MET ICPMS** | Analytical Method: EPA 6020 Preparation Method: EPA 3020 | | | | | | | | |
| Arsenic | **0.96** | mg/kg | 0.61 | 0.30 | 10 | 01/14/13 17:19 | 01/15/13 16:58 | 7440-38-2 | |
| Lead | **696** | mg/kg | 3.0 | 1.5 | 50 | 01/14/13 17:19 | 01/15/13 20:10 | 7439-92-1 | D4 |
| Manganese | **40.7** | mg/kg | 0.61 | 0.40 | 10 | 01/14/13 17:19 | 01/15/13 16:58 | 7439-96-5 | |
| **7471 Mercury** | Analytical Method: EPA 7471 Preparation Method: EPA 7471 | | | | | | | | |
| Mercury | **0.21** | mg/kg | 0.030 | 0.00060 | 5 | 01/18/13 12:30 | 01/21/13 15:44 | 7439-97-6 | |
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 4090 | 941 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 4090 | 966 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 208-96-8 | |
| Anthracene | ND | ug/kg | 4090 | 916 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 4090 | 755 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 4090 | 780 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 4090 | 706 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 4090 | 1040 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 4090 | 805 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 207-08-9 | |
| Chrysene | ND | ug/kg | 4090 | 545 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 4090 | 867 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 4090 | 594 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 206-44-0 | |
| Fluorene | ND | ug/kg | 4090 | 842 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 4090 | 842 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 4090 | 1070 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 4090 | 879 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 4090 | 1000 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 4090 | 681 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 85-01-8 | |
| Pyrene | ND | ug/kg | 4090 | 694 | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 23-110 | | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 4165-60-0 | D3,S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 30-110 | | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 28-110 | | 10 | 01/10/13 14:20 | 01/15/13 16:00 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **19.3** | % | 0.10 | 0.10 | 1 | | 01/11/13 08:39 | | |
| **Trivalent Chromium Calculation** | Analytical Method: Trivalent Chromium Calculation | | | | | | | | |
| Chromium, Trivalent | **71.3** | mg/kg | 5.0 | 5.0 | 1 | | 01/23/13 12:16 | 16065-83-1 | |
| **7196 Chromium, Hexavalent** | Analytical Method: EPA 7196 Preparation Method: EPA 7196 Modified | | | | | | | | |
| Chromium, Hexavalent | ND | mg/kg | 5.3 | 5.3 | 1 | 01/22/13 10:26 | 01/22/13 11:49 | 18540-29-9 | |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

**Sample: SB-27 (1-2')** **Lab ID: 92144392005** Collected: 01/07/13 12:15 Received: 01/10/13 09:45 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 MET ICP** | Analytical Method: EPA 6010 | | Preparation Method: EPA 3050 | | | | | | |
| Chromium | **6.8** | mg/kg | 0.50 | 0.030 | 1 | 01/14/13 21:30 | 01/15/13 17:09 | 7440-47-3 | |
| **6020 MET ICPMS** | Analytical Method: EPA 6020 | | Preparation Method: EPA 3020 | | | | | | |
| Arsenic | **0.53J** | mg/kg | 0.61 | 0.30 | 10 | 01/14/13 17:19 | 01/15/13 17:01 | 7440-38-2 | |
| Lead | **121** | mg/kg | 0.61 | 0.30 | 10 | 01/14/13 17:19 | 01/15/13 17:01 | 7439-92-1 | |
| Manganese | **43.3** | mg/kg | 0.61 | 0.40 | 10 | 01/14/13 17:19 | 01/15/13 17:01 | 7439-96-5 | |
| **7471 Mercury** | Analytical Method: EPA 7471 | | Preparation Method: EPA 7471 | | | | | | |
| Mercury | **0.26** | mg/kg | 0.027 | 0.00055 | 5 | 01/18/13 12:30 | 01/21/13 15:47 | 7439-97-6 | |
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 | | Preparation Method: EPA 3546 | | | | | | |
| Acenaphthene | ND | ug/kg | 4100 | 945 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 4100 | 970 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 208-96-8 | |
| Anthracene | ND | ug/kg | 4100 | 920 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 4100 | 759 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 4100 | 783 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 4100 | 709 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 4100 | 1040 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 4100 | 808 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 207-08-9 | |
| Chrysene | ND | ug/kg | 4100 | 547 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 4100 | 870 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 4100 | 597 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 206-44-0 | |
| Fluorene | ND | ug/kg | 4100 | 846 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 4100 | 846 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 4100 | 1070 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 4100 | 883 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 4100 | 1010 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 4100 | 684 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 85-01-8 | |
| Pyrene | ND | ug/kg | 4100 | 696 | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 23-110 | | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 4165-60-0 | D3,S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 30-110 | | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 28-110 | | 10 | 01/10/13 14:20 | 01/15/13 16:31 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **19.6** | % | 0.10 | 0.10 | 1 | | 01/11/13 08:39 | | |
| **Trivalent Chromium Calculation** | Analytical Method: Trivalent Chromium Calculation | | | | | | | | |
| Chromium, Trivalent | **6.8** | mg/kg | 5.0 | 5.0 | 1 | | 01/23/13 12:16 | 16065-83-1 | |
| **7196 Chromium, Hexavalent** | Analytical Method: EPA 7196 | | Preparation Method: EPA 7196 Modified | | | | | | |
| Chromium, Hexavalent | ND | mg/kg | 5.9 | 5.9 | 1 | 01/22/13 10:26 | 01/22/13 11:49 | 18540-29-9 | |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

**Sample: SB-28 (0-1')** **Lab ID: 92144392006** Collected: 01/07/13 12:30 Received: 01/10/13 09:45 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 MET ICP** | Analytical Method: EPA 6010 | | Preparation Method: EPA 3050 | | | | | | |
| Chromium | **8.8** | mg/kg | 0.48 | 0.029 | 1 | 01/14/13 21:30 | 01/15/13 17:22 | 7440-47-3 | |
| **6020 MET ICPMS** | Analytical Method: EPA 6020 | | Preparation Method: EPA 3020 | | | | | | |
| Arsenic | **2.4** | mg/kg | 0.58 | 0.29 | 10 | 01/14/13 17:19 | 01/15/13 17:04 | 7440-38-2 | |
| Lead | **390** | mg/kg | 1.2 | 0.58 | 20 | 01/14/13 17:19 | 01/15/13 20:13 | 7439-92-1 | D4 |
| Manganese | **183** | mg/kg | 0.58 | 0.39 | 10 | 01/14/13 17:19 | 01/15/13 17:04 | 7439-96-5 | |
| **7471 Mercury** | Analytical Method: EPA 7471 | | Preparation Method: EPA 7471 | | | | | | |
| Mercury | **1.7** | mg/kg | 0.11 | 0.0021 | 20 | 01/18/13 12:30 | 01/21/13 16:17 | 7439-97-6 | |
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 | | Preparation Method: EPA 3546 | | | | | | |
| Acenaphthene | ND | ug/kg | 399 | 92.0 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 399 | 94.4 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 208-96-8 | |
| Anthracene | ND | ug/kg | 399 | 89.6 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 399 | 73.8 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 399 | 76.2 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 399 | 69.0 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 399 | 102 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 399 | 78.7 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 207-08-9 | |
| Chrysene | **69.8J** | ug/kg | 399 | 53.2 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 399 | 84.7 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 53-70-3 | |
| Fluoranthene | **149J** | ug/kg | 399 | 58.1 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 206-44-0 | |
| Fluorene | ND | ug/kg | 399 | 82.3 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 399 | 82.3 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 399 | 104 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 399 | 85.9 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 399 | 98.0 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 91-20-3 | |
| Phenanthrene | **83.1J** | ug/kg | 399 | 66.6 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 85-01-8 | |
| Pyrene | **127J** | ug/kg | 399 | 67.8 | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 70 | % | 23-110 | | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 42 | % | 30-110 | | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 321-60-8 | |
| Terphenyl-d14 (S) | 40 | % | 28-110 | | 1 | 01/10/13 14:20 | 01/14/13 15:27 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **17.4** | % | 0.10 | 0.10 | 1 | | 01/11/13 08:39 | | |
| **Trivalent Chromium Calculation** | Analytical Method: Trivalent Chromium Calculation | | | | | | | | |
| Chromium, Trivalent | **8.8** | mg/kg | 5.0 | 5.0 | 1 | | 01/23/13 12:16 | 16065-83-1 | |
| **7196 Chromium, Hexavalent** | Analytical Method: EPA 7196 | | Preparation Method: EPA 7196 Modified | | | | | | |
| Chromium, Hexavalent | ND | mg/kg | 4.8 | 4.8 | 1 | 01/22/13 10:26 | 01/22/13 11:49 | 18540-29-9 | |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

**Sample: SB-22 (2-3')** **Lab ID: 92144392007** Collected: 01/07/13 13:45 Received: 01/10/13 09:45 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6020 MET ICPMS** | Analytical Method: EPA 6020 | | Preparation Method: EPA 3020 | | | | | | |
| Lead | **0.93** | mg/kg | 0.55 | 0.27 | 10 | 01/14/13 17:19 | 01/15/13 17:08 | 7439-92-1 | |
| Manganese | **1.6** | mg/kg | 0.55 | 0.36 | 10 | 01/14/13 17:19 | 01/15/13 17:08 | 7439-96-5 | |
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 | | Preparation Method: EPA 3546 | | | | | | |
| Acenaphthene | ND | ug/kg | 376 | 86.6 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 376 | 88.9 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 208-96-8 | |
| Anthracene | ND | ug/kg | 376 | 84.3 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 376 | 69.5 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 376 | 71.8 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 376 | 65.0 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 376 | 95.7 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 376 | 74.1 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 207-08-9 | |
| Chrysene | ND | ug/kg | 376 | 50.2 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 376 | 79.8 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 376 | 54.7 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 206-44-0 | |
| Fluorene | ND | ug/kg | 376 | 77.5 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 376 | 77.5 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 376 | 98.0 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 376 | 80.9 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 376 | 92.3 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 376 | 62.7 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 85-01-8 | |
| Pyrene | ND | ug/kg | 376 | 63.8 | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 68 | % | 23-110 | | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 49 | % | 30-110 | | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 321-60-8 | |
| Terphenyl-d14 (S) | 25 | % | 28-110 | | 1 | 01/10/13 14:20 | 01/14/13 15:59 | 1718-51-0 | S0 |
| **8260/5035A Volatile Organics** | Analytical Method: EPA 8260 | | | | | | | | |
| p-Isopropyltoluene | ND | ug/kg | 4.9 | 1.7 | 1 | | 01/16/13 22:32 | 99-87-6 | 1g |
| ***Surrogates*** | | | | | | | | | |
| Dibromofluoromethane (S) | 99 | % | 70-130 | | 1 | | 01/16/13 22:32 | 1868-53-7 | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 01/16/13 22:32 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 81 | % | 70-130 | | 1 | | 01/16/13 22:32 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 101 | % | 70-132 | | 1 | | 01/16/13 22:32 | 17060-07-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **12.3** | % | 0.10 | 0.10 | 1 | | 01/11/13 08:39 | | |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

**Sample: SB-21 (2-3')** **Lab ID: 92144392008** Collected: 01/07/13 14:00 Received: 01/10/13 09:45 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | **242J** | ug/kg | 374 | 86.2 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 374 | 88.4 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 208-96-8 | |
| Anthracene | **490** | ug/kg | 374 | 83.9 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 120-12-7 | |
| Benzo(a)anthracene | **794** | ug/kg | 374 | 69.2 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 56-55-3 | |
| Benzo(a)pyrene | **689** | ug/kg | 374 | 71.4 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 50-32-8 | |
| Benzo(b)fluoranthene | **564** | ug/kg | 374 | 64.6 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 205-99-2 | |
| Benzo(g,h,i)perylene | **385** | ug/kg | 374 | 95.2 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 191-24-2 | |
| Benzo(k)fluoranthene | **495** | ug/kg | 374 | 73.7 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 207-08-9 | |
| Chrysene | **748** | ug/kg | 374 | 49.9 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 374 | 79.4 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 53-70-3 | |
| Fluoranthene | **2350** | ug/kg | 374 | 54.4 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 206-44-0 | |
| Fluorene | **276J** | ug/kg | 374 | 77.1 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **366J** | ug/kg | 374 | 77.1 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 374 | 97.5 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 90-12-0 | |
| 2-Methylnaphthalene | **86.9J** | ug/kg | 374 | 80.5 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 91-57-6 | |
| Naphthalene | **141J** | ug/kg | 374 | 91.8 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 91-20-3 | |
| Phenanthrene | **1630** | ug/kg | 374 | 62.4 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 85-01-8 | |
| Pyrene | **1300** | ug/kg | 374 | 63.5 | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 60 | % | 23-110 | | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 46 | % | 30-110 | | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 321-60-8 | |
| Terphenyl-d14 (S) | 32 | % | 28-110 | | 1 | 01/10/13 14:20 | 01/14/13 19:43 | 1718-51-0 | |
| **8260/5035A Volatile Organics** | Analytical Method: EPA 8260 | | | | | | | | |
| p-Isopropyltoluene | ND | ug/kg | 5.4 | 1.8 | 1 | | 01/16/13 22:50 | 99-87-6 | IO |
| ***Surrogates*** | | | | | | | | | |
| Dibromofluoromethane (S) | 113 | % | 70-130 | | 1 | | 01/16/13 22:50 | 1868-53-7 | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | | 01/16/13 22:50 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 80 | % | 70-130 | | 1 | | 01/16/13 22:50 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 133 | % | 70-132 | | 1 | | 01/16/13 22:50 | 17060-07-0 | S3 |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **11.8** | % | 0.10 | 0.10 | 1 | | 01/11/13 08:39 | | |

**Sample: SB-20 (2-3')** **Lab ID: 92144392009** Collected: 01/07/13 14:30 Received: 01/10/13 09:45 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 379 | 87.4 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 379 | 89.7 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 208-96-8 | |
| Anthracene | ND | ug/kg | 379 | 85.1 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 120-12-7 | |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

**Sample: SB-20 (2-3')** **Lab ID: 92144392009** Collected: 01/07/13 14:30 Received: 01/10/13 09:45 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | |
| Benzo(a)anthracene | ND | ug/kg | 379 | 70.1 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 379 | 72.4 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 379 | 65.5 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 379 | 96.6 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 379 | 74.7 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 207-08-9 | |
| Chrysene | ND | ug/kg | 379 | 50.6 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 379 | 80.5 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 379 | 55.2 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 206-44-0 | |
| Fluorene | ND | ug/kg | 379 | 78.2 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 379 | 78.2 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 379 | 98.9 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 379 | 81.6 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 379 | 93.1 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 379 | 63.2 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 85-01-8 | |
| Pyrene | ND | ug/kg | 379 | 64.4 | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 64 | % | 23-110 | | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 54 | % | 30-110 | | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 321-60-8 | |
| Terphenyl-d14 (S) | 31 | % | 28-110 | | 1 | 01/10/13 14:20 | 01/14/13 16:31 | 1718-51-0 | |
| **8260/5035A Volatile Organics** | Analytical Method: EPA 8260 | | | | | | | | |
| p-Isopropyltoluene | ND | ug/kg | 4.0 | 1.4 | 1 | | 01/18/13 14:58 | 99-87-6 | IO |
| ***Surrogates*** | | | | | | | | | |
| Dibromofluoromethane (S) | 113 | % | 70-130 | | 1 | | 01/18/13 14:58 | 1868-53-7 | |
| Toluene-d8 (S) | 97 | % | 70-130 | | 1 | | 01/18/13 14:58 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 80 | % | 70-130 | | 1 | | 01/18/13 14:58 | 460-00-4 | |
| 1,2-Dichloroethane-d4 (S) | 121 | % | 70-132 | | 1 | | 01/18/13 14:58 | 17060-07-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **13.0** | % | 0.10 | 0.10 | 1 | | 01/11/13 08:39 | | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

QC Batch: MERP/4845 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006

METHOD BLANK: 907801 Matrix: Solid
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Mercury | mg/kg | ND | 0.0050 | 01/21/13 13:11 | |

LABORATORY CONTROL SAMPLE: 907802

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Mercury | mg/kg | .067 | 0.054 | 80 | 80-120 | |

MATRIX SPIKE SAMPLE: 907803

| Parameter | Units | 92144308002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| Mercury | mg/kg | 0.80 | .069 | 0.70 | -152 | 75-125 | M6 |

SAMPLE DUPLICATE: 907804

| Parameter | Units | 92144685001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Mercury | mg/kg | 0.018 | 0.017 | 3 | 20 | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

QC Batch: MPRP/12381 — Analysis Method: EPA 6010
QC Batch Method: EPA 3050 — Analysis Description: 6010 MET
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006

METHOD BLANK: 905129 — Matrix: Solid
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Chromium | mg/kg | ND | 0.50 | 01/15/13 16:02 | |

LABORATORY CONTROL SAMPLE: 905130

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Chromium | mg/kg | 50 | 48.7 | 97 | 80-120 | |

MATRIX SPIKE SAMPLE: 905131

| Parameter | Units | 92144342004 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| Chromium | mg/kg | 7.7 | 54.8 | 57.3 | 91 | 75-125 | |

SAMPLE DUPLICATE: 905132

| Parameter | Units | 92144342005 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Chromium | mg/kg | 8.6 | 6.9 | 23 | 20 | D6 |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

QC Batch: MPRP/11822 — Analysis Method: EPA 6020
QC Batch Method: EPA 3020 — Analysis Description: 6020 MET
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006, 92144392007

METHOD BLANK: 542532 — Matrix: Solid
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006, 92144392007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Arsenic | mg/kg | ND | 0.049 | 01/15/13 16:24 | |
| Lead | mg/kg | ND | 0.049 | 01/15/13 16:24 | |
| Manganese | mg/kg | ND | 0.049 | 01/15/13 16:24 | |

LABORATORY CONTROL SAMPLE: 542533

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Arsenic | mg/kg | 2.5 | 2.7 | 106 | 80-120 | |
| Lead | mg/kg | 2.5 | 2.5 | 102 | 80-120 | |
| Manganese | mg/kg | 2.5 | 2.7 | 107 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 542534 542535

| Parameter | Units | 92144308003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | mg/kg | ND | 2.3 | 2.4 | 2.4 | 2.3 | 96 | 86 | 70-130 | 4 | 20 | |
| Lead | mg/kg | 13.2 | 2.3 | 2.4 | 13.0 | 11.7 | -11 | -62 | 70-130 | 10 | 20 | M6 |
| Manganese | mg/kg | 6.9 | 2.3 | 2.4 | 8.7 | 8.0 | 78 | 43 | 70-130 | 9 | 20 | M6 |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

QC Batch: MSV/21725
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92144392007

METHOD BLANK: 906198
Matrix: Solid
Associated Lab Samples: 92144392007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| p-Isopropyltoluene | ug/kg | ND | 4.3 | 01/16/13 16:22 | |
| 1,2-Dichloroethane-d4 (S) | % | 114 | 70-132 | 01/16/13 16:22 | |
| 4-Bromofluorobenzene (S) | % | 101 | 70-130 | 01/16/13 16:22 | |
| Dibromofluoromethane (S) | % | 117 | 70-130 | 01/16/13 16:22 | |
| Toluene-d8 (S) | % | 101 | 70-130 | 01/16/13 16:22 | |

LABORATORY CONTROL SAMPLE: 906199

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| p-Isopropyltoluene | ug/kg | 50.9 | 49.0 | 96 | 70-148 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 106 | 70-132 | |
| 4-Bromofluorobenzene (S) | % | | | 101 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 119 | 70-130 | |
| Toluene-d8 (S) | % | | | 101 | 70-130 | |

MATRIX SPIKE SAMPLE: 906942

| Parameter | Units | 92144627011 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 (S) | % | | | | 71 | 70-132 | S0 |
| 4-Bromofluorobenzene (S) | % | | | | 82 | 70-130 | |
| Dibromofluoromethane (S) | % | | | | 86 | 70-130 | |
| Toluene-d8 (S) | % | | | | 95 | 70-130 | |

SAMPLE DUPLICATE: 906941

| Parameter | Units | 92144627003 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| p-Isopropyltoluene | ug/kg | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 105 | 102 | 39 | | |
| 4-Bromofluorobenzene (S) | % | 97 | 94 | 38 | | |
| Dibromofluoromethane (S) | % | 116 | 117 | 35 | | |
| Toluene-d8 (S) | % | 101 | 101 | 35 | | |



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(704)875-9092

# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

QC Batch: MSV/21729
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92144392008

METHOD BLANK: 906539
Matrix: Solid
Associated Lab Samples: 92144392008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| p-Isopropyltoluene | ug/kg | ND | 4.9 | 01/16/13 16:04 | |
| 1,2-Dichloroethane-d4 (S) | % | 121 | 70-132 | 01/16/13 16:04 | |
| 4-Bromofluorobenzene (S) | % | 98 | 70-130 | 01/16/13 16:04 | |
| Dibromofluoromethane (S) | % | 113 | 70-130 | 01/16/13 16:04 | |
| Toluene-d8 (S) | % | 99 | 70-130 | 01/16/13 16:04 | |

LABORATORY CONTROL SAMPLE: 906540

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| p-Isopropyltoluene | ug/kg | 54 | 54.9 | 102 | 70-148 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 113 | 70-132 | |
| 4-Bromofluorobenzene (S) | % | | | 102 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 106 | 70-130 | |
| Toluene-d8 (S) | % | | | 98 | 70-130 | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

QC Batch: MSV/21752
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92144392009

METHOD BLANK: 907831
Matrix: Solid
Associated Lab Samples: 92144392009

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| p-Isopropyltoluene | ug/kg | ND | 5.1 | 01/18/13 11:17 | |
| 1,2-Dichloroethane-d4 (S) | % | 120 | 70-132 | 01/18/13 11:17 | |
| 4-Bromofluorobenzene (S) | % | 100 | 70-130 | 01/18/13 11:17 | |
| Dibromofluoromethane (S) | % | 108 | 70-130 | 01/18/13 11:17 | |
| Toluene-d8 (S) | % | 103 | 70-130 | 01/18/13 11:17 | |

LABORATORY CONTROL SAMPLE: 907832

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| p-Isopropyltoluene | ug/kg | 47 | 50.7 | 108 | 70-148 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 108 | 70-132 | |
| 4-Bromofluorobenzene (S) | % | | | 99 | 70-130 | |
| Dibromofluoromethane (S) | % | | | 101 | 70-130 | |
| Toluene-d8 (S) | % | | | 98 | 70-130 | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

QC Batch: OEXT/20330 | Analysis Method: EPA 8270
QC Batch Method: EPA 3546 | Analysis Description: 8270 Solid MSSV Microwave PAH
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006, 92144392007, 92144392008, 92144392009

METHOD BLANK: 903306 | Matrix: Solid
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006, 92144392007, 92144392008, 92144392009

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| 2-Methylnaphthalene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Acenaphthene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Acenaphthylene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Anthracene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Benzo(a)anthracene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Benzo(a)pyrene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Benzo(b)fluoranthene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Benzo(g,h,i)perylene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Benzo(k)fluoranthene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Chrysene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Dibenz(a,h)anthracene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Fluoranthene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Fluorene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Naphthalene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Phenanthrene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Pyrene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| 2-Fluorobiphenyl (S) | % | 65 | 30-110 | 01/11/13 22:27 | |
| Nitrobenzene-d5 (S) | % | 71 | 23-110 | 01/11/13 22:27 | |
| Terphenyl-d14 (S) | % | 75 | 28-110 | 01/11/13 22:27 | |

LABORATORY CONTROL SAMPLE: 903307

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | 1670 | 1110 | 67 | 45-105 | |
| 2-Methylnaphthalene | ug/kg | 1670 | 1110 | 66 | 39-112 | |
| Acenaphthene | ug/kg | 1670 | 1200 | 72 | 38-117 | |
| Acenaphthylene | ug/kg | 1670 | 1170 | 70 | 46-107 | |
| Anthracene | ug/kg | 1670 | 1190 | 72 | 50-110 | |
| Benzo(a)anthracene | ug/kg | 1670 | 1300 | 78 | 47-116 | |
| Benzo(a)pyrene | ug/kg | 1670 | 1320 | 79 | 47-106 | |
| Benzo(b)fluoranthene | ug/kg | 1670 | 1230 | 74 | 47-109 | |
| Benzo(g,h,i)perylene | ug/kg | 1670 | 1270 | 76 | 39-115 | |
| Benzo(k)fluoranthene | ug/kg | 1670 | 1180 | 71 | 45-117 | |
| Chrysene | ug/kg | 1670 | 1210 | 73 | 49-110 | |
| Dibenz(a,h)anthracene | ug/kg | 1670 | 1280 | 77 | 43-116 | |
| Fluoranthene | ug/kg | 1670 | 1300 | 78 | 50-114 | |
| Fluorene | ug/kg | 1670 | 1200 | 72 | 46-114 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | 1670 | 1290 | 78 | 42-115 | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

LABORATORY CONTROL SAMPLE: 903307

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Naphthalene | ug/kg | 1670 | 1110 | 67 | 41-110 | |
| Phenanthrene | ug/kg | 1670 | 1150 | 69 | 50-110 | |
| Pyrene | ug/kg | 1670 | 1350 | 81 | 45-114 | |
| 2-Fluorobiphenyl (S) | % | | | 66 | 30-110 | |
| Nitrobenzene-d5 (S) | % | | | 70 | 23-110 | |
| Terphenyl-d14 (S) | % | | | 77 | 28-110 | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

QC Batch: PMST/5239
Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006, 92144392007, 92144392008, 92144392009

SAMPLE DUPLICATE: 903237

| Parameter | Units | 92144414001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 24.2 | 24.6 | 1 | 25 | |

SAMPLE DUPLICATE: 903238

| Parameter | Units | 92144392009 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 13.0 | 14.9 | 14 | 25 | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

QC Batch: WETA/14315 — Analysis Method: EPA 7196
QC Batch Method: EPA 7196 Modified — Analysis Description: 7196 Chromium, Hexavalent
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006

METHOD BLANK: 908646 — Matrix: Solid
Associated Lab Samples: 92144392001, 92144392002, 92144392003, 92144392004, 92144392005, 92144392006

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Chromium, Hexavalent | mg/kg | ND | 5.0 | 01/22/13 11:49 | |

LABORATORY CONTROL SAMPLE: 908647

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Chromium, Hexavalent | mg/kg | 25 | 24.9 | 99 | | |

MATRIX SPIKE SAMPLE: 908648

| Parameter | Units | 92144392001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| Chromium, Hexavalent | mg/kg | ND | 24.3 | 24.3 | 100 | | |

SAMPLE DUPLICATE: 908649

| Parameter | Units | 92144392002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Chromium, Hexavalent | mg/kg | ND | ND | | | |



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# QUALIFIERS

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

## LABORATORIES

| | |
|---|---|
| PASI-A | Pace Analytical Services - Asheville |
| PASI-C | Pace Analytical Services - Charlotte |
| PASI-O | Pace Analytical Services - Ormond Beach |

## ANALYTE QUALIFIERS

| | |
|---|---|
| 1g | The internal standard response is below criteria. No hits associated with this internal standard. Results unaffected by high bias. |
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference. |
| D4 | Sample was diluted due to the presence of high levels of target analytes. |
| D6 | The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits. |
| IO | The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis. |
| M6 | Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution. |
| S0 | Surrogate recovery outside laboratory control limits. |
| S3 | Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias. |
| S4 | Surrogate recovery not evaluated against control limits due to sample dilution. |



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# QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **92144392001** | **SB-23 (2-3')** | EPA 3050 | MPRP/12381 | EPA 6010 | ICP/11307 |
| **92144392002** | **SB-24 (2-3')** | EPA 3050 | MPRP/12381 | EPA 6010 | ICP/11307 |
| **92144392003** | **SB-25 (2-3')** | EPA 3050 | MPRP/12381 | EPA 6010 | ICP/11307 |
| **92144392004** | **SB-26 (0-1')** | EPA 3050 | MPRP/12381 | EPA 6010 | ICP/11307 |
| **92144392005** | **SB-27 (1-2')** | EPA 3050 | MPRP/12381 | EPA 6010 | ICP/11307 |
| **92144392006** | **SB-28 (0-1')** | EPA 3050 | MPRP/12381 | EPA 6010 | ICP/11307 |
| **92144392001** | **SB-23 (2-3')** | EPA 3020 | MPRP/11822 | EPA 6020 | ICPM/4799 |
| **92144392002** | **SB-24 (2-3')** | EPA 3020 | MPRP/11822 | EPA 6020 | ICPM/4799 |
| **92144392003** | **SB-25 (2-3')** | EPA 3020 | MPRP/11822 | EPA 6020 | ICPM/4799 |
| **92144392004** | **SB-26 (0-1')** | EPA 3020 | MPRP/11822 | EPA 6020 | ICPM/4799 |
| **92144392005** | **SB-27 (1-2')** | EPA 3020 | MPRP/11822 | EPA 6020 | ICPM/4799 |
| **92144392006** | **SB-28 (0-1')** | EPA 3020 | MPRP/11822 | EPA 6020 | ICPM/4799 |
| **92144392007** | **SB-22 (2-3')** | EPA 3020 | MPRP/11822 | EPA 6020 | ICPM/4799 |
| **92144392001** | **SB-23 (2-3')** | EPA 7471 | MERP/4845 | EPA 7471 | MERC/4729 |
| **92144392002** | **SB-24 (2-3')** | EPA 7471 | MERP/4845 | EPA 7471 | MERC/4729 |
| **92144392003** | **SB-25 (2-3')** | EPA 7471 | MERP/4845 | EPA 7471 | MERC/4729 |
| **92144392004** | **SB-26 (0-1')** | EPA 7471 | MERP/4845 | EPA 7471 | MERC/4729 |
| **92144392005** | **SB-27 (1-2')** | EPA 7471 | MERP/4845 | EPA 7471 | MERC/4729 |
| **92144392006** | **SB-28 (0-1')** | EPA 7471 | MERP/4845 | EPA 7471 | MERC/4729 |
| **92144392001** | **SB-23 (2-3')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144392002** | **SB-24 (2-3')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144392003** | **SB-25 (2-3')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144392004** | **SB-26 (0-1')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144392005** | **SB-27 (1-2')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144392006** | **SB-28 (0-1')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144392007** | **SB-22 (2-3')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144392008** | **SB-21 (2-3')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144392009** | **SB-20 (2-3')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144392007** | **SB-22 (2-3')** | EPA 8260 | MSV/21725 | | |
| **92144392008** | **SB-21 (2-3')** | EPA 8260 | MSV/21729 | | |
| **92144392009** | **SB-20 (2-3')** | EPA 8260 | MSV/21752 | | |
| **92144392001** | **SB-23 (2-3')** | ASTM D2974-87 | PMST/5239 | | |
| **92144392002** | **SB-24 (2-3')** | ASTM D2974-87 | PMST/5239 | | |
| **92144392003** | **SB-25 (2-3')** | ASTM D2974-87 | PMST/5239 | | |
| **92144392004** | **SB-26 (0-1')** | ASTM D2974-87 | PMST/5239 | | |
| **92144392005** | **SB-27 (1-2')** | ASTM D2974-87 | PMST/5239 | | |
| **92144392006** | **SB-28 (0-1')** | ASTM D2974-87 | PMST/5239 | | |
| **92144392007** | **SB-22 (2-3')** | ASTM D2974-87 | PMST/5239 | | |
| **92144392008** | **SB-21 (2-3')** | ASTM D2974-87 | PMST/5239 | | |
| **92144392009** | **SB-20 (2-3')** | ASTM D2974-87 | PMST/5239 | | |
| **92144392001** | **SB-23 (2-3')** | Trivalent Chromium Calculation | WET/23911 | | |
| **92144392002** | **SB-24 (2-3')** | Trivalent Chromium Calculation | WET/23911 | | |
| **92144392003** | **SB-25 (2-3')** | Trivalent Chromium Calculation | WET/23911 | | |



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# QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coca-Cola Vehicle Maint. Fac.
Pace Project No.: 92144392

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **92144392004** | **SB-26 (0-1')** | Trivalent Chromium Calculation | WET/23911 | | |
| **92144392005** | **SB-27 (1-2')** | Trivalent Chromium Calculation | WET/23911 | | |
| **92144392006** | **SB-28 (0-1')** | Trivalent Chromium Calculation | WET/23911 | | |
| **92144392001** | **SB-23 (2-3')** | EPA 7196 Modified | WETA/14315 | EPA 7196 | WETA/14318 |
| **92144392002** | **SB-24 (2-3')** | EPA 7196 Modified | WETA/14315 | EPA 7196 | WETA/14318 |
| **92144392003** | **SB-25 (2-3')** | EPA 7196 Modified | WETA/14315 | EPA 7196 | WETA/14318 |
| **92144392004** | **SB-26 (0-1')** | EPA 7196 Modified | WETA/14315 | EPA 7196 | WETA/14318 |
| **92144392005** | **SB-27 (1-2')** | EPA 7196 Modified | WETA/14315 | EPA 7196 | WETA/14318 |
| **92144392006** | **SB-28 (0-1')** | EPA 7196 Modified | WETA/14315 | EPA 7196 | WETA/14318 |



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# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1652995

**Section A** Required Client Information:

Company: Catlin Engineers + Scientists
Address: 220 Old Dairy RD.
Wilmington, NC 28405
Email To: rick.garrett@catlinusa.com
Phone: 910-452-5861 Fax: 910-452-7563
Requested Due Date/TAT:

**Section B** Required Project Information:

Report To: Rick Garrett
Copy To:
Purchase Order No.: 130107-5
Project Name: Coca-Cola Vehicle Maint. Facility
Project Number: 208069

**Section C** Invoice Information:

Attention: Shelia Smith Shelia.smith@catlinusa.com
Company Name: Same
Address: Same
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 4302-3

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☑ OTHER IHSB

Site Location STATE: NC

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

| ITEM # | SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED Composite Start Date | Composite Start Time | Composite End/Grab Date | Composite End/Grab Time | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | 8270 TAH only | 8260 - Isopropylbenzene only | Total Cr | Hexavalent Cr | Trivalent Cr | 6020 - Pb, Mn | 7471 - Hg | 6010 - As, Pb, Mn | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-23 (2-3') | SL | G | 1-7-13 | 1115 | | | 8 | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | | Replaces COC # 001 |
| 2 | SB-24 (2-3') | | | | 1130 | | | 8 | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | | 1654560 002 |
| 3 | SB-25 (2-3') | | | | 1135 | | | 8 | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | | 003 |
| 4 | SB-26 (0-1') | | | | 1200 | | | 8 | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | | 004 |
| 5 | SB-27 (1-2') | | | | 1215 | | | 8 | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | | 005 |
| 6 | SB-28 (0-1') | | | | 1230 | | | 8 | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | | 006 |
| 7 | SB-22 (2-3') | | | | 1245 | | | 6 | 6 | ✓ | | | | | | ✓ | ✓ | | ✓ | ✓ | | | | ✓ | | | | 007 |
| 8 | SB-21 (2-3') | | | | 1400 | | | 8 | 5 | ✓ | | | | | | ✓ | ✓ | | ✓ | ✓ | | | | | | | | 008 |
| 9 | SB-20 (2-3') | | | | 1430 | | | 5 | 5 | ✓ | | | | | | ✓ | ✓ | | ✓ | ✓ | | | | | | | | 009 |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| EDD Summary | Corey D. Futral | 1-10-12 | | | | | |
| Report T-values | | | | | | | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Corey Futral

SIGNATURE of SAMPLER: Corey D. Futral

DATE Signed (MM/DD/YY): 01/10/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

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

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

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# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1654560

**Section A** Required Client Information:

Company: Catlin Engineers & Scientists
Address: 220 Old Dairy RD.
Wilmington, NC 28405
Email To: rick.garrett@catlinusa.com
Phone: 910-452-5861 Fax: 910-452-7563
Requested Due Date/TAT:

**Section B** Required Project Information:

Report To: Rick Garrett
Copy To:
Purchase Order No.: 130107-5
Project Name: Coca-Cola Vechicle Maint. Facility
Project Number: 208069

**Section C** Invoice Information:

Attention: Shelia Smith
Company Name: SAME
Address: SAME
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER ____

Site Location STATE: ____

Section D Required Client Information

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

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED COMPOSITE START DATE | COLLECTED COMPOSITE START TIME | COLLECTED COMPOSITE END/GRAB DATE | COLLECTED COMPOSITE END/GRAB TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives: Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | 8270 | 8260 | Total Cr | Hexavalent Cr | Trivalent Cr | 6020 | 7471 | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-23 (2-3') | SL | G | 1-7-13 | 1115 | | | | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | | |
| 2 | SB-24 (2-3') | | | | 1130 | | | | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | | |
| 3 | SB-25 (2-3') | | | | 1135 | | | | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | | |
| 4 | SB-26 (0-1') | | | | 1200 | | | | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | | |
| 5 | SB-27 (1-2') | | | | 1215 | | | | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | | |
| 6 | SB-28 (0-1') | | | | 1230 | | | | 3 | ✓ | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | ✓ | | |
| 7 | SB-22 (2-3') | | | | 1345 | | | | 6 | ✓ | | | | | | ✓ | ✓ | | ✓ | ✓ | | | | ✓ | | | |
| 8 | SB-21 (2-3') | | | | 1400 | | | | 5 | ✓ | | | | | | ✓ | ✓ | | ✓ | ✓ | | | | | | | |
| 9 | SB-20 (2-3') | | | | 1430 | | | | 5 | ✓ | | | | | | ✓ | ✓ | | ✓ | ✓ | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME |
|---|---|---|---|---|---|---|
| EDD Summary | Corey D. Fitral | 1-7-13 | 1145 | Tony Marlow | 1/9/13 | 1145 |
| Report T-values | Tony Marlow / Pace | 1/9/13 | 1300 | | | |
| | | | | Dmoore/Pace | 1-10-13 | 9:45 |

SAMPLE CONDITIONS: Temp in °C; Received on Ice (Y/N): Y; Custody Sealed Cooler (Y/N): N; Samples Intact (Y/N): Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Corey Fitral
SIGNATURE of SAMPLER: Corey D. Fitral
DATE Signed (MM/DD/YY): 01/07/13

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

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

| Pace Analytical | Document Name: **Sample Condition Upon Receipt (SCUR)** | Document Revised: October 31, 2012 Page 1 of 2 |
|---|---|---|
| | Document Number: **F-CHR-CS-03-rev.08** | Issuing Authority: Pace Huntersville Quality Office |

Client Name: Cattin Project # 92144392

**Where Received:** ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

**Courier:** ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

**Packing Material:** ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

**Thermometer Used: IR Gun T1101 (T1102)** **Type of Ice:** (Wet) Blue None ☑ Samples on ice, cooling process has begun

**Temp Correction Factor** **T1101**: No Correction **T1102**: No Correction

**Corrected Cooler Temp.:** 20 C **Biological Tissue is Frozen:** Yes No N/A **Date and Initials of person examining contents:** _____

Temp should be above freezing to 6°C

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

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

Person Contacted: Rick Garrett Date/Time: 1/10/13 1100

Comments/ Resolution: Client sent a revised chain of custody w/ more specific compound requirements - AMB

**SCURF Review:** AMB **Date:** 1/10/13 **SRF Review:** TWD **Date:** 1/10/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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(828)254-7176

**Pace Analytical Services, Inc.**
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

January 23, 2013

Rick Garrett
CATLIN Engineers and Scientist
220 Old Dairy Rd.
Wilmington, NC 28405

RE: Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

Dear Rick Garrett:
Enclosed are the analytical results for sample(s) received by the laboratory on January 08, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Kevin Herring for
Angela Baioni
angela.baioni@pacelabs.com
Project Manager

Enclosures

cc: Shelia Smith, CATLIN Engineers and Scientists



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# CERTIFICATIONS

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

**Ormond Beach Certification IDs**
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pace Analytical Services - Ormond certification number E83509
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

**Charlotte Certification IDs**
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

**Asheville Certification IDs**
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222



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## SAMPLE SUMMARY

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **92144308001** | **SB-29 (2-3')** | Solid | 01/03/13 13:40 | 01/08/13 10:10 |
| **92144308002** | **SB-30 (2-3')** | Solid | 01/03/13 13:25 | 01/08/13 10:10 |
| **92144308003** | **SB-31 (2-3')** | Solid | 01/03/13 13:20 | 01/08/13 10:10 |



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## SAMPLE ANALYTE COUNT

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **92144308001** | **SB-29 (2-3')** | EPA 8270 | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92144308002** | **SB-30 (2-3')** | EPA 7471 | SH1 | 1 | PASI-A |
| | | EPA 8270 | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92144308003** | **SB-31 (2-3')** | EPA 6020 | HEA | 2 | PASI-O |
| | | EPA 8270 | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

**Sample: SB-29 (2-3')** **Lab ID: 92144308001** Collected: 01/03/13 13:40 Received: 01/08/13 10:10 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 | | Preparation Method: EPA 3546 | | | | | | |
| Acenaphthene | ND | ug/kg | 421 | 97.0 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 421 | 99.5 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 208-96-8 | |
| Anthracene | ND | ug/kg | 421 | 94.4 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 421 | 77.8 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 56-55-3 | |
| Benzo(a)pyrene | **96.6J** | ug/kg | 421 | 80.4 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 50-32-8 | |
| Benzo(b)fluoranthene | **113J** | ug/kg | 421 | 72.7 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 421 | 107 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 191-24-2 | |
| Benzo(k)fluoranthene | **89.2J** | ug/kg | 421 | 82.9 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 207-08-9 | |
| Chrysene | **80.6J** | ug/kg | 421 | 56.1 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 421 | 89.3 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 421 | 61.2 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 206-44-0 | |
| Fluorene | ND | ug/kg | 421 | 86.8 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 421 | 86.8 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 421 | 110 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 421 | 90.6 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 421 | 103 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 421 | 70.2 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 85-01-8 | |
| Pyrene | ND | ug/kg | 421 | 71.5 | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 60 | % | 23-110 | | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 34 | % | 30-110 | | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 321-60-8 | |
| Terphenyl-d14 (S) | 35 | % | 28-110 | | 1 | 01/10/13 14:20 | 01/14/13 10:40 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **21.6** | % | 0.10 | 0.10 | 1 | | 01/11/13 13:28 | | |

**Sample: SB-30 (2-3')** **Lab ID: 92144308002** Collected: 01/03/13 13:25 Received: 01/08/13 10:10 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **7471 Mercury** | Analytical Method: EPA 7471 | | Preparation Method: EPA 7471 | | | | | | |
| Mercury | **0.80** | mg/kg | 0.044 | 0.00088 | 10 | 01/18/13 12:30 | 01/21/13 16:00 | 7439-97-6 | M6 |
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 | | Preparation Method: EPA 3546 | | | | | | |
| Acenaphthene | ND | ug/kg | 368 | 84.8 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 368 | 87.0 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 208-96-8 | |
| Anthracene | ND | ug/kg | 368 | 82.6 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 368 | 68.1 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 368 | 70.3 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 368 | 63.6 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 368 | 93.7 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 368 | 72.5 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 207-08-9 | |



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# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

**Sample: SB-30 (2-3')** **Lab ID: 92144308002** Collected: 01/03/13 13:25 Received: 01/08/13 10:10 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 | | Preparation Method: EPA 3546 | | | | | | |
| Chrysene | ND | ug/kg | 368 | 49.1 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 368 | 78.1 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 368 | 53.6 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 206-44-0 | |
| Fluorene | ND | ug/kg | 368 | 75.9 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 368 | 75.9 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 368 | 95.9 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 368 | 79.2 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 368 | 90.4 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 368 | 61.4 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 85-01-8 | |
| Pyrene | ND | ug/kg | 368 | 62.5 | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 72 | % | 23-110 | | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 58 | % | 30-110 | | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 321-60-8 | |
| Terphenyl-d14 (S) | 34 | % | 28-110 | | 1 | 01/10/13 14:20 | 01/14/13 11:12 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **10.4** | % | 0.10 | 0.10 | 1 | | 01/11/13 13:28 | | |

**Sample: SB-31 (2-3')** **Lab ID: 92144308003** Collected: 01/03/13 13:20 Received: 01/08/13 10:10 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6020 MET ICPMS** | Analytical Method: EPA 6020 | | Preparation Method: EPA 3020 | | | | | | |
| Lead | **13.2** | mg/kg | 0.49 | 0.25 | 10 | 01/14/13 17:19 | 01/15/13 16:38 | 7439-92-1 | M6 |
| Manganese | **6.9** | mg/kg | 0.49 | 0.33 | 10 | 01/14/13 17:19 | 01/15/13 16:38 | 7439-96-5 | M6 |
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 | | Preparation Method: EPA 3546 | | | | | | |
| Acenaphthene | ND | ug/kg | 379 | 87.3 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 379 | 89.6 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 208-96-8 | |
| Anthracene | ND | ug/kg | 379 | 85.0 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 379 | 70.1 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 379 | 72.4 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 379 | 65.5 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 379 | 96.5 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 379 | 74.7 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 207-08-9 | |
| Chrysene | ND | ug/kg | 379 | 50.5 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 379 | 80.4 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 379 | 55.1 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 206-44-0 | |
| Fluorene | ND | ug/kg | 379 | 78.1 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 379 | 78.1 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 379 | 98.8 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 379 | 81.6 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 91-57-6 | |



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(704)875-9092

# ANALYTICAL RESULTS

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

**Sample: SB-31 (2-3')** **Lab ID: 92144308003** Collected: 01/03/13 13:20 Received: 01/08/13 10:10 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV PAH Microwave** | Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | |
| Naphthalene | ND | ug/kg | 379 | 93.0 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 379 | 63.2 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 85-01-8 | |
| Pyrene | ND | ug/kg | 379 | 64.3 | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 71 | % | 23-110 | | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 61 | % | 30-110 | | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 321-60-8 | |
| Terphenyl-d14 (S) | 69 | % | 28-110 | | 1 | 01/10/13 14:20 | 01/14/13 11:43 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **12.9** | % | 0.10 | 0.10 | 1 | | 01/11/13 13:28 | | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

QC Batch: MERP/4845
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Associated Lab Samples: 92144308002

METHOD BLANK: 907801
Matrix: Solid
Associated Lab Samples: 92144308002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Mercury | mg/kg | ND | 0.0050 | 01/21/13 13:11 | |

LABORATORY CONTROL SAMPLE: 907802

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Mercury | mg/kg | .067 | 0.054 | 80 | 80-120 | |

MATRIX SPIKE SAMPLE: 907803

| Parameter | Units | 92144308002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|---|
| Mercury | mg/kg | 0.80 | .069 | 0.70 | -152 | 75-125 | M6 |

SAMPLE DUPLICATE: 907804

| Parameter | Units | 92144685001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Mercury | mg/kg | 0.018 | 0.017 | 3 | 20 | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

QC Batch: MPRP/11822
QC Batch Method: EPA 3020
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 92144308003

METHOD BLANK: 542532
Matrix: Solid
Associated Lab Samples: 92144308003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Lead | mg/kg | ND | 0.049 | 01/15/13 16:24 | |
| Manganese | mg/kg | ND | 0.049 | 01/15/13 16:24 | |

LABORATORY CONTROL SAMPLE: 542533

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Lead | mg/kg | 2.5 | 2.5 | 102 | 80-120 | |
| Manganese | mg/kg | 2.5 | 2.7 | 107 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 542534 542535

| Parameter | Units | 92144308003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | mg/kg | 13.2 | 2.3 | 2.4 | 13.0 | 11.7 | -11 | -62 | 70-130 | 10 | 20 | M6 |
| Manganese | mg/kg | 6.9 | 2.3 | 2.4 | 8.7 | 8.0 | 78 | 43 | 70-130 | 9 | 20 | M6 |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

QC Batch: OEXT/20330 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave PAH
Associated Lab Samples: 92144308001, 92144308002, 92144308003

METHOD BLANK: 903306 Matrix: Solid
Associated Lab Samples: 92144308001, 92144308002, 92144308003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| 2-Methylnaphthalene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Acenaphthene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Acenaphthylene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Anthracene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Benzo(a)anthracene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Benzo(a)pyrene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Benzo(b)fluoranthene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Benzo(g,h,i)perylene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Benzo(k)fluoranthene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Chrysene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Dibenz(a,h)anthracene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Fluoranthene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Fluorene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Naphthalene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Phenanthrene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| Pyrene | ug/kg | ND | 330 | 01/11/13 22:27 | |
| 2-Fluorobiphenyl (S) | % | 65 | 30-110 | 01/11/13 22:27 | |
| Nitrobenzene-d5 (S) | % | 71 | 23-110 | 01/11/13 22:27 | |
| Terphenyl-d14 (S) | % | 75 | 28-110 | 01/11/13 22:27 | |

LABORATORY CONTROL SAMPLE: 903307

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | 1670 | 1110 | 67 | 45-105 | |
| 2-Methylnaphthalene | ug/kg | 1670 | 1110 | 66 | 39-112 | |
| Acenaphthene | ug/kg | 1670 | 1200 | 72 | 38-117 | |
| Acenaphthylene | ug/kg | 1670 | 1170 | 70 | 46-107 | |
| Anthracene | ug/kg | 1670 | 1190 | 72 | 50-110 | |
| Benzo(a)anthracene | ug/kg | 1670 | 1300 | 78 | 47-116 | |
| Benzo(a)pyrene | ug/kg | 1670 | 1320 | 79 | 47-106 | |
| Benzo(b)fluoranthene | ug/kg | 1670 | 1230 | 74 | 47-109 | |
| Benzo(g,h,i)perylene | ug/kg | 1670 | 1270 | 76 | 39-115 | |
| Benzo(k)fluoranthene | ug/kg | 1670 | 1180 | 71 | 45-117 | |
| Chrysene | ug/kg | 1670 | 1210 | 73 | 49-110 | |
| Dibenz(a,h)anthracene | ug/kg | 1670 | 1280 | 77 | 43-116 | |
| Fluoranthene | ug/kg | 1670 | 1300 | 78 | 50-114 | |
| Fluorene | ug/kg | 1670 | 1200 | 72 | 46-114 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | 1670 | 1290 | 78 | 42-115 | |
| Naphthalene | ug/kg | 1670 | 1110 | 67 | 41-110 | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

LABORATORY CONTROL SAMPLE: 903307

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Phenanthrene | ug/kg | 1670 | 1150 | 69 | 50-110 | |
| Pyrene | ug/kg | 1670 | 1350 | 81 | 45-114 | |
| 2-Fluorobiphenyl (S) | % | | | 66 | 30-110 | |
| Nitrobenzene-d5 (S) | % | | | 70 | 23-110 | |
| Terphenyl-d14 (S) | % | | | 77 | 28-110 | |



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# QUALITY CONTROL DATA

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

QC Batch: PMST/5240 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92144308001, 92144308002, 92144308003

SAMPLE DUPLICATE: 903813

| Parameter | Units | 92144495001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 17.6 | 16.6 | 6 | 25 | |

SAMPLE DUPLICATE: 903814

| Parameter | Units | 92144498001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 11.2 | 10.5 | 6 | 25 | |



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# QUALIFIERS

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

## LABORATORIES

| | |
|---|---|
| PASI-A | Pace Analytical Services - Asheville |
| PASI-C | Pace Analytical Services - Charlotte |
| PASI-O | Pace Analytical Services - Ormond Beach |

## ANALYTE QUALIFIERS

| | |
|---|---|
| M6 | Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution. |



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# QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coca-Cola Vehicle Maint. Fac
Pace Project No.: 92144308

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **92144308003** | **SB-31 (2-3')** | EPA 3020 | MPRP/11822 | EPA 6020 | ICPM/4799 |
| **92144308002** | **SB-30 (2-3')** | EPA 7471 | MERP/4845 | EPA 7471 | MERC/4729 |
| **92144308001** | **SB-29 (2-3')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144308002** | **SB-30 (2-3')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144308003** | **SB-31 (2-3')** | EPA 3546 | OEXT/20330 | EPA 8270 | MSSV/7204 |
| **92144308001** | **SB-29 (2-3')** | ASTM D2974-87 | PMST/5240 | | |
| **92144308002** | **SB-30 (2-3')** | ASTM D2974-87 | PMST/5240 | | |
| **92144308003** | **SB-31 (2-3')** | ASTM D2974-87 | PMST/5240 | | |



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# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1503613

**Section A** Required Client Information:

Company: Cattlin Engineers & Scientists
Address: 220 Old Dairy RD
Wilmington, NC 28405
Email To: rick.garrett@cattlinusa.com
Phone: 910-452-5861 Fax: 910-452-7563
Requested Due Date/TAT:

**Section B** Required Project Information:

Report To: Rick Garrett
Copy To:
Purchase Order No.: 130104-1
Project Name: Coca-Cola Vechick Maint. Facility
Project Number: 208069

**Section C** Invoice Information:

Attention: Shelia Smith Shelia.smith@cattlinusa.com
Company Name: SAME
Address: SAME
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☑ OTHER IHSB

Site Location STATE: NC

**Section D** Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

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

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED Composite Start Date | Composite Start Time | Composite End/Grab Date | Composite End/Grab Time | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test Y/N | 8270 Total only | 7471 - Hg | 6020 - Pb, Cr, Mn | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-29 (2-3') | SL | G | 1-3-13 | 1340 | | | | 1 | ✓ | | | | | | | | | ✓ | | | | Replaces COC # 001 |
| 2 | SB-30 (2-3') | | | 1-3-13 | 1325 | | | | 2 | ✓ | | | | | | | | | ✓ | ✓ | | | 16654559 002 |
| 3 | SB-31 (2-3') | | | 1-3-13 | 1320 | | | | 2 | ✓ | | | | | | | | | ✓ | | ✓ | | (Work order # 92144308) 003 |
| 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | |

92144308

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| EDD Summary | Corey D. Futral | 1-10-13 | | | | | |
| Report T-Values | | | | | | | |

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Corey Futral

SIGNATURE of SAMPLER: Corey D. Futral

DATE Signed (MM/DD/YY): 01/10/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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

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

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# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1654559

**Section A** Required Client Information:

Company: Catlin Engineers & Scientists
Address: 220 Old Dairy RD. Wilmington, NC 28405
Email To: Rick Garrett
Phone: 910-452-5861 Fax: 910-452-7563
Requested Due Date/TAT:

**Section B** Required Project Information:

Report To: rick.garrett@catlinusa.com
Copy To:
Purchase Order No.: 130104-1
Project Name: Coca-Cola Vechicle Maint. Facility
Project Number: 208069

**Section C** Invoice Information:

Attention: Shelia Smith shelia.smith@catlinusa.com
Company Name: SAME
Address: SAME
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 4302-3

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

**Section D** Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED COMPOSITE START DATE | COLLECTED COMPOSITE START TIME | COLLECTED COMPOSITE END/GRAB DATE | COLLECTED COMPOSITE END/GRAB TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives: Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | 8270 | 7471 | 6020 | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-29 (2-3') | SL | G | 1-3-13 | 1340 | | | | 1 | ✓ | | | | | | | | | ✓ | | | | 92144308 001 |
| 2 | SB-30 (2-3') | ⊥ | ⊥ | 1-3-13 | 1325 | | | | 2 | ✓ | | | | | | | | | ✓ | ✓ | | | 002 |
| 3 | SB-31 (2-3') | ⊥ | ⊥ | 1-3-13 | 1320 | | | | 2 | ✓ | | | | | | | | | ✓ | | ✓ | | 003 |
| 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME |
|---|---|---|---|---|---|---|
| Report T-values in | Corey D. Futral | 1-4-13 | 1540 | Terry Marlow | 1/4/13 | 1540 |
| EDD Summary | Terry Marlow | 1/4/13 | 1645 | [illegible] | 1/5/13 | 10:10 |

SAMPLE CONDITIONS: Temp in °C 2.2; Received on Ice (Y/N) X; Custody Sealed Cooler (Y/N) ~; Samples Intact (Y/N) Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Corey Futral
SIGNATURE of SAMPLER: Corey D. Futral
DATE Signed (MM/DD/YY): 01-03-13

ORIGINAL

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

| Pace Analytical www.pacelabs.com | Document Name: **Sample Condition Upon Receipt (SCUR)** | Document Revised: May 30, 2012 Page 1 of 2 |
|---|---|---|
| | Document No.: F-ASV-CS-003-rev.08 | Issuing Authorities: Pace Asheville Quality Office |

Client Name: Catlin Project # 92144308

**Where Received:** ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

**Courier (Circle):** Fed Ex UPS USPS Client Commercial Pace Other_____

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

Optional Proj. Due Date:

**Packing Material:** ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

**Circle Thermometer Used:** IR Gun#2 -80344039 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

IR Gun Back Up- 111565135

**Temp Correction Factor: Add / Subtract** 0.1 C

**Corrected Cooler Temp.:** 2.2 C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

**Date and Initials of person examining contents:** 1/8/13

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

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

Person Contacted: Rick Garrett Date/Time: 1/10/13 1100

Comments/ Resolution: needs to finetune what was requested on the chain; sent over revised COC (I put original project on hold pending further instructions from him.) - AMB

**SCURF Review:** BKM **Date:** 1/9/13 **SRF Review:** [illegible] **Date:** 1/10/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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February 26, 2013

Rick Garrett
CATLIN Engineers and Scientist
220 Old Dairy Rd.
Wilmington, NC 28405

RE: Project: Coca Cola 208069
Pace Project No.: 92148339

Dear Rick Garrett:
Enclosed are the analytical results for sample(s) received by the laboratory on February 15, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Angela M. Baioni

Angela Baioni

angela.baioni@pacelabs.com
Project Manager

Enclosures

cc: Shelia Smith, CATLIN Engineers and Scientists



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# CERTIFICATIONS

Project: Coca Cola 208069
Pace Project No.: 92148339

**Charlotte Certification IDs**
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221



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## SAMPLE SUMMARY

Project: Coca Cola 208069
Pace Project No.: 92148339

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **92148339001** | **SB-29** | Solid | 02/14/13 10:00 | 02/15/13 13:55 |
| **92148339002** | **SB-31** | Solid | 02/14/13 10:30 | 02/15/13 13:55 |
| **92148339003** | **SB-30** | Solid | 02/14/13 11:05 | 02/15/13 13:55 |
| **92148339004** | **SB-21** | Solid | 02/14/13 11:35 | 02/15/13 13:55 |
| **92148339005** | **SB-22** | Solid | 02/14/13 11:55 | 02/15/13 13:55 |
| **92148339006** | **SB-20** | Solid | 02/14/13 12:10 | 02/15/13 13:55 |
| **92148339007** | **SB-27** | Solid | 02/14/13 12:20 | 02/15/13 13:55 |
| **92148339008** | **SB-26** | Solid | 02/14/13 12:45 | 02/15/13 13:55 |
| **92148339009** | **SB-28** | Solid | 02/14/13 12:55 | 02/15/13 13:55 |
| **92148339010** | **SB-25** | Solid | 02/14/13 13:00 | 02/15/13 13:55 |
| **92148339011** | **SB-24** | Solid | 02/14/13 13:10 | 02/15/13 13:55 |
| **92148339012** | **SB-23** | Solid | 02/14/13 13:20 | 02/15/13 13:55 |



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# SAMPLE ANALYTE COUNT

Project: Coca Cola 208069
Pace Project No.: 92148339

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **92148339001** | **SB-29** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339002** | **SB-31** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339003** | **SB-30** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339004** | **SB-21** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339005** | **SB-22** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339006** | **SB-20** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339007** | **SB-27** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339008** | **SB-26** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339009** | **SB-28** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339010** | **SB-25** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339011** | **SB-24** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92148339012** | **SB-23** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92148339

**Sample: SB-29** **Lab ID: 92148339001** Collected: 02/14/13 10:00 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 12.3 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 12.3 | 1.6 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 208-96-8 | |
| Anthracene | ND | ug/kg | 12.3 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 120-12-7 | |
| Benzo(a)anthracene | ND | ug/kg | 12.3 | 0.87 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 12.3 | 1.3 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 12.3 | 0.82 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 12.3 | 3.2 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 12.3 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 207-08-9 | |
| Chrysene | ND | ug/kg | 12.3 | 2.2 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 12.3 | 2.2 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 12.3 | 1.0 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 206-44-0 | |
| Fluorene | ND | ug/kg | 12.3 | 2.0 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 12.3 | 3.4 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 12.3 | 1.5 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 12.3 | 1.3 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 12.3 | 2.8 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 12.3 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 85-01-8 | |
| Pyrene | ND | ug/kg | 12.3 | 2.2 | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 67 | % | 10-128 | | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 52 | % | 10-110 | | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 321-60-8 | |
| Terphenyl-d14 (S) | 56 | % | 39-119 | | 1 | 02/16/13 11:25 | 02/24/13 16:25 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **18.4** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:08 | | |

**Sample: SB-31** **Lab ID: 92148339002** Collected: 02/14/13 10:30 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 12.8 | 1.9 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 12.8 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 208-96-8 | |
| Anthracene | ND | ug/kg | 12.8 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 120-12-7 | |
| Benzo(a)anthracene | **1.1J** | ug/kg | 12.8 | 0.91 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 12.8 | 1.4 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 12.8 | 0.86 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 12.8 | 3.3 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 12.8 | 1.9 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 207-08-9 | |
| Chrysene | ND | ug/kg | 12.8 | 2.3 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 12.8 | 2.3 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 53-70-3 | |
| Fluoranthene | ND | ug/kg | 12.8 | 1.1 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 206-44-0 | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92148339

**Sample: SB-31** **Lab ID: 92148339002** Collected: 02/14/13 10:30 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Fluorene | ND | ug/kg | 12.8 | 2.1 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 12.8 | 3.6 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 12.8 | 1.5 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 12.8 | 1.4 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 12.8 | 2.9 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 91-20-3 | |
| Phenanthrene | ND | ug/kg | 12.8 | 1.9 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 85-01-8 | |
| Pyrene | ND | ug/kg | 12.8 | 2.3 | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 70 | % | 10-128 | | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 61 | % | 10-110 | | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 321-60-8 | |
| Terphenyl-d14 (S) | 73 | % | 39-119 | | 1 | 02/16/13 11:25 | 02/24/13 16:45 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **22.0** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:09 | | |

**Sample: SB-30** **Lab ID: 92148339003** Collected: 02/14/13 11:05 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 12.1 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 12.1 | 1.6 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 208-96-8 | |
| Anthracene | **2.4J** | ug/kg | 12.1 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 120-12-7 | |
| Benzo(a)anthracene | **20.3** | ug/kg | 12.1 | 0.86 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 56-55-3 | |
| Benzo(a)pyrene | **25.1** | ug/kg | 12.1 | 1.3 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 50-32-8 | |
| Benzo(b)fluoranthene | **20.4** | ug/kg | 12.1 | 0.81 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 205-99-2 | |
| Benzo(g,h,i)perylene | **10.8J** | ug/kg | 12.1 | 3.1 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 191-24-2 | |
| Benzo(k)fluoranthene | **15.5** | ug/kg | 12.1 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 207-08-9 | |
| Chrysene | **21.0** | ug/kg | 12.1 | 2.2 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 12.1 | 2.2 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 53-70-3 | |
| Fluoranthene | **41.3** | ug/kg | 12.1 | 1.0 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 206-44-0 | |
| Fluorene | ND | ug/kg | 12.1 | 1.9 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **11.3J** | ug/kg | 12.1 | 3.4 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 193-39-5 | |
| 1-Methylnaphthalene | **1.9J** | ug/kg | 12.1 | 1.5 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 90-12-0 | |
| 2-Methylnaphthalene | **2.3J** | ug/kg | 12.1 | 1.3 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 91-57-6 | |
| Naphthalene | **3.1J** | ug/kg | 12.1 | 2.8 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 91-20-3 | |
| Phenanthrene | **17.1** | ug/kg | 12.1 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 85-01-8 | |
| Pyrene | **35.8** | ug/kg | 12.1 | 2.2 | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 69 | % | 10-128 | | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 58 | % | 10-110 | | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 321-60-8 | |
| Terphenyl-d14 (S) | 71 | % | 39-119 | | 1 | 02/16/13 11:25 | 02/24/13 17:05 | 1718-51-0 | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92148339

**Sample: SB-30** **Lab ID: 92148339003** Collected: 02/14/13 11:05 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **17.3** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:09 | | |

**Sample: SB-21** **Lab ID: 92148339004** Collected: 02/14/13 11:35 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | **35.3J** | ug/kg | 124 | 18.7 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 124 | 16.2 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 208-96-8 | |
| Anthracene | **100J** | ug/kg | 124 | 17.4 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 120-12-7 | |
| Benzo(a)anthracene | **517** | ug/kg | 124 | 8.8 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 56-55-3 | |
| Benzo(a)pyrene | **495** | ug/kg | 124 | 13.7 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 50-32-8 | |
| Benzo(b)fluoranthene | **498** | ug/kg | 124 | 8.3 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 205-99-2 | |
| Benzo(g,h,i)perylene | **234** | ug/kg | 124 | 32.3 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 191-24-2 | |
| Benzo(k)fluoranthene | **350** | ug/kg | 124 | 18.7 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 207-08-9 | |
| Chrysene | **436** | ug/kg | 124 | 22.4 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 218-01-9 | |
| Dibenz(a,h)anthracene | **108J** | ug/kg | 124 | 22.4 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 53-70-3 | |
| Fluoranthene | **1050** | ug/kg | 124 | 10.3 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 206-44-0 | |
| Fluorene | **27.7J** | ug/kg | 124 | 19.9 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **239** | ug/kg | 124 | 34.8 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 124 | 14.9 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 124 | 13.7 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 124 | 28.6 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 91-20-3 | |
| Phenanthrene | **407** | ug/kg | 124 | 18.7 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 85-01-8 | |
| Pyrene | **935** | ug/kg | 124 | 22.4 | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 10-128 | | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 4165-60-0 | D3,S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 10-110 | | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 39-119 | | 10 | 02/16/13 11:25 | 02/24/13 17:25 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **19.6** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:09 | | |

**Sample: SB-22** **Lab ID: 92148339005** Collected: 02/14/13 11:55 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | **19100** | ug/kg | 2230 | 334 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 2230 | 290 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 208-96-8 | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92148339

**Sample: SB-22** **Lab ID: 92148339005** Collected: 02/14/13 11:55 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Anthracene | **46000** | ug/kg | 2230 | 312 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 120-12-7 | |
| Benzo(a)anthracene | **74800** | ug/kg | 2230 | 158 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 56-55-3 | |
| Benzo(a)pyrene | **52600** | ug/kg | 2230 | 245 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 50-32-8 | |
| Benzo(b)fluoranthene | **44800** | ug/kg | 2230 | 149 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 205-99-2 | |
| Benzo(g,h,i)perylene | **26800** | ug/kg | 2230 | 580 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 191-24-2 | |
| Benzo(k)fluoranthene | **43700** | ug/kg | 2230 | 334 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 207-08-9 | |
| Chrysene | **70000** | ug/kg | 2230 | 401 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 218-01-9 | |
| Dibenz(a,h)anthracene | **13900** | ug/kg | 2230 | 401 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 53-70-3 | |
| Fluoranthene | **141000** | ug/kg | 2230 | 185 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 206-44-0 | |
| Fluorene | **18600** | ug/kg | 2230 | 357 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **26300** | ug/kg | 2230 | 624 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 193-39-5 | |
| 1-Methylnaphthalene | **5910** | ug/kg | 2230 | 268 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 90-12-0 | |
| 2-Methylnaphthalene | **5520** | ug/kg | 2230 | 245 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 91-57-6 | |
| Naphthalene | **4980** | ug/kg | 2230 | 513 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 91-20-3 | |
| Phenanthrene | **151000** | ug/kg | 2230 | 334 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 85-01-8 | |
| Pyrene | **118000** | ug/kg | 2230 | 401 | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 10-128 | | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 4165-60-0 | D3,S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 10-110 | | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 39-119 | | 200 | 02/16/13 11:25 | 02/25/13 15:21 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **10.3** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:09 | | |

**Sample: SB-20** **Lab ID: 92148339006** Collected: 02/14/13 12:10 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 11.3 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 83-32-9 | |
| Acenaphthylene | **2.6J** | ug/kg | 11.3 | 1.5 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 208-96-8 | |
| Anthracene | **6.4J** | ug/kg | 11.3 | 1.6 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 120-12-7 | |
| Benzo(a)anthracene | **50.5** | ug/kg | 11.3 | 0.81 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 56-55-3 | |
| Benzo(a)pyrene | **56.5** | ug/kg | 11.3 | 1.2 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 50-32-8 | |
| Benzo(b)fluoranthene | **52.7** | ug/kg | 11.3 | 0.76 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 205-99-2 | |
| Benzo(g,h,i)perylene | **24.2** | ug/kg | 11.3 | 2.9 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 191-24-2 | |
| Benzo(k)fluoranthene | **28.8** | ug/kg | 11.3 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 207-08-9 | |
| Chrysene | **46.8** | ug/kg | 11.3 | 2.0 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 218-01-9 | |
| Dibenz(a,h)anthracene | **4.1J** | ug/kg | 11.3 | 2.0 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 53-70-3 | |
| Fluoranthene | **84.5** | ug/kg | 11.3 | 0.94 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 206-44-0 | |
| Fluorene | ND | ug/kg | 11.3 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **25.6** | ug/kg | 11.3 | 3.2 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 193-39-5 | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92148339

**Sample: SB-20** **Lab ID: 92148339006** Collected: 02/14/13 12:10 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| 1-Methylnaphthalene | **2.5J** | ug/kg | 11.3 | 1.4 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 90-12-0 | |
| 2-Methylnaphthalene | **2.9J** | ug/kg | 11.3 | 1.2 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 91-57-6 | |
| Naphthalene | **3.2J** | ug/kg | 11.3 | 2.6 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 91-20-3 | |
| Phenanthrene | **31.8** | ug/kg | 11.3 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 85-01-8 | |
| Pyrene | **84.9** | ug/kg | 11.3 | 2.0 | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 70 | % | 10-128 | | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 61 | % | 10-110 | | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 321-60-8 | |
| Terphenyl-d14 (S) | 93 | % | 39-119 | | 1 | 02/16/13 11:25 | 02/24/13 18:06 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **11.9** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:09 | | |

**Sample: SB-27** **Lab ID: 92148339007** Collected: 02/14/13 12:20 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 130 | 19.5 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 130 | 16.9 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 208-96-8 | |
| Anthracene | ND | ug/kg | 130 | 18.2 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 120-12-7 | |
| Benzo(a)anthracene | **101J** | ug/kg | 130 | 9.2 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 130 | 14.3 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 50-32-8 | |
| Benzo(b)fluoranthene | **110J** | ug/kg | 130 | 8.7 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 130 | 33.8 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 191-24-2 | |
| Benzo(k)fluoranthene | **76.0J** | ug/kg | 130 | 19.5 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 207-08-9 | |
| Chrysene | **116J** | ug/kg | 130 | 23.4 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 130 | 23.4 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 53-70-3 | |
| Fluoranthene | **194** | ug/kg | 130 | 10.8 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 206-44-0 | |
| Fluorene | ND | ug/kg | 130 | 20.8 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 130 | 36.4 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 193-39-5 | |
| 1-Methylnaphthalene | **63.9J** | ug/kg | 130 | 15.6 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 90-12-0 | |
| 2-Methylnaphthalene | **127J** | ug/kg | 130 | 14.3 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 91-57-6 | |
| Naphthalene | **101J** | ug/kg | 130 | 29.9 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 91-20-3 | |
| Phenanthrene | **126J** | ug/kg | 130 | 19.5 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 85-01-8 | |
| Pyrene | **176** | ug/kg | 130 | 23.4 | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 10-128 | | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 4165-60-0 | D3,S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 10-110 | | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 39-119 | | 10 | 02/16/13 11:25 | 02/24/13 18:26 | 1718-51-0 | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92148339

**Sample: SB-27** **Lab ID: 92148339007** Collected: 02/14/13 12:20 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **23.0** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:09 | | |

**Sample: SB-26** **Lab ID: 92148339008** Collected: 02/14/13 12:45 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 12000 | 1800 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 12000 | 1560 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 208-96-8 | |
| Anthracene | ND | ug/kg | 12000 | 1680 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 120-12-7 | |
| Benzo(a)anthracene | **2210J** | ug/kg | 12000 | 853 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 12000 | 1320 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 12000 | 805 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 205-99-2 | |
| Benzo(g,h,i)perylene | ND | ug/kg | 12000 | 3120 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 191-24-2 | |
| Benzo(k)fluoranthene | ND | ug/kg | 12000 | 1800 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 207-08-9 | |
| Chrysene | ND | ug/kg | 12000 | 2160 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 12000 | 2160 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 53-70-3 | |
| Fluoranthene | **3900J** | ug/kg | 12000 | 997 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 206-44-0 | |
| Fluorene | ND | ug/kg | 12000 | 1920 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 12000 | 3360 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 12000 | 1440 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 12000 | 1320 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 12000 | 2760 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 91-20-3 | |
| Phenanthrene | **2870J** | ug/kg | 12000 | 1800 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 85-01-8 | |
| Pyrene | **3460J** | ug/kg | 12000 | 2160 | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 10-128 | | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 4165-60-0 | D3,P3, S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 10-110 | | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 39-119 | | 100 | 02/16/13 11:25 | 02/24/13 18:46 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **16.7** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:09 | | |

**Sample: SB-28** **Lab ID: 92148339009** Collected: 02/14/13 12:55 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 11.6 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 83-32-9 | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92148339

**Sample: SB-28** **Lab ID: 92148339009** Collected: 02/14/13 12:55 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthylene | ND | ug/kg | 11.6 | 1.5 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 208-96-8 | |
| Anthracene | ND | ug/kg | 11.6 | 1.6 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 120-12-7 | |
| Benzo(a)anthracene | **19.7** | ug/kg | 11.6 | 0.83 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 56-55-3 | |
| Benzo(a)pyrene | **29.2** | ug/kg | 11.6 | 1.3 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 50-32-8 | |
| Benzo(b)fluoranthene | **24.9** | ug/kg | 11.6 | 0.78 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 205-99-2 | |
| Benzo(g,h,i)perylene | **15.4** | ug/kg | 11.6 | 3.0 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 191-24-2 | |
| Benzo(k)fluoranthene | **15.6** | ug/kg | 11.6 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 207-08-9 | |
| Chrysene | **20.8** | ug/kg | 11.6 | 2.1 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 218-01-9 | |
| Dibenz(a,h)anthracene | **7.2J** | ug/kg | 11.6 | 2.1 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 53-70-3 | |
| Fluoranthene | **29.4** | ug/kg | 11.6 | 0.97 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 206-44-0 | |
| Fluorene | ND | ug/kg | 11.6 | 1.9 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **16.8** | ug/kg | 11.6 | 3.3 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 193-39-5 | |
| 1-Methylnaphthalene | **6.1J** | ug/kg | 11.6 | 1.4 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 90-12-0 | |
| 2-Methylnaphthalene | **7.3J** | ug/kg | 11.6 | 1.3 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 91-57-6 | |
| Naphthalene | **6.6J** | ug/kg | 11.6 | 2.7 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 91-20-3 | |
| Phenanthrene | **11.0J** | ug/kg | 11.6 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 85-01-8 | |
| Pyrene | **28.6** | ug/kg | 11.6 | 2.1 | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 51 | % | 10-128 | | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 44 | % | 10-110 | | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 321-60-8 | |
| Terphenyl-d14 (S) | 89 | % | 39-119 | | 1 | 02/16/13 11:25 | 02/24/13 19:06 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **14.2** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:09 | | |

**Sample: SB-25** **Lab ID: 92148339010** Collected: 02/14/13 13:00 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 11.8 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 11.8 | 1.5 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 208-96-8 | |
| Anthracene | **2.0J** | ug/kg | 11.8 | 1.6 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 120-12-7 | |
| Benzo(a)anthracene | **11.7J** | ug/kg | 11.8 | 0.84 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 11.8 | 1.3 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 11.8 | 0.79 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 205-99-2 | |
| Benzo(g,h,i)perylene | **5.8J** | ug/kg | 11.8 | 3.1 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 191-24-2 | |
| Benzo(k)fluoranthene | **7.7J** | ug/kg | 11.8 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 207-08-9 | |
| Chrysene | **10.7J** | ug/kg | 11.8 | 2.1 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 218-01-9 | |
| Dibenz(a,h)anthracene | **3.5J** | ug/kg | 11.8 | 2.1 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 53-70-3 | |
| Fluoranthene | **19.5** | ug/kg | 11.8 | 0.98 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 206-44-0 | |
| Fluorene | ND | ug/kg | 11.8 | 1.9 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 86-73-7 | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92148339

**Sample: SB-25** **Lab ID: 92148339010** Collected: 02/14/13 13:00 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | **5.8J** | ug/kg | 11.8 | 3.3 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 11.8 | 1.4 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 11.8 | 1.3 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 11.8 | 2.7 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 91-20-3 | |
| Phenanthrene | **8.9J** | ug/kg | 11.8 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 85-01-8 | |
| Pyrene | **17.3** | ug/kg | 11.8 | 2.1 | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 65 | % | 10-128 | | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 54 | % | 10-110 | | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 321-60-8 | |
| Terphenyl-d14 (S) | 80 | % | 39-119 | | 1 | 02/16/13 11:25 | 02/24/13 19:27 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **15.1** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:09 | | |

**Sample: SB-24** **Lab ID: 92148339011** Collected: 02/14/13 13:10 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 11.0 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 11.0 | 1.4 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 208-96-8 | |
| Anthracene | ND | ug/kg | 11.0 | 1.5 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 120-12-7 | |
| Benzo(a)anthracene | **12.3** | ug/kg | 11.0 | 0.78 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 11.0 | 1.2 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 50-32-8 | |
| Benzo(b)fluoranthene | **12.8** | ug/kg | 11.0 | 0.74 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 205-99-2 | |
| Benzo(g,h,i)perylene | **8.5J** | ug/kg | 11.0 | 2.9 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 191-24-2 | |
| Benzo(k)fluoranthene | **9.1J** | ug/kg | 11.0 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 207-08-9 | |
| Chrysene | **13.1** | ug/kg | 11.0 | 2.0 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 218-01-9 | |
| Dibenz(a,h)anthracene | **5.7J** | ug/kg | 11.0 | 2.0 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 53-70-3 | |
| Fluoranthene | **18.7** | ug/kg | 11.0 | 0.91 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 206-44-0 | |
| Fluorene | ND | ug/kg | 11.0 | 1.8 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **9.3J** | ug/kg | 11.0 | 3.1 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 11.0 | 1.3 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 11.0 | 1.2 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 11.0 | 2.5 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 91-20-3 | |
| Phenanthrene | **4.8J** | ug/kg | 11.0 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 85-01-8 | |
| Pyrene | **16.9** | ug/kg | 11.0 | 2.0 | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 48 | % | 10-128 | | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 47 | % | 10-110 | | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 321-60-8 | |
| Terphenyl-d14 (S) | 101 | % | 39-119 | | 1 | 02/16/13 11:25 | 02/24/13 19:47 | 1718-51-0 | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92148339

**Sample: SB-24** **Lab ID: 92148339011** Collected: 02/14/13 13:10 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **9.3** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:10 | | |

**Sample: SB-23** **Lab ID: 92148339012** Collected: 02/14/13 13:20 Received: 02/15/13 13:55 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | **2.3J** | ug/kg | 10.7 | 1.6 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 10.7 | 1.4 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 208-96-8 | |
| Anthracene | **1.6J** | ug/kg | 10.7 | 1.5 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 120-12-7 | |
| Benzo(a)anthracene | **11.5** | ug/kg | 10.7 | 0.76 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 56-55-3 | |
| Benzo(a)pyrene | **24.8** | ug/kg | 10.7 | 1.2 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 50-32-8 | |
| Benzo(b)fluoranthene | **18.9** | ug/kg | 10.7 | 0.72 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 205-99-2 | |
| Benzo(g,h,i)perylene | **16.2** | ug/kg | 10.7 | 2.8 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 191-24-2 | |
| Benzo(k)fluoranthene | **14.4** | ug/kg | 10.7 | 1.6 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 207-08-9 | |
| Chrysene | **11.6** | ug/kg | 10.7 | 1.9 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 218-01-9 | |
| Dibenz(a,h)anthracene | **12.2** | ug/kg | 10.7 | 1.9 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 53-70-3 | |
| Fluoranthene | **9.7J** | ug/kg | 10.7 | 0.89 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 206-44-0 | |
| Fluorene | ND | ug/kg | 10.7 | 1.7 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **18.4** | ug/kg | 10.7 | 3.0 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 193-39-5 | |
| 1-Methylnaphthalene | **2.8J** | ug/kg | 10.7 | 1.3 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 90-12-0 | |
| 2-Methylnaphthalene | **3.2J** | ug/kg | 10.7 | 1.2 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 91-57-6 | |
| Naphthalene | **3.0J** | ug/kg | 10.7 | 2.5 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 91-20-3 | |
| Phenanthrene | **6.0J** | ug/kg | 10.7 | 1.6 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 85-01-8 | |
| Pyrene | **8.5J** | ug/kg | 10.7 | 1.9 | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 51 | % | 10-128 | | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 50 | % | 10-110 | | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 321-60-8 | |
| Terphenyl-d14 (S) | 98 | % | 39-119 | | 1 | 02/16/13 11:25 | 02/24/13 20:07 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **6.5** | % | 0.10 | 0.10 | 1 | | 02/18/13 13:10 | | |



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# QUALITY CONTROL DATA

Project: Coca Cola 208069
Pace Project No.: 92148339

QC Batch: OEXT/20834 | Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 | Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92148339001, 92148339002, 92148339003, 92148339004, 92148339005, 92148339006, 92148339007, 92148339008, 92148339009, 92148339010, 92148339011, 92148339012

METHOD BLANK: 923840 | Matrix: Solid
Associated Lab Samples: 92148339001, 92148339002, 92148339003, 92148339004, 92148339005, 92148339006, 92148339007, 92148339008, 92148339009, 92148339010, 92148339011, 92148339012

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| 2-Methylnaphthalene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Acenaphthene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Acenaphthylene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Anthracene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Benzo(a)anthracene | ug/kg | 0.74J | 10.0 | 02/24/13 16:05 | |
| Benzo(a)pyrene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Benzo(b)fluoranthene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Benzo(g,h,i)perylene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Benzo(k)fluoranthene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Chrysene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Dibenz(a,h)anthracene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Fluoranthene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Fluorene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Naphthalene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Phenanthrene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| Pyrene | ug/kg | ND | 10.0 | 02/24/13 16:05 | |
| 2-Fluorobiphenyl (S) | % | 72 | 10-110 | 02/24/13 16:05 | |
| Nitrobenzene-d5 (S) | % | 76 | 10-128 | 02/24/13 16:05 | |
| Terphenyl-d14 (S) | % | 110 | 39-119 | 02/24/13 16:05 | |

LABORATORY CONTROL SAMPLE: 923841

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | 66.7 | 29.1 | 44 | 29-108 | |
| 2-Methylnaphthalene | ug/kg | 66.7 | 30.8 | 46 | 30-104 | |
| Acenaphthene | ug/kg | 66.7 | 28.2 | 42 | 38-109 | |
| Acenaphthylene | ug/kg | 66.7 | 29.5 | 44 | 41-109 | |
| Anthracene | ug/kg | 66.7 | 36.7 | 55 | 45-114 | |
| Benzo(a)anthracene | ug/kg | 66.7 | 51.0 | 76 | 45-109 | |
| Benzo(a)pyrene | ug/kg | 66.7 | 56.3 | 84 | 47-117 | |
| Benzo(b)fluoranthene | ug/kg | 66.7 | 46.6 | 70 | 32-113 | |
| Benzo(g,h,i)perylene | ug/kg | 66.7 | 36.9 | 55 | 10-149 | |
| Benzo(k)fluoranthene | ug/kg | 66.7 | 34.6 | 52 | 41-104 | |
| Chrysene | ug/kg | 66.7 | 43.0 | 65 | 35-116 | |
| Dibenz(a,h)anthracene | ug/kg | 66.7 | 39.7 | 60 | 13-139 | |
| Fluoranthene | ug/kg | 66.7 | 62.5 | 94 | 43-110 | |
| Fluorene | ug/kg | 66.7 | 28.4 | 43 | 45-111 | L0 |
| Indeno(1,2,3-cd)pyrene | ug/kg | 66.7 | 44.3 | 66 | 17-135 | |



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**Pace Analytical Services, Inc.**
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

# QUALITY CONTROL DATA

Project: Coca Cola 208069
Pace Project No.: 92148339

LABORATORY CONTROL SAMPLE: 923841

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Naphthalene | ug/kg | 66.7 | 27.3 | 41 | 26-120 | |
| Phenanthrene | ug/kg | 66.7 | 42.3 | 63 | 45-110 | |
| Pyrene | ug/kg | 66.7 | 57.1 | 86 | 38-114 | |
| 2-Fluorobiphenyl (S) | % | | | 84 | 10-110 | |
| Nitrobenzene-d5 (S) | % | | | 80 | 10-128 | |
| Terphenyl-d14 (S) | % | | | 122 | 39-119 | |



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# QUALITY CONTROL DATA

Project: Coca Cola 208069
Pace Project No.: 92148339

QC Batch: PMST/5326 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92148339001, 92148339002, 92148339003, 92148339004, 92148339005, 92148339006, 92148339007, 92148339008, 92148339009, 92148339010, 92148339011, 92148339012

SAMPLE DUPLICATE: 923684

| Parameter | Units | 92148315002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 20.2 | 20.2 | 0 | 25 | |

SAMPLE DUPLICATE: 923685

| Parameter | Units | 92148339012 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 6.5 | 6.7 | 2 | 25 | |



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# QUALIFIERS

Project: Coca Cola 208069
Pace Project No.: 92148339

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

## LABORATORIES

| | |
|---|---|
| PASI-C | Pace Analytical Services - Charlotte |

## ANALYTE QUALIFIERS

| | |
|---|---|
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference. |
| L0 | Analyte recovery in the laboratory control sample (LCS) was outside QC limits. |
| P3 | Sample extract could not be concentrated to the routine final volume, resulting in elevated reporting limits. |
| S4 | Surrogate recovery not evaluated against control limits due to sample dilution. |



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# QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coca Cola 208069
Pace Project No.: 92148339

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **92148339001** | **SB-29** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339002** | **SB-31** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339003** | **SB-30** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339004** | **SB-21** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339005** | **SB-22** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339006** | **SB-20** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339007** | **SB-27** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339008** | **SB-26** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339009** | **SB-28** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339010** | **SB-25** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339011** | **SB-24** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339012** | **SB-23** | EPA 3546 | OEXT/20834 | EPA 8270 by SIM | MSSV/7392 |
| **92148339001** | **SB-29** | ASTM D2974-87 | PMST/5326 | | |
| **92148339002** | **SB-31** | ASTM D2974-87 | PMST/5326 | | |
| **92148339003** | **SB-30** | ASTM D2974-87 | PMST/5326 | | |
| **92148339004** | **SB-21** | ASTM D2974-87 | PMST/5326 | | |
| **92148339005** | **SB-22** | ASTM D2974-87 | PMST/5326 | | |
| **92148339006** | **SB-20** | ASTM D2974-87 | PMST/5326 | | |
| **92148339007** | **SB-27** | ASTM D2974-87 | PMST/5326 | | |
| **92148339008** | **SB-26** | ASTM D2974-87 | PMST/5326 | | |
| **92148339009** | **SB-28** | ASTM D2974-87 | PMST/5326 | | |
| **92148339010** | **SB-25** | ASTM D2974-87 | PMST/5326 | | |
| **92148339011** | **SB-24** | ASTM D2974-87 | PMST/5326 | | |
| **92148339012** | **SB-23** | ASTM D2974-87 | PMST/5326 | | |



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| Pace Analytical | Document Name: **Sample Condition Upon Receipt (SCUR)** | Document Revised: October 31, 2012 Page 1 of 2 |
|---|---|---|
| | Document Number: **F-CHR-CS-03-rev.08** | Issuing Authority: Pace Huntersville Quality Office |

WO#: 92148339

92148339

Proj. Name:

Client Name: Cetin

**Where Received:** ☑ Huntersville ☐ Asheville ☐ Eden ☐

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

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

**Packing Material:** ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

**Thermometer Used: IR Gun T1101 T1102** **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

**Temp Correction Factor** **T1101**: No Correction **T1102**: No Correction

**Corrected Cooler Temp.:** S.C C **Biological Tissue is Frozen:** Yes No N/A

Temp should be above freezing to 6°C

**Date and Initials of person examining contents:** 2/15/13

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

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

Person Contacted: Date/Time:

Comments/ Resolution:

**SCURF Review:** AMB **Date:** 2/15/13 **SRF Review:** TMD **Date:** 2/15/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1654634

**Section A** Required Client Information:

Company: Cottin
Address: 220 Old Dairy Rd.
Wilmington / NC 28405
Email To: rick.garrett@cottinusa.com
Phone: 910 452 5861 Fax: 910 452 7563
Requested Due Date/TAT:

**Section B** Required Project Information:

Report To: Rick Garrett
Copy To: Ben Ashba
Purchase Order No.: 130214-5
Project Name: Coca Cola
Project Number: 208069

**Section C** Invoice Information:

Attention: Sheila Smith
Company Name: Cottin
Address: 220 Old Dairy Rd.
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 4302-3

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N): 92148339

| ITEM # | SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED Composite Start DATE | Composite Start TIME | Composite End/Grab DATE | Composite End/Grab TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N) | 8270 SIM rpt Low runs | Residual Chlorine (Y/N) | Pace Project No./Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-29 | SL | G | | | 14Feb | 1000 | | 1 | X | | | | | | | | X | | | 001 |
| 2 | SB-31 | SL | G | | | 14Feb | 1030 | | 1 | X | | | | | | | | X | | | 002 |
| 3 | SB-30 | SL | G | | | 14Feb | 1105 | | 1 | X | | | | | | | | X | | | 003 |
| 4 | SB-21 | SL | G | | | 14Feb | 1135 | | 1 | X | | | | | | | | X | | | 004 |
| 5 | SB-22 | SL | G | | | 14Feb | 1155 | | 1 | X | | | | | | | | X | | | 005 |
| 6 | SB-20 | SL | G | | | 14Feb | 1210 | | 1 | X | | | | | | | | X | | | 006 |
| 7 | SB-27 | SL | G | | | 14Feb | 1230 | | 1 | X | | | | | | | | X | | | 007 |
| 8 | SB-26 | SL | G | | | 14Feb | 1245 | | 1 | X | | | | | | | | X | | | 008 |
| 9 | SB-28 | SL | G | | | 14Feb | 1255 | | 1 | X | | | | | | | | X | | | 009 |
| 10 | SB-25 | SL | G | | | 14Feb | 1300 | | 1 | X | | | | | | | | X | | | 010 |
| 11 | SB-24 | SL | G | | | 14Feb | 1310 | | 1 | X | | | | | | | | X | | | 011 |
| 12 | SB-23 | SL | G | | | 14Feb | 1320 | | 1 | X | | | | | | | | X | | | 012 |

8270 SIM Low runs

Resampled borings Analysis @ no charge Per Ashley Nifong

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---|---|---|---|---|---|---|---|
| | [signature] / Cottin | 14Feb13 | 1500 | [signature] | 2/14/13 | 1500 | |
| | | | | [signature] | 2-15-13 | 1220 | |
| | [signature] | 2-15-13 | 13:54 | [signature] | 2/15/13 | 13:54 | |

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: L A Wessell

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 02/14/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

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

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

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March 22, 2013

Rick Garrett
CATLIN Engineers and Scientist
220 Old Dairy Rd.
Wilmington, NC 28405

RE: Project: Coca Cola 208069
Pace Project No.: 92150620

Dear Rick Garrett:
Enclosed are the analytical results for sample(s) received by the laboratory on March 09, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

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

Sincerely,

Angela M. Baioni

Angela Baioni

angela.baioni@pacelabs.com
Project Manager

Enclosures

cc: Shelia Smith, CATLIN Engineers and Scientists



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# CERTIFICATIONS

Project: Coca Cola 208069
Pace Project No.: 92150620

**Ormond Beach Certification IDs**
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pace Analytical Services - Ormond certification number E83509
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

**Charlotte Certification IDs**
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221



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## SAMPLE SUMMARY

Project: Coca Cola 208069
Pace Project No.: 92150620

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **92150620001** | **SB-32 (1-1.5)** | Solid | 03/07/13 11:40 | 03/09/13 09:30 |
| **92150620002** | **SB-33 (0.5-1)** | Solid | 03/07/13 11:56 | 03/09/13 09:30 |
| **92150620003** | **SB-38 (.5-1)** | Solid | 03/07/13 13:45 | 03/09/13 09:30 |
| **92150620004** | **SB-34 (1-1.25)** | Solid | 03/07/13 12:19 | 03/09/13 09:30 |
| **92150620005** | **SB-35 (1-1.5)** | Solid | 03/07/13 12:38 | 03/09/13 09:30 |
| **92150620006** | **SB-36 (1-1.5)** | Solid | 03/07/13 12:58 | 03/09/13 09:30 |
| **92150620007** | **SB-37 (1-1.5)** | Solid | 03/07/13 13:20 | 03/09/13 09:30 |



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# SAMPLE ANALYTE COUNT

Project: Coca Cola 208069
Pace Project No.: 92150620

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **92150620001** | **SB-32 (1-1.5)** | EPA 8270 by SIM | BPJ | 4 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92150620002** | **SB-33 (0.5-1)** | EPA 6010 | JTJ | 2 | PASI-O |
| | | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92150620003** | **SB-38 (.5-1)** | EPA 6010 | JTJ | 2 | PASI-O |
| | | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92150620004** | **SB-34 (1-1.25)** | EPA 8270 by SIM | BPJ | 4 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92150620005** | **SB-35 (1-1.5)** | EPA 8270 by SIM | BPJ | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92150620006** | **SB-36 (1-1.5)** | EPA 8270 by SIM | BPJ | 4 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92150620007** | **SB-37 (1-1.5)** | EPA 8270 by SIM | BPJ | 4 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92150620

**Sample: SB-32 (1-1.5)** **Lab ID: 92150620001** Collected: 03/07/13 11:40 Received: 03/09/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Benzo(a)pyrene | **42.7** | ug/kg | 11.3 | 1.2 | 1 | 03/11/13 08:38 | 03/12/13 17:59 | 50-32-8 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 60 | % | 10-128 | | 1 | 03/11/13 08:38 | 03/12/13 17:59 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 53 | % | 10-110 | | 1 | 03/11/13 08:38 | 03/12/13 17:59 | 321-60-8 | |
| Terphenyl-d14 (S) | 84 | % | 39-119 | | 1 | 03/11/13 08:38 | 03/12/13 17:59 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **11.7** | % | 0.10 | 0.10 | 1 | | 03/13/13 08:56 | | |

**Sample: SB-33 (0.5-1)** **Lab ID: 92150620002** Collected: 03/07/13 11:56 Received: 03/09/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 MET ICP** | Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | |
| Chromium | **9.3** | mg/kg | 0.28 | 0.14 | 1 | 03/20/13 18:03 | 03/21/13 11:50 | 7440-47-3 | |
| Lead | **238** | mg/kg | 0.56 | 0.28 | 1 | 03/20/13 18:03 | 03/21/13 11:50 | 7439-92-1 | |
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 116 | 17.4 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 83-32-9 | |
| Acenaphthylene | **43.6J** | ug/kg | 116 | 15.1 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 208-96-8 | |
| Anthracene | **68.7J** | ug/kg | 116 | 16.2 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 120-12-7 | |
| Benzo(a)anthracene | **173** | ug/kg | 116 | 8.2 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 56-55-3 | |
| Benzo(a)pyrene | ND | ug/kg | 116 | 12.7 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 50-32-8 | |
| Benzo(b)fluoranthene | ND | ug/kg | 116 | 7.8 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 205-99-2 | |
| Benzo(g,h,i)perylene | **61.0J** | ug/kg | 116 | 30.1 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 191-24-2 | |
| Benzo(k)fluoranthene | **77.3J** | ug/kg | 116 | 17.4 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 207-08-9 | |
| Chrysene | **164** | ug/kg | 116 | 20.9 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 116 | 20.9 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 53-70-3 | |
| Fluoranthene | **276** | ug/kg | 116 | 9.6 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 206-44-0 | |
| Fluorene | **20.7J** | ug/kg | 116 | 18.5 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | ND | ug/kg | 116 | 32.4 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 193-39-5 | |
| 1-Methylnaphthalene | **15.5J** | ug/kg | 116 | 13.9 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 90-12-0 | |
| 2-Methylnaphthalene | **29.2J** | ug/kg | 116 | 12.7 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 91-57-6 | |
| Naphthalene | **31.3J** | ug/kg | 116 | 26.7 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 91-20-3 | |
| Phenanthrene | **251** | ug/kg | 116 | 17.4 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 85-01-8 | |
| Pyrene | **265** | ug/kg | 116 | 20.9 | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 10-128 | | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 4165-60-0 | D3,S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 10-110 | | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 39-119 | | 10 | 03/11/13 08:38 | 03/13/13 19:28 | 1718-51-0 | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92150620

**Sample: SB-33 (0.5-1)** **Lab ID: 92150620002** Collected: 03/07/13 11:56 Received: 03/09/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **13.7** | % | 0.10 | 0.10 | 1 | | 03/13/13 08:56 | | |

**Sample: SB-38 (.5-1)** **Lab ID: 92150620003** Collected: 03/07/13 13:45 Received: 03/09/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **6010 MET ICP** | Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | |
| Chromium | **2.5** | mg/kg | 0.29 | 0.14 | 1 | 03/20/13 18:03 | 03/21/13 11:54 | 7440-47-3 | |
| Lead | **35.8** | mg/kg | 0.58 | 0.29 | 1 | 03/20/13 18:03 | 03/21/13 11:54 | 7439-92-1 | |
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 11.7 | 1.7 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 83-32-9 | |
| Acenaphthylene | **3.1J** | ug/kg | 11.7 | 1.5 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 208-96-8 | |
| Anthracene | **3.9J** | ug/kg | 11.7 | 1.6 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 120-12-7 | |
| Benzo(a)anthracene | **19.7** | ug/kg | 11.7 | 0.83 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 56-55-3 | |
| Benzo(a)pyrene | **24.0** | ug/kg | 11.7 | 1.3 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 50-32-8 | |
| Benzo(b)fluoranthene | **19.0** | ug/kg | 11.7 | 0.78 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 205-99-2 | |
| Benzo(g,h,i)perylene | **14.5** | ug/kg | 11.7 | 3.0 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 191-24-2 | |
| Benzo(k)fluoranthene | **13.3** | ug/kg | 11.7 | 1.7 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 207-08-9 | |
| Chrysene | **25.7** | ug/kg | 11.7 | 2.1 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 218-01-9 | |
| Dibenz(a,h)anthracene | **6.2J** | ug/kg | 11.7 | 2.1 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 53-70-3 | |
| Fluoranthene | **39.5** | ug/kg | 11.7 | 0.97 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 206-44-0 | |
| Fluorene | ND | ug/kg | 11.7 | 1.9 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **13.1** | ug/kg | 11.7 | 3.3 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 193-39-5 | |
| 1-Methylnaphthalene | **3.2J** | ug/kg | 11.7 | 1.4 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 90-12-0 | |
| 2-Methylnaphthalene | **7.2J** | ug/kg | 11.7 | 1.3 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 91-57-6 | |
| Naphthalene | **6.9J** | ug/kg | 11.7 | 2.7 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 91-20-3 | |
| Phenanthrene | **17.4** | ug/kg | 11.7 | 1.7 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 85-01-8 | |
| Pyrene | **36.4** | ug/kg | 11.7 | 2.1 | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 61 | % | 10-128 | | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 45 | % | 10-110 | | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 321-60-8 | |
| Terphenyl-d14 (S) | 79 | % | 39-119 | | 1 | 03/11/13 08:38 | 03/12/13 18:39 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **14.2** | % | 0.10 | 0.10 | 1 | | 03/13/13 08:56 | | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92150620

**Sample: SB-34 (1-1.25)** **Lab ID: 92150620004** Collected: 03/07/13 12:19 Received: 03/09/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Benzo(a)pyrene | ND | ug/kg | 119 | 13.1 | 10 | 03/11/13 08:38 | 03/13/13 15:47 | 50-32-8 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 10-128 | | 10 | 03/11/13 08:38 | 03/13/13 15:47 | 4165-60-0 | D3,S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 10-110 | | 10 | 03/11/13 08:38 | 03/13/13 15:47 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 39-119 | | 10 | 03/11/13 08:38 | 03/13/13 15:47 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **15.9** | % | 0.10 | 0.10 | 1 | | 03/13/13 08:56 | | |

**Sample: SB-35 (1-1.5)** **Lab ID: 92150620005** Collected: 03/07/13 12:38 Received: 03/09/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 118 | 17.7 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 83-32-9 | |
| Acenaphthylene | ND | ug/kg | 118 | 15.3 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 208-96-8 | |
| Anthracene | **58.0J** | ug/kg | 118 | 16.5 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 120-12-7 | |
| Benzo(a)anthracene | **393** | ug/kg | 118 | 8.4 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 56-55-3 | IO |
| Benzo(a)pyrene | **360** | ug/kg | 118 | 13.0 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 50-32-8 | |
| Benzo(b)fluoranthene | **273** | ug/kg | 118 | 7.9 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 205-99-2 | |
| Benzo(g,h,i)perylene | **177** | ug/kg | 118 | 30.7 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 191-24-2 | IO |
| Benzo(k)fluoranthene | **187** | ug/kg | 118 | 17.7 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 207-08-9 | |
| Chrysene | **419** | ug/kg | 118 | 21.2 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 218-01-9 | |
| Dibenz(a,h)anthracene | ND | ug/kg | 118 | 21.2 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 53-70-3 | IO |
| Fluoranthene | **709** | ug/kg | 118 | 9.8 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 206-44-0 | |
| Fluorene | ND | ug/kg | 118 | 18.9 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **161** | ug/kg | 118 | 33.0 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 193-39-5 | IO |
| 1-Methylnaphthalene | ND | ug/kg | 118 | 14.1 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 118 | 13.0 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 118 | 27.1 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 91-20-3 | |
| Phenanthrene | **283** | ug/kg | 118 | 17.7 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 85-01-8 | |
| Pyrene | **633** | ug/kg | 118 | 21.2 | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 10-128 | | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 4165-60-0 | D3,S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 10-110 | | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 39-119 | | 10 | 03/11/13 08:38 | 03/13/13 19:48 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **15.2** | % | 0.10 | 0.10 | 1 | | 03/13/13 08:56 | | |



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# ANALYTICAL RESULTS

Project: Coca Cola 208069
Pace Project No.: 92150620

**Sample: SB-36 (1-1.5)** **Lab ID: 92150620006** Collected: 03/07/13 12:58 Received: 03/09/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Benzo(a)pyrene | ND | ug/kg | 11.9 | 1.3 | 1 | 03/11/13 08:38 | 03/13/13 13:27 | 50-32-8 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 67 | % | 10-128 | | 1 | 03/11/13 08:38 | 03/13/13 13:27 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 50 | % | 10-110 | | 1 | 03/11/13 08:38 | 03/13/13 13:27 | 321-60-8 | |
| Terphenyl-d14 (S) | 56 | % | 39-119 | | 1 | 03/11/13 08:38 | 03/13/13 13:27 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **15.9** | % | 0.10 | 0.10 | 1 | | 03/13/13 08:56 | | |

**Sample: SB-37 (1-1.5)** **Lab ID: 92150620007** Collected: 03/07/13 13:20 Received: 03/09/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Benzo(a)pyrene | ND | ug/kg | 11.8 | 1.3 | 1 | 03/11/13 08:38 | 03/13/13 13:47 | 50-32-8 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 60 | % | 10-128 | | 1 | 03/11/13 08:38 | 03/13/13 13:47 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 50 | % | 10-110 | | 1 | 03/11/13 08:38 | 03/13/13 13:47 | 321-60-8 | |
| Terphenyl-d14 (S) | 36 | % | 39-119 | | 1 | 03/11/13 08:38 | 03/13/13 13:47 | 1718-51-0 | S0 |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **15.4** | % | 0.10 | 0.10 | 1 | | 03/13/13 08:56 | | |



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# QUALITY CONTROL DATA

Project: Coca Cola 208069
Pace Project No.: 92150620

QC Batch: MPRP/12625 | Analysis Method: EPA 6010
QC Batch Method: EPA 3050 | Analysis Description: 6010 MET
Associated Lab Samples: 92150620002, 92150620003

METHOD BLANK: 587829 | Matrix: Solid
Associated Lab Samples: 92150620002, 92150620003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Chromium | mg/kg | ND | 0.25 | 03/21/13 10:05 | |
| Lead | mg/kg | ND | 0.50 | 03/21/13 10:05 | |

LABORATORY CONTROL SAMPLE: 587830

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Chromium | mg/kg | 12.4 | 13.1 | 106 | 80-120 | |
| Lead | mg/kg | 12.4 | 13.2 | 107 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 587831 587832

| Parameter | Units | 3586351001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chromium | mg/kg | 14.1 | 82.9 | 79.5 | 98.6 | 94.0 | 102 | 101 | 75-125 | 5 | 20 | |
| Lead | mg/kg | 16.3 | 82.9 | 79.5 | 102 | 93.9 | 103 | 98 | 75-125 | 8 | 20 | |



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# QUALITY CONTROL DATA

Project: Coca Cola 208069
Pace Project No.: 92150620

QC Batch: OEXT/21127 — Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 — Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92150620001, 92150620002, 92150620003, 92150620004, 92150620005, 92150620006, 92150620007

METHOD BLANK: 936027 — Matrix: Solid
Associated Lab Samples: 92150620001, 92150620002, 92150620003, 92150620004, 92150620005, 92150620006, 92150620007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| 2-Methylnaphthalene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Acenaphthene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Acenaphthylene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Anthracene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Benzo(a)anthracene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Benzo(a)pyrene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Benzo(b)fluoranthene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Benzo(g,h,i)perylene | ug/kg | 2.9J | 10.0 | 03/12/13 14:58 | |
| Benzo(k)fluoranthene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Chrysene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Dibenz(a,h)anthracene | ug/kg | 2.3J | 10.0 | 03/12/13 14:58 | |
| Fluoranthene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Fluorene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Naphthalene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Phenanthrene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| Pyrene | ug/kg | ND | 10.0 | 03/12/13 14:58 | |
| 2-Fluorobiphenyl (S) | % | 61 | 10-110 | 03/12/13 14:58 | |
| Nitrobenzene-d5 (S) | % | 67 | 10-128 | 03/12/13 14:58 | |
| Terphenyl-d14 (S) | % | 94 | 39-119 | 03/12/13 14:58 | |

LABORATORY CONTROL SAMPLE: 936028

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | 33.3 | 24.2 | 73 | 29-108 | |
| 2-Methylnaphthalene | ug/kg | 33.3 | 25.7 | 77 | 30-104 | |
| Acenaphthene | ug/kg | 33.3 | 24.0 | 72 | 38-109 | |
| Acenaphthylene | ug/kg | 33.3 | 25.3 | 76 | 41-109 | |
| Anthracene | ug/kg | 33.3 | 26.2 | 79 | 45-114 | |
| Benzo(a)anthracene | ug/kg | 33.3 | 26.3 | 79 | 45-109 | |
| Benzo(a)pyrene | ug/kg | 33.3 | 27.0 | 81 | 47-117 | |
| Benzo(b)fluoranthene | ug/kg | 33.3 | 21.6 | 65 | 32-113 | |
| Benzo(g,h,i)perylene | ug/kg | 33.3 | 22.1 | 66 | 10-149 | |
| Benzo(k)fluoranthene | ug/kg | 33.3 | 25.6 | 77 | 41-104 | |
| Chrysene | ug/kg | 33.3 | 27.9 | 84 | 35-116 | |
| Dibenz(a,h)anthracene | ug/kg | 33.3 | 18.5 | 55 | 13-139 | |
| Fluoranthene | ug/kg | 33.3 | 24.4 | 73 | 43-110 | |
| Fluorene | ug/kg | 33.3 | 24.0 | 72 | 45-111 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | 33.3 | 20.1 | 60 | 17-135 | |
| Naphthalene | ug/kg | 33.3 | 23.8 | 71 | 26-120 | |



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Huntersville, NC 28078
(704)875-9092

# QUALITY CONTROL DATA

Project: Coca Cola 208069
Pace Project No.: 92150620

LABORATORY CONTROL SAMPLE: 936028

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Phenanthrene | ug/kg | 33.3 | 24.4 | 73 | 45-110 | |
| Pyrene | ug/kg | 33.3 | 26.1 | 78 | 38-114 | |
| 2-Fluorobiphenyl (S) | % | | | 67 | 10-110 | |
| Nitrobenzene-d5 (S) | % | | | 74 | 10-128 | |
| Terphenyl-d14 (S) | % | | | 98 | 39-119 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 936029 936030

| Parameter | Units | 92150593001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | ND | 38.8 | 38.8 | 28.2 | 29.2 | 73 | 75 | 50-150 | 3 | 30 | |
| 2-Methylnaphthalene | ug/kg | ND | 38.8 | 38.8 | 29.8 | 31.1 | 77 | 80 | 50-150 | 4 | 30 | |
| Acenaphthene | ug/kg | ND | 38.8 | 38.8 | 26.6 | 28.0 | 68 | 72 | 50-150 | 5 | 30 | |
| Acenaphthylene | ug/kg | ND | 38.8 | 38.8 | 28.1 | 29.2 | 72 | 75 | 50-150 | 4 | 30 | |
| Anthracene | ug/kg | ND | 38.8 | 38.8 | 29.4 | 28.9 | 76 | 74 | 50-150 | 2 | 30 | |
| Benzo(a)anthracene | ug/kg | ND | 38.8 | 38.8 | 30.4 | 29.0 | 78 | 75 | 50-150 | 5 | 30 | |
| Benzo(a)pyrene | ug/kg | ND | 38.8 | 38.8 | 30.1 | 28.1 | 77 | 72 | 50-150 | 7 | 30 | |
| Benzo(b)fluoranthene | ug/kg | ND | 38.8 | 38.8 | 25.7 | 24.0 | 66 | 62 | 50-150 | 7 | 30 | |
| Benzo(g,h,i)perylene | ug/kg | ND | 38.8 | 38.8 | 22.6 | 19.8 | 58 | 51 | 50-150 | 14 | 30 | |
| Benzo(k)fluoranthene | ug/kg | ND | 38.8 | 38.8 | 21.1 | 19.8 | 54 | 51 | 50-150 | 6 | 30 | |
| Chrysene | ug/kg | ND | 38.8 | 38.8 | 29.6 | 28.5 | 76 | 73 | 50-150 | 4 | 30 | |
| Dibenz(a,h)anthracene | ug/kg | ND | 38.8 | 38.8 | 22.4 | 19.9 | 58 | 51 | 50-150 | 12 | 30 | |
| Fluoranthene | ug/kg | ND | 38.8 | 38.8 | 30.4 | 28.5 | 75 | 70 | 50-150 | 6 | 30 | |
| Fluorene | ug/kg | ND | 38.8 | 38.8 | 26.5 | 27.3 | 66 | 68 | 50-150 | 3 | 30 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | ND | 38.8 | 38.8 | 23.0 | 20.3 | 59 | 52 | 50-150 | 12 | 30 | |
| Naphthalene | ug/kg | ND | 38.8 | 38.8 | 26.1 | 27.5 | 67 | 71 | 50-150 | 5 | 30 | |
| Phenanthrene | ug/kg | ND | 38.8 | 38.8 | 28.3 | 28.0 | 71 | 70 | 50-150 | 1 | 30 | |
| Pyrene | ug/kg | ND | 38.8 | 38.8 | 32.0 | 30.1 | 80 | 75 | 50-150 | 6 | 30 | |
| 2-Fluorobiphenyl (S) | % | | | | | | 62 | 66 | 10-110 | | | |
| Nitrobenzene-d5 (S) | % | | | | | | 68 | 72 | 10-128 | | | |
| Terphenyl-d14 (S) | % | | | | | | 89 | 96 | 39-119 | | | |



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(704)875-9092

# QUALITY CONTROL DATA

Project: Coca Cola 208069
Pace Project No.: 92150620

QC Batch: PMST/5383 | Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 | Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92150620001, 92150620002, 92150620003, 92150620004, 92150620005, 92150620006, 92150620007

SAMPLE DUPLICATE: 936801

| Parameter | Units | 92150720009 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 20.1 | 21.2 | 5 | 25 | |

SAMPLE DUPLICATE: 936802

| Parameter | Units | 92150644001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 22.7 | 22.1 | 3 | 25 | |



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# QUALIFIERS

Project: Coca Cola 208069
Pace Project No.: 92150620

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

## LABORATORIES

| | |
|---|---|
| PASI-C | Pace Analytical Services - Charlotte |
| PASI-O | Pace Analytical Services - Ormond Beach |

## ANALYTE QUALIFIERS

| | |
|---|---|
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference. |
| IO | The internal standard response was outside the laboratory acceptance limits confirmed by reanalysis. The results reported are from the most QC compliant analysis. |
| S0 | Surrogate recovery outside laboratory control limits. |
| S4 | Surrogate recovery not evaluated against control limits due to sample dilution. |



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# QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Coca Cola 208069
Pace Project No.: 92150620

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **92150620002** | **SB-33 (0.5-1)** | EPA 3050 | MPRP/12625 | EPA 6010 | ICP/8106 |
| **92150620003** | **SB-38 (.5-1)** | EPA 3050 | MPRP/12625 | EPA 6010 | ICP/8106 |
| **92150620001** | **SB-32 (1-1.5)** | EPA 3546 | OEXT/21127 | EPA 8270 by SIM | MSSV/7465 |
| **92150620002** | **SB-33 (0.5-1)** | EPA 3546 | OEXT/21127 | EPA 8270 by SIM | MSSV/7465 |
| **92150620003** | **SB-38 (.5-1)** | EPA 3546 | OEXT/21127 | EPA 8270 by SIM | MSSV/7465 |
| **92150620004** | **SB-34 (1-1.25)** | EPA 3546 | OEXT/21127 | EPA 8270 by SIM | MSSV/7465 |
| **92150620005** | **SB-35 (1-1.5)** | EPA 3546 | OEXT/21127 | EPA 8270 by SIM | MSSV/7465 |
| **92150620006** | **SB-36 (1-1.5)** | EPA 3546 | OEXT/21127 | EPA 8270 by SIM | MSSV/7465 |
| **92150620007** | **SB-37 (1-1.5)** | EPA 3546 | OEXT/21127 | EPA 8270 by SIM | MSSV/7465 |
| **92150620001** | **SB-32 (1-1.5)** | ASTM D2974-87 | PMST/5383 | | |
| **92150620002** | **SB-33 (0.5-1)** | ASTM D2974-87 | PMST/5383 | | |
| **92150620003** | **SB-38 (.5-1)** | ASTM D2974-87 | PMST/5383 | | |
| **92150620004** | **SB-34 (1-1.25)** | ASTM D2974-87 | PMST/5383 | | |
| **92150620005** | **SB-35 (1-1.5)** | ASTM D2974-87 | PMST/5383 | | |
| **92150620006** | **SB-36 (1-1.5)** | ASTM D2974-87 | PMST/5383 | | |
| **92150620007** | **SB-37 (1-1.5)** | ASTM D2974-87 | PMST/5383 | | |



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# Pace Analytical Services

9800 Kincey Ave., Suite 100
Huntersville, NC 28078

Project No: 92150620

Hexavalent Chromium

EPA Method 3060A/SW846-7199 Analyses

Analytical Report
20144

Element One, Inc.
6319-D Carolina Beach Rd., Wilmington, NC 28412
910-793-0128 FAX: 910-792-6853 e1lab@e1lab.com

The following data for Analytical Report 20144
has been reviewed for completeness, accuracy,
adherence to method protocol,
and compliance with quality assurance guidelines.

Review by:

Katie Strickland, Chemist
March 21, 2013

Report Reviewed and Finalized By:

Ken Smith, Laboratory Director
March 21, 2013

# SUMMARY OF RESULTS

# Summary of Analysis

## Summary of Chromium (VI) Analysis

| Element | SB-33 (0.5-1)<br>e20144-1<br>µg/g | SB-38 (.5-1)<br>e20144-2<br>µg/g |
|---|---|---|
| Chromium(VI), as Received | 0.731 | 0.304 |
| Chromium(VI), Dry Basis | 0.847 | 0.354 |
| *Solids, % | 86.3% | 85.8% |

*Percent Solids performed by client.

# ANALYTICAL NARRATIVE

# Element One Analytical Narrative

| | | | |
|---|---|---|---|
| Client: | Pace Analytical | Element One #: | 20144 |
| Client ID: | 92150620/Coca Cola 208069 | Analyst: | LAL |
| Method: | M3060A/SW846-7199 | Dates Received: | 03/12/31 |
| Analytes: | Chromium (VI) | Dates Analyzed: | 03/14/13 |

## Summary of Analysis

The Chromium (VI) samples were digested according to EPA Method 3060A protocol. Samples were analyzed for Chromium (VI) according to SW846-7199 method protocol using a Shimadzu 2010 HPLC unit and a Timberline RDR-1 Reaction Module.

## Detection Limits

The Shimadzu 2010 HPLC instrument detection limit for chromium (VI) was 1.0µg/L.

## Analysis QA/QC

Duplicate analyses relative percent difference (RPD) and spike sample recovery data are summarized in the Quality Control Section. All QA/QC data was within the criteria of the method.

## Additional Comments

The reported results have not been corrected for any blank values or spike recovery values.
Due to matrix interferences it was necessary to analyze all chromium (VI) samples at a minimum five-fold dilution.

# QUALITY CONTROL SUMMARY

# Summary of Quality Control Data

## Chromium VI Duplicate Analysis RPD

*(Method QC limits: < 20% for RPD)*

| Element | SB-33 (0.5-1) RPD | SB-38 (.5-1) RPD |
|---|---|---|
| Chromium VI | 5.1% | 7.2% |

## Chromium VI Analysis Spike Recoveries

*(Method QC limits: 75-125% for Pre-Spike Recoveries, 90-100% for Post-Spike Recoveries)*

| Element | SB-33 (0.5-1) Recovery | SB-38 (.5-1) Recovery |
|---|---|---|
| Chromium VI, Pre-Spike | 99% | ----- |
| Chromium VI, Post-Spike | 99% | 100% |

# SAMPLE CUSTODY

20144

# Chain of Custody

Pace Analytical®
www.pacelabs.com

**Workorder:** 92150620 **Workorder Name:** Coca Cola 208069 **Results Requested** 3/25/2013

| Report / Invoice To | Subcontract To |
|---|---|
| Angela Baioni<br>Pace Analytical Charlotte<br>9800 Kincey Ave. Suite 100<br>Huntersville, NC 28078<br>Phone (704)875-9092 Ext 233<br>Email: angela.baioni@pacelabs.com | Element One, Inc. P.O. CHS 12250<br>8319-D Carolina Beach Rd<br>Wilmington, NC 28412 |

Requested Analysis: ✓ Cr+6 by 3060A by HPLC

| Item | Sample ID | Collect Date/Time | Lab ID | Matrix | Preserved Containers: Unpreserved | LAB USE ONLY |
|---|---|---|---|---|---|---|
| 1 | SB-33 (0.5-1) | 3/7/2013 11:56 | 92150620002 | Solid | 1 | |
| 2 | SB-38 (.5-1) | 3/7/2013 13:45 | 92150620003 | Solid | 1 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

| Transfers | Released By | Date/Time | Received By | Date/Time |
|---|---|---|---|---|
| 1 | Baioni PACE | 3/9/13 | FedEx | |
| 2 | | | | |
| 3 | | | Lisa Brinton | 3/12/13 1107 |

Comments: * Please report as low as you can. 1ng/g ~~ug/g~~ (if possible (what was quoted via phone)

| Cooler Temperature on Receipt | Custody Seal | Received on Ice | Samples Intact |
|---|---|---|---|
| 0 °C | Y or N | Y or N | Y or N |

# ANALYTICAL DATA

# Analytical Calculations

**Cr (VI)-**

**Total $Cr^{+6}$ (ug/g) = [$Cr^{+6}$ Results (µg/L)*Dilution*Final Volume (mL)/Sample Weight (g)]/1000**

**Where-**

$Cr^{+6}$ Results= Raw sample concentration (ppb)—*HPLC Data Sheet*

Dilution= $\frac{\text{Diluted Volume}}{\text{Aliquot}}$—*HPLC Data Sheet*

Final Volume--*Sample Submission*

Sample Weight-- *HPLC Data Sheet*

elementOne **Industrial Sample Submission Form** **Lab ID** 20144

Analysis Due Date 03.19.13
QA/QC/Report Due Date 03.21.13

| | |
|---|---|
| Client | Pace Analytical Services |
| Project No | 92150620 |

| | |
|---|---|
| Date Rec | 03.12.13 |
| Time Rec | 1107 |

**Sample Identification**

| | | | |
|---|---|---|---|
| 1 | SB-33 (0.5-1) | | |
| 2 | SB-38 (.5-1) | | |
| | | | |
| | | | |
| | | | |

**Analyses Requested**

| | |
|---|---|
| Samples 1-2 | Hexavalent Chromium |

**NOTE: Duplicate and Spike per method requirements**

**Lab Communications**

Please report as low as possible---1 ng/g

Samples had to be prepped on 3 separate occasions to determine appropriate weight & dilution for pre & post spk recovery

- Samples were thoroughly mixed to ensure the sample was homogeneous

[% Solid -1 (0.5-1) 13.7%
-2 (.5-1) 14.2%]

↓

Called Angela Baioni to find out if we need to do a % solid on sample she informed me they already had those numbers and quoted them to me so that they could be fuelined into the report (% solids listed above)

(704) 875-9092 Ext 233

LAL 3.20.13 4:00pm

SS Page 1 of 1
SS by LAB
3/12/2013 12:38:13 PM

Labeled By / Date LAB 3-12-13
ID Verification By / Date LAL 3.14.13

elementOne **M3060A Hexavalent Chrome Sample Preparation Worksheet** Lab ID # e

Date : 3·13·13 Analyst: LAL Hot Block Temp: 92.68 Start: 2:00 Stop: 3:30

Digestion Soln Lot#: LC1-124-3 pH:~10 Phosphate Buffer Lot #: LC1-104-4 pH: ~6

MgCl2 Lot#: 0922 mM 10% H2SO4 Acid Lot #: — PbCrO4 Lot #: —

Spiking Solution Lot# LC1-122-2 QC Standard Solution Lot# LC1-122-3

| SAMPLE ID | WEIGHT gms | SPIKE ppb | Vol Digest Soln ml | Vol Buffer Soln ml | Wt of MgCl2 g | Final Vol of Digestate ml | Aliq Used ml | Vol of H2SO4 ml/pH | Final Vol ml | Dil Fact |
|---|---|---|---|---|---|---|---|---|---|---|
| 20144-1 | 2.8575 | | 25 | .25 | .2 | 50 | | | | |
| -1D | 2.7044 | | | | | | | | | |
| -2 | 2.9295 | | | | | | | | | |
| presp -2+ | 2.8683 | 10 ppb | | | | | | | | |
| V=259 19022-11 | .5598 | | | | | | | | | |
| LAL 3·13·13 | .5598 | | | | | | | | | |
| | | | | | | | | | | |
| Rechecks | | | | | | | | | | |
| 20144-1 | 2.5125 | | | | | | | | | |
| -1D | 2.4897 | | | | | | | | | |
| -1+ pre | 2.5569 | 5 ppb | | | | | | | | |
| | | | | | | | | | | |
| 20144-1 | 1.3705 | | | | | | | | | |
| -1D | 1.4737 | | | | | | | | | |
| -1+ | 1.4819 | | | | | | | | | |
| -2 | 1.0247 | | | | | | | | | |
| -2+ | 1.1040 | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

**NOTES: If final vol. = 50ml, taking a 5ml aliquot, adjusting pH to 8-9, then diluting with DI H2O 4fold will remove any interfering carbamate/oxygen during the LC analysis. Therefore, adjust the calibration curve point concentrations accordingly to fit that dilution.**

Samples were repuepped and run 3 different times to minimize the matrix interferance so that pre-spk was recovered

Element One, Inc. Form 199 - Revision 0

elementOne

# HPLC Data Sheet

Lab ID #: 20144

**Client:** Pace
**Date:** 03.18.13
**Analyst:** LAL

**Project ID:** 92150620
**Detection Limit, ( µg/L):** 1.0
**Method ID :** SW 846-7199, M3060A

| Sample ID | Cr+6, µg/L | Dilution | Weight (g) | Final Vol, ml | Results Cr+6,µg/g | spk conc(µ/L) | %Recovery | RPD | Data Filename |
|---|---|---|---|---|---|---|---|---|---|
| LRB | 0.190 | 1 | 1.0000 | 50.0 | < 0.05 | | | | 031413-14.dat |
| LRB spk | 4.920 | 1 | 1.0000 | 50.0 | 0.246 | 5.0 | 98% | | 031413-15.dat |
| 20144-1 | 4.110 | 5 | 1.3705 | 50.0 | 0.750 | | | | 031413-306.dat |
| 20144-1 dup | 4.200 | 5 | 1.4737 | 50.0 | 0.712 | | | 5.1% | 031413-307.dat |
| 20144-1 pre spk | 9.060 | 5 | 1.4819 | 50.0 | 1.53 | 5.0 | 99% | | 031413-308.dat |
| 20144-1 post spk | 9.070 | 5 | 1.3705 | 50.0 | 1.65 | 5.0 | 99% | | 031413-309.dat |
| 20144-2 | 1.290 | 5 | 1.0247 | 50.0 | 0.315 | | | | 031413-310.dat |
| 20144-2 dup | 1.200 | 5 | 1.0247 | 50.0 | 0.293 | | | 7.2% | 031413-311.dat |
| 20144-2 post spk | 6.300 | 5 | 1.0247 | 50.0 | 1.54 | 5.0 | 100% | | 031413-313.dat |
| 19022-11 | 24.230 | 100 | 0.5598 | 50.0 | 216 | 239 | 91% | | 031413-111.dat |
| 19022-11 dup | 24.060 | 100 | 0.5598 | 50.0 | 215 | 239 | 90% | | 031413-112.dat |

Correlation Coefficient 0.999902

**Standards**

| | | |
|---|---|---|
| 0.0 ppb | 0.000 | Cal_031413-11.dat |
| 1.0 ppb | 1.000 | Cal_031413-12.dat |
| 5.0 ppb | 5.000 | Cal_031413-13.dat |
| 10.0 ppb | 10.000 | Cal_031413-14.dat |
| 50.0 ppb | 50.000 | Cal_031413-15.dat |

**Secondary Standards**

| | | | | |
|---|---|---|---|---|
| QC 5.0 | 5.02 | 5.00 | 100% | 031413-11.dat |
| QC 5.0 | 5.06 | 5.00 | 101% | 031413-200.dat |
| QC 5.0 | 4.96 | 5.00 | 99% | 031413-314.dat |
| QC 5.0 | 4.97 | 5.00 | 99% | 031413-113.dat |
| DL 1.0 | 1.03 | 1.00 | 103% | 031413-13.dat |

elementOne(20144

Analyst: LAL 031413-1

## *Sequence Summary Report*

| | |
|---|---|
| **Sequence name:** | 031413-1.seq |
| **Analyst:** | System |

| **UV Detector Ch1-540nm** | | **Chromium** |
|---|---|---|
| **Data Filename** | **Sample ID** | **ESTD** |
| 031413-504.dat | blank | 0.00 |
| 031413-503.dat | blank | 0.00 |
| Cal_031413-11.dat | 0.0 ppb | 0.00 |
| Cal_031413-12.dat | 1.0 ppb | 1.00 |
| Cal_031413-13.dat | 5.0 ppb | 5.00 |
| Cal_031413-14.dat | 10.0 ppb | 10.00 |
| Cal_031413-15.dat | 50.0 ppb | 50.00 |
| 031413-11.dat | QC 5.0 | 5.02 |
| 031413-12.dat | blank | 0.00 |
| 031413-13.dat | DL 1.0 | 1.03 |
| 031413-14.dat | LRB | 0.19 |
| 031413-15.dat | LRB spk | 4.92 |
| 031413-16.dat | 20144-1 | 10.19 |
| 031413-17.dat | 20144-1 dup | 21.24 |
| 031413-18.dat | 20144-2 | 2.81 |
| 031413-19.dat | 20144-2 pre spk | 2.32 |
| 031413-110.dat | 20144-2 post spk | 8.01 |
| 031413-111.dat | 19022-11 | 24.23 |
| 031413-112.dat | 19022-11 dup | 24.06 |
| 031413-20.dat | 20144-1 5x | 6.84 |
| 031413-25.dat | 20144-1 re 5x | 4.83 |
| 031413-26.dat | 20144-1 re 5x dup | 8.19 |
| 031413-21.dat | 20144-1 5x dup | 8.18 |
| 031413-22.dat | 20144-2 5x | 0.83 |
| 031413-23.dat | 20144-2 5x pre spk | 2.55 |
| 031413-24.dat | 20144-2 5x post spk | 5.81 |
| 031413-200.dat | QC 5.0 | 5.06 |
| 031413-201.dat | 20144-1 reprep 5x | 1.70 |
| 031413-202.dat | 20144-1 reprep dup 5x | 1.70 |
| 031413-203.dat | 20144-1 reprep pre spk 5x | 3.54 |
| 031413-204.dat | QC 5.0 | 5.09 |
| 031413-305.dat | QC 5.0 | 4.71 |
| 031413-306.dat | 20114-1 d3 | 4.11 |
| 031413-307.dat | 20114-1 d3 dup | 4.20 |
| 031413-308.dat | 20114-1 d3 pre spk | 9.06 |
| 031413-309.dat | 20114-1 d3 post spk | 9.07 |
| 031413-310.dat | 20114-2 d3 | 1.29 |
| 031413-311.dat | 20114-2 d3 dup | 1.20 |
| 031413-312.dat | 20114-2 d3 pre spk | 3.16 |
| 031413-313.dat | 20114-2 d3 post spk | 6.30 |
| 031413-314.dat | QC 5.0 | 4.96 |
| 031413-113.dat | QC 5.0 | 4.97 |

LAL (20144)

Results reported

3/18/2013 3:56:32 PM 1/2 - 1

R2 = .999902
3060A PACE
20144 (1-2)

# HPLC-Run Sheet

Analyst: LAL
Batch ID: 031413-1
Std. Lot #: LC1-122-2
QC Lot#: LC1-122-3
Lab ID: ~~031413-1~~
Date: 03.14.13

| Vial # | Sample ID | Weight | Dilutions | Spk Conc. | Final Vol. | Area | Conc(ppb) |
|---|---|---|---|---|---|---|---|
| 1 | Blank | | | | | — | 0.000 |
| 2 | Blank | | | | | — | 0.000 |
| 3 | 0.0 | | | | | 4103 | 0.000 |
| 4 | 1.0 | | | | | 17284 | 1.000 |
| 5 | 5.0 | | | | | 72421 | 5.000 |
| 6 | 10.0 | | | | | 144621 | 10.000 |
| 7 | 50.0 | | | | | 741824 | 50.000 |
| 8 | QC | | | | | 77197 | 5.025 |
| 9 | Blank | | | | | — | 0.000 |
| 10 | DL | | | | | 15841 | 1.028 |
| 11 | LRB | | | | | 3417 | 0.189 |
| 12 | LRB+ | | | | | 73406 | 4.916 |
| 13 | 20144-1 | 2.8575 | 2x | | | 150209 | 10.191 |
| 14 | -1D | 2.7044 | ↓ | | | 315033 | 21.237 |
| 15 | -2 | 2.9295 | ↓ | | | 42261 | 2.812 |
| 16 | -2 pre spk | 2.8683 | ↓ | 5.10 ppb LAL 3.14.13 | | 35608 | 2.323 |
| 17 | -2 postspk | 2.9295 | | 5.10 ppb | | 108828 | ~~7.806~~ 3.006 |
| 18 | 190022-11 | 0.5598 | 100x | TV=239 | 216 | 359363 | 24.231 |
| 19 | -11D | ↓ | ↓ | ↓ | 214 | 356822 | 24.059 |
| 20 | QC | | | | | 74168 | 4.968 |
| 21 | Blank | | | | | — | Blank |
| 22 | 20144-1 | | 5x | | | 10945 | 6.844 |
| 23 | -1D | | ↓ | | | 12734 | 8.180 |
| 24 | -2 | | | | | 12281 | 0.831 |
| 25 | -2 pre | | | 2.0 ppb | | 38368 | 2.549 |
| 26 | -2 post | | ↓ | 5.0 ppb | | 86703 | 5.814 |
| 27 | -1 | | 5x | | | 72183 | 4.833 |
| 28 | -1D | | ↓ | | | 121946 | 8.195 |
| 29 | QC | | | | | 75522 | 5.050 |

Insert Seque

Insert

HPLC Cr+6 Run Sheet 1-23-2012

1 of 2

## HPLC-Run Sheet

Analyst: LAL
Batch ID: 031413-1
Std. Lot #: LC1-122-2
QC Lot#: LC1-122-3
Lab ID: 20144 (1-2)
Date: 03.14.13

| Vial # | Sample ID | Weight | Dilutions | Spk Conc. | Final Vol. | Area | Conc(ppb) |
|---|---|---|---|---|---|---|---|
| 30 | 20144-1 | 2.5125 | 5x | | | 25852 | 1.704 |
| 31 | -1D | 2.4897 | ↓ | | | 25731 | 1.696 |
| 32 | -1+ | ~~2.5869~~ | ↓ | 5ppb | | | |
| 33 | LAL | 2.5869 | | | | | |
| 34 | 3.14.13 | | | | | | |
| 35 | QC | | | | | 75931 | 5.087 |
| 36 | Day 3 QC | | | | | 70349 | 4.710 |
| 37 | 20114-1 | 1.3705 | | | | 61420 | 4.106 |
| 38 | -1D | 1.4737 | | | | 62740 | 4.196 |
| 39 | -1 pre spk | 1.4819 | | | | 134829 | 9.066 |
| 40 | -1 post spk | 1.3705 | | | | 134880 | 9.088 |
| 41 | 20114-2 | 1.4819 | | | | 19756 | 1.292 |
| 42 | -2 dup | 1.0247 | | | | 18450 | 1.204 |
| 43 | -2 pre spk | ~~1.0247~~ 1.1040 | | | | 47385 | 3.158 |
| 44 | -2 post spk | 1.0247 | | | | 93944 | 6.263 |
| 45 | QC | | | | | 74030 | 4.958 |
| 46 | | | | | | | |
| 47 | | | | | | | |
| 48 | | | | | | | |
| 49 | | | | | | | |
| 50 | | | | | | | |
| 51 | | | | | | | |
| 52 | | | | | | | |
| 53 | | | | | | | |
| 54 | | | | | | | |
| 55 | | | | | | | |
| 56 | | | | | | | |
| 57 | | | | | | | |
| 58 | | | | | | | |

Repeat

Insert

| Pace Analytical | Sample Condition Upon Receipt (SCUR) | Page 1 of 2 |
|---|---|---|
| | Document Number: F-CHR-CS-03-rev.09 | Issuing Authority: Pace Huntersville Quality Office |

Client Name: Catlin Project # 92150620

**Where Received:** ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

**Courier:** ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

**Packing Material:** ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

**Thermometer Used: IR Gun T1101 T1102** **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

**Temp Correction Factor** **T1101**: No Correction **T1102**: No Correction

**Corrected Cooler Temp.:** 4.9 C **Biological Tissue is Frozen:** Yes No N/A

Date and Initials of person examining contents: AMB 3/9/13

Temp should be above freezing to 6°C

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

**SCURF Review:** AMB **Date:** ~~3/8/11~~ AMB 3/9/13

**SRF Review:** AMB **Date:** 3/11/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO#: 92150620

92150620

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# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

1475821

**Section A** Required Client Information:

Company: CATLIN
Address: 220 Old Dairy Rd
Wilmington, NC 28405
Email To: rick.garrett@catlinusa.com
Phone: 910 452 5861 Fax: 910 452 7563
Requested Due Date/TAT: (STD) 10 days or less

**Section B** Required Project Information:

Report To: Rick Garrett
Copy To: Ben Ashba
Purchase Order No.: 130307-1
Project Name: Coca Cola
Project Number: 208069

**Section C** Invoice Information:

Attention: Sheila Smith
Company Name: CATLIN
Address: 220 Old Dairy Rd.
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 4302-3

**REGULATORY AGENCY**

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER IHSB

Site Location STATE: NC

**Section D** Required Client Information

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

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED Composite Start Date | Composite Start Time | Composite End/Grab Date | Composite End/Grab Time | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test (Y/N): 8270 Sim Benzo(a)pyrene only | 8270 Sim PAH only | Lead | Cr / Cr+6 per 3060A by HPLC | Solids for Cr+6 | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-32 (1-1.5) | SL | G | ~~3/7/13~~ | | 3/7/13 | 11:40 | | 1 | ✓ | | | | | | | | ✓ | | | | | | 92150620 |
| 2 | SB-33 (.5-1) | ↓ | ↓ | | | ↓ | 11:56 | | 3 | ✓ | | | | | | | | | ✓ | ✓ | ✓ | | | Report LowRuns |
| 3 | SB-34 (1-1.25) | | | | | | 12:19 | | 1 | ✓ | | | | | | | | ✓ | | | | | | on all analysis |
| 4 | SB-35 (1-1.5) | | | | | | 12:38 | | 1 | ✓ | | | | | | | | | ✓ | | | | | |
| 5 | SB-36 (1-1.5) | | | | | | 12:58 | | 1 | ✓ | | | | | | | | ✓ | | | | | | - Run SIM on all 8270 |
| 6 | SB-37 (1-1.5) | | | | | | 13:20 | | 1 | ✓ | | | | | | | | ✓ | | | | | | Run metals for |
| 7 | SB-38 (.5-1) | ↓ | ↓ | | | ↓ | 13:45 | | 3 | ✓ | | | | | | | | | ✓ | ✓ | ✓ | | | reporting limits |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | < IHSB Residential |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | SRGoals |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | .29 mg/kg Cr+6 |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME |
|---|---|---|---|---|---|---|
| | | | | J. Dixon Pace | 3/8/13 | 2:15 |
| | | | | A Baloni PACE | 3/9/13 | 930 |

SAMPLE CONDITIONS

| Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N) |
|---|---|---|---|
| 4.9 | Y | Y (Arrived) | Y |

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Rick Garrett
SIGNATURE of SAMPLER: R Garrett
DATE Signed (MM/DD/YY): 3/7/13

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

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

**Pace Analytical Services, Inc.**
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**Pace Analytical Services, Inc.**
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

April 11, 2013

Rick Garrett
CATLIN Engineers and Scientist
220 Old Dairy Rd.
Wilmington, NC 28405

RE: Project: COCA COLA
Pace Project No.: 92153730

Dear Rick Garrett:
Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Angela M. Baioni

Angela Baioni

angela.baioni@pacelabs.com
Project Manager

Enclosures

cc: Shelia Smith, CATLIN Engineers and Scientists



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# CERTIFICATIONS

Project: COCA COLA
Pace Project No.: 92153730

**Charlotte Certification IDs**
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221



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## SAMPLE SUMMARY

Project: COCA COLA
Pace Project No.: 92153730

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **92153730001** | **SB-39 (1-1.5)** | Solid | 04/04/13 08:00 | 04/06/13 09:30 |
| **92153730002** | **SB-40 (1-1.5)** | Solid | 04/04/13 08:15 | 04/06/13 09:30 |



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## SAMPLE ANALYTE COUNT

Project: COCA COLA
Pace Project No.: 92153730

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **92153730001** | **SB-39 (1-1.5)** | EPA 8270 by SIM | RES | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |
| **92153730002** | **SB-40 (1-1.5)** | EPA 8270 by SIM | RES | 21 | PASI-C |
| | | ASTM D2974-87 | TNM | 1 | PASI-C |



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# ANALYTICAL RESULTS

Project: COCA COLA
Pace Project No.: 92153730

**Sample: SB-39 (1-1.5)** **Lab ID: 92153730001** Collected: 04/04/13 08:00 Received: 04/06/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | **29.0J** | ug/kg | 116 | 17.3 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 83-32-9 | |
| Acenaphthylene | **49.8J** | ug/kg | 116 | 15.0 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 208-96-8 | |
| Anthracene | **138** | ug/kg | 116 | 16.2 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 120-12-7 | |
| Benzo(a)anthracene | **1160** | ug/kg | 116 | 8.2 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 56-55-3 | |
| Benzo(a)pyrene | **1310** | ug/kg | 116 | 12.7 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 50-32-8 | |
| Benzo(b)fluoranthene | **1230** | ug/kg | 116 | 7.7 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 205-99-2 | |
| Benzo(g,h,i)perylene | **635** | ug/kg | 116 | 30.1 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 191-24-2 | |
| Benzo(k)fluoranthene | **908** | ug/kg | 116 | 17.3 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 207-08-9 | |
| Chrysene | **1150** | ug/kg | 116 | 20.8 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 218-01-9 | |
| Dibenz(a,h)anthracene | **270** | ug/kg | 116 | 20.8 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 53-70-3 | |
| Fluoranthene | **1930** | ug/kg | 116 | 9.6 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 206-44-0 | |
| Fluorene | **31.8J** | ug/kg | 116 | 18.5 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **648** | ug/kg | 116 | 32.4 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 116 | 13.9 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 90-12-0 | |
| 2-Methylnaphthalene | **14.4J** | ug/kg | 116 | 12.7 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 91-57-6 | |
| Naphthalene | **41.6J** | ug/kg | 116 | 26.6 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 91-20-3 | |
| Phenanthrene | **610** | ug/kg | 116 | 17.3 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 85-01-8 | |
| Pyrene | **1840** | ug/kg | 116 | 20.8 | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 10-128 | | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 4165-60-0 | D3,S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 10-110 | | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 39-119 | | 10 | 04/09/13 09:25 | 04/10/13 17:02 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **13.5** | % | 0.10 | 0.10 | 1 | | 04/09/13 13:30 | | |

**Sample: SB-40 (1-1.5)** **Lab ID: 92153730002** Collected: 04/04/13 08:15 Received: 04/06/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Acenaphthene | ND | ug/kg | 104 | 15.6 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 83-32-9 | |
| Acenaphthylene | **15.8J** | ug/kg | 104 | 13.6 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 208-96-8 | |
| Anthracene | **22.8J** | ug/kg | 104 | 14.6 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 120-12-7 | |
| Benzo(a)anthracene | **235** | ug/kg | 104 | 7.4 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 56-55-3 | |
| Benzo(a)pyrene | **297** | ug/kg | 104 | 11.5 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 50-32-8 | |
| Benzo(b)fluoranthene | **303** | ug/kg | 104 | 7.0 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 205-99-2 | |
| Benzo(g,h,i)perylene | **166** | ug/kg | 104 | 27.1 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 191-24-2 | |
| Benzo(k)fluoranthene | **232** | ug/kg | 104 | 15.6 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 207-08-9 | |
| Chrysene | **287** | ug/kg | 104 | 18.8 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 218-01-9 | |
| Dibenz(a,h)anthracene | **65.2J** | ug/kg | 104 | 18.8 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 53-70-3 | |
| Fluoranthene | **508** | ug/kg | 104 | 8.7 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 206-44-0 | |



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(704)875-9092

# ANALYTICAL RESULTS

Project: COCA COLA
Pace Project No.: 92153730

**Sample: SB-40 (1-1.5)** **Lab ID: 92153730002** Collected: 04/04/13 08:15 Received: 04/06/13 09:30 Matrix: Solid

***Results reported on a "dry-weight" basis***

| Parameters | Results | Units | Report Limit | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|---|
| **8270 MSSV MW PAH by SIM** | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546 | | | | | | | | |
| Fluorene | ND | ug/kg | 104 | 16.7 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 86-73-7 | |
| Indeno(1,2,3-cd)pyrene | **161** | ug/kg | 104 | 29.2 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 193-39-5 | |
| 1-Methylnaphthalene | ND | ug/kg | 104 | 12.5 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 90-12-0 | |
| 2-Methylnaphthalene | ND | ug/kg | 104 | 11.5 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 91-57-6 | |
| Naphthalene | ND | ug/kg | 104 | 24.0 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 91-20-3 | |
| Phenanthrene | **146** | ug/kg | 104 | 15.6 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 85-01-8 | |
| Pyrene | **485** | ug/kg | 104 | 18.8 | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 129-00-0 | |
| ***Surrogates*** | | | | | | | | | |
| Nitrobenzene-d5 (S) | 0 | % | 10-128 | | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 4165-60-0 | D3,S4 |
| 2-Fluorobiphenyl (S) | 0 | % | 10-110 | | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 321-60-8 | |
| Terphenyl-d14 (S) | 0 | % | 39-119 | | 10 | 04/09/13 09:25 | 04/10/13 17:22 | 1718-51-0 | |
| **Percent Moisture** | Analytical Method: ASTM D2974-87 | | | | | | | | |
| Percent Moisture | **4.1** | % | 0.10 | 0.10 | 1 | | 04/09/13 13:30 | | |



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# QUALITY CONTROL DATA

Project: COCA COLA
Pace Project No.: 92153730

QC Batch: OEXT/21530 | Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 | Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 92153730001, 92153730002

METHOD BLANK: 952566 | Matrix: Solid
Associated Lab Samples: 92153730001, 92153730002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| 2-Methylnaphthalene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Acenaphthene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Acenaphthylene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Anthracene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Benzo(a)anthracene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Benzo(a)pyrene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Benzo(b)fluoranthene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Benzo(g,h,i)perylene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Benzo(k)fluoranthene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Chrysene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Dibenz(a,h)anthracene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Fluoranthene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Fluorene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Naphthalene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Phenanthrene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| Pyrene | ug/kg | ND | 10.0 | 04/10/13 14:21 | |
| 2-Fluorobiphenyl (S) | % | 76 | 10-110 | 04/10/13 14:21 | |
| Nitrobenzene-d5 (S) | % | 83 | 10-128 | 04/10/13 14:21 | |
| Terphenyl-d14 (S) | % | 111 | 39-119 | 04/10/13 14:21 | |

LABORATORY CONTROL SAMPLE: 952567

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ug/kg | 33.3 | 28.2 | 84 | 29-108 | |
| 2-Methylnaphthalene | ug/kg | 33.3 | 29.3 | 88 | 30-104 | |
| Acenaphthene | ug/kg | 33.3 | 27.7 | 83 | 38-109 | |
| Acenaphthylene | ug/kg | 33.3 | 27.3 | 82 | 41-109 | |
| Anthracene | ug/kg | 33.3 | 31.1 | 93 | 45-114 | |
| Benzo(a)anthracene | ug/kg | 33.3 | 32.7 | 98 | 45-109 | |
| Benzo(a)pyrene | ug/kg | 33.3 | 36.4 | 109 | 47-117 | |
| Benzo(b)fluoranthene | ug/kg | 33.3 | 38.2 | 114 | 32-113 | L2 |
| Benzo(g,h,i)perylene | ug/kg | 33.3 | 30.6 | 92 | 10-149 | |
| Benzo(k)fluoranthene | ug/kg | 33.3 | 31.3 | 94 | 41-104 | |
| Chrysene | ug/kg | 33.3 | 33.2 | 100 | 35-116 | |
| Dibenz(a,h)anthracene | ug/kg | 33.3 | 35.7 | 107 | 13-139 | |
| Fluoranthene | ug/kg | 33.3 | 32.5 | 98 | 43-110 | |
| Fluorene | ug/kg | 33.3 | 26.5 | 79 | 45-111 | |
| Indeno(1,2,3-cd)pyrene | ug/kg | 33.3 | 34.8 | 104 | 17-135 | |
| Naphthalene | ug/kg | 33.3 | 25.9 | 78 | 26-120 | |



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# QUALITY CONTROL DATA

Project: COCA COLA
Pace Project No.: 92153730

LABORATORY CONTROL SAMPLE: 952567

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Phenanthrene | ug/kg | 33.3 | 29.1 | 87 | 45-110 | |
| Pyrene | ug/kg | 33.3 | 34.6 | 104 | 38-114 | |
| 2-Fluorobiphenyl (S) | % | | | 77 | 10-110 | |
| Nitrobenzene-d5 (S) | % | | | 81 | 10-128 | |
| Terphenyl-d14 (S) | % | | | 108 | 39-119 | |



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# QUALITY CONTROL DATA

Project: COCA COLA
Pace Project No.: 92153730

QC Batch: PMST/5441
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92153730001, 92153730002

SAMPLE DUPLICATE: 952551

| Parameter | Units | 92153686001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 39.7 | 38.2 | 4 | 25 | |

SAMPLE DUPLICATE: 952552

| Parameter | Units | 92153799001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 2.8 | 2.9 | 3 | 25 | |



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# QUALIFIERS

Project: COCA COLA
Pace Project No.: 92153730

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

## LABORATORIES

| | |
|---|---|
| PASI-C | Pace Analytical Services - Charlotte |

## ANALYTE QUALIFIERS

| | |
|---|---|
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference. |
| L2 | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low. |
| S4 | Surrogate recovery not evaluated against control limits due to sample dilution. |



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# QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: COCA COLA
Pace Project No.: 92153730

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **92153730001** | **SB-39 (1-1.5)** | EPA 3546 | OEXT/21530 | EPA 8270 by SIM | MSSV/7591 |
| **92153730002** | **SB-40 (1-1.5)** | EPA 3546 | OEXT/21530 | EPA 8270 by SIM | MSSV/7591 |
| **92153730001** | **SB-39 (1-1.5)** | ASTM D2974-87 | PMST/5441 | | |
| **92153730002** | **SB-40 (1-1.5)** | ASTM D2974-87 | PMST/5441 | | |



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| Pace Analytical | Sample Condition Upon Receipt (SCUR) | Page 1 of 2 |
|---|---|---|
| | Document Number: F-CHR-CS-03-rev.10 | Issuing Authority: Pace Huntersville Quality Office |

Client Name: CATLIN

**Where Received:** ☑ Huntersville ☐ Asheville ☐ Eden ☐ Raleigh

**Courier:** ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

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

Optional
Proj. Due Date:
Proj. Name:

**Packing Material:** ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other_____

**Thermometer Used: IR Gun T1101 T1102** **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

**Temp Correction Factor** **T1101**: No Correction **T1102**: No Correction

**Corrected Cooler Temp.:** 5.5 C **Biological Tissue is Frozen:** Yes No N/A

Date and Initials of person examining contents: AJPB 4/6/13

Temp should be above freezing to 6°C

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

**SCURF Review:** KLH **Date:** 4/6/13

**SRF Review:** AMB **Date:** 4/8/13

WO#: 92153730

92153730

(if no label available)

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

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# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

1475822

**Section A**
**Required** Client Information:

Company: CATLIN
Address: 220 Old Dairy Rd
Wilmington, NC
Email To: rick.garrett@catlinusa.com
Phone: 9104525861 Fax: 9104527563
Requested Due Date/TAT: 5 Day if possible

**Section B**
**Required** Project Information:

Report To: CATLIN – Ben Ashba
Copy To: Rick Garrett
Purchase Order No.:
Project Name: Coca Cola
Project Number: 208.069

**Section C**
Invoice Information:

Attention: Sheila Smith
Company Name: Catlin
Address: 220 Old Dairy Rd
Pace Quote Reference: B0404-2
Pace Project Manager:
Pace Profile #:

**REGULATORY AGENCY**

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☑ OTHER IHSB

Site Location
STATE:

92153730

**Section D**
**Required** Client Information

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

**Matrix Codes**
MATRIX / CODE

| | |
|---|---|
| Drinking Water | DW |
| Water | WT |
| Waste Water | WW |
| Product | P |
| Soil/Solid | SL |
| Oil | OL |
| Wipe | WP |
| Air | AR |
| Tissue | TS |
| Other | OT |

| ITEM # | SAMPLE ID | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED COMPOSITE START DATE | COLLECTED COMPOSITE START TIME | COLLECTED COMPOSITE END/GRAB DATE | COLLECTED COMPOSITE END/GRAB TIME | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Unpreserved | $H_2SO_4$ | $HNO_3$ | HCl | NaOH | $Na_2S_2O_3$ | Methanol | Other | Analysis Test | Requested Analysis Filtered (Y/N) | Residual Chlorine (Y/N) | Pace Project No./ Lab I.D. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-39 (1-1.5) | | | 4-4-13 | 0800 | | | | 2 | X | | | | | | | | 8270 SIM report low runs (PAH ONLY) | ✓ | | 001 |
| 2 | SB-40 (1-1.5) | | | 4-4-13 | 0815 | | | | 2 | X | | | | | | | | | ✓ | | 002 |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | |

8270 SIM Low runs to meet IHSB SRGs

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Corey D. Futral | 4-4-13 | 1430 | J. Dixon Pace | 4-5-13 | 1430 | | | | |
| | | | | J Bawelly - PACE | 4-5-13 | 0930 | 5.5 | Y | Y | Y |
| | | | | | | | | | | |
| | | | | | | | | | | |

ORIGINAL

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Corey Futral
SIGNATURE of SAMPLER: Corey D. Futral
DATE Signed (MM/DD/YY): 04-04-13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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

# APPENDIX F

# PHOTOGRAPHS

**(Active) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

Inside building, south of northern wall looking north, former 500-gallon motor oil AST and 55-gallon grease drum, historical S&ME boring/sample B-6 location, CATLIN MW-01 and SB-01 boring/sample location.

Inside building, north of southern wall looking southwest, former 500-gallon waste oil AST, waste antifreeze AST, floor cleaner drum(s), used oil filter drum(s), and gear lube drum(s) near historical S&ME boring/sample B-7 and CATLIN boring/sample SB-02 location.

**(Active) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

From near northwest property corner at 10th St. and Princess St. looking east.

Looking north from south of building, historical S&ME boring/sample B8 location and CATLIN boring/sample SB-03 location.

**(Active) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

Inside building, north of southern wall looking south, former 500-gallon waste oil AST, waste antifreeze AST, floor cleaner drum(s), used oil filter drum(s), and gear lube drum(s) near historical S&ME boring/sample B-7 and CATLIN boring/sample SB-02 location.

Crack in concrete filled with concrete epoxy near former AST and parts washer locations, south of northern wall of building.

**(Vacant) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

From south of building along 10th Street looking north.

From south of building along 10th Street looking northeast.

**(Vacant) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

From south of building along 10th Street looking east.

From south of building along 10th Street looking south.

**(Vacant) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

From south of building near eastern property line looking northwest.

From south of building near eastern property line looking north.

**(Vacant) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

From south of building near eastern property line looking east toward Carolina Carburetor (former Automotive Dealership).

From south of building near eastern property line looking south toward former service station property.

**(Vacant) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

From south of building near eastern property line looking southwest.

From just inside southern garage door looking towards western wall of building.

**(Vacant) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

From just inside southern garage door looking northwest inside building.

From just inside southern garage door looking towards northern wall of building.

**(Vacant) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

From just inside southern garage door looking northeast inside building.

Crack in concrete filled with concrete epoxy near former AST and parts washer locations near northern wall of building.

**(Vacant) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

From near northwest property corner at 10th St. and Princess St. looking west.

From near northwest property corner at 10th St. and Princess St. looking northwest.

**(Vacant) Coca-Cola Vehicle Maintenance Facility**
**1002 Princess Street**
**Wilmington, NC**

From near northwest property corner at 10th St. and Princess St. looking north.

From near northwest property corner at 10th St. and Princess St. looking northeast.

# APPENDIX G

# CERTIFICATION STATEMENTS

# PHASE I REMEDIAL INVESTIGATION COMPLETION CERTIFICATION
## 15A NCAC 13C.0306(b)(5)(A)

Media (check all that apply): ☐ All Media ☑ Soil ☑ Ground water ☐ Surface water ☐ Sediment

Site Name: Coca Cola Bottling Facility
County: New Hanover
Site ID No.: NONCD0002851

Street Address: Former Vehicle Maintenance
1002 Princess Street
Wilmington, NC

**The Phase I remedial investigation, which is the subject of this certification has, to the best of my knowledge, been completed in compliance with the Inactive Hazardous Sites Response Act N.C.G.S. 130A-310, et seq. and the remedial action program Rules 15A NCAC 13C .0300, and**
CATLIN Engineers & Scientists
[REC Name]
**is in compliance with Rules .0305(b)(2) and .0305(b)(3), of this section. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information.**

RSM Signature: MR Garrett
Date: 5/28/13
RSM Name: G. Richard Garrett P.G.
REC Name: CATLIN Engineers & Scientists
Mailing Address: 220 Old Dairy Road
REC No.: 00059
City, State, ZIP: Wilmington, NC 28405

**NOTARIZATION**

North Carolina (Enter State)

New Hanover **COUNTY**

I, Sheila H. Smith, a Notary Public of said County and State, do hereby certify that George Richard Garrett did personally appear and sign before me this day, produced proper identification in the form of drivers license, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 28th day of May, 2013.

Sheila H Smith
Notary Public (signature)

(OFFICIAL SEAL)
SHEILA H. SMITH NOTARY PUBLIC NEW HANOVER COUNTY, NC

My commission expires: 12/5/14.

*Work Phase Completion Form No. WPC – I*
*(Revised 3/11)*

# REMEDIAL INVESTIGATION COMPLETION CERTIFICATION
## 15A NCAC 13C.0306(b)(5)(B)

Media (check all that apply): ☐ All Media ☑ Soil ☑ Ground water ☐ Surface water ☐ Sediment

| | | | |
|---|---|---|---|
| Site Name | Coca Cola Bottling Facility | Street Address | Former Vehicle Maintenance |
| County | New Hanover | | 1002 Princess Street |
| Site ID No. | NONCD0002851 | | Wilmington, NC |

**The remedial investigation, which is the subject of this certification has, to the best of my knowledge, been completed in compliance with the Inactive Hazardous Sites Response Act N.C.G.S. 130A-310, et seq. and the remedial action program Rules 15A NCAC 13C .0300, and**
CATLIN Engineers & Scientists
[REC Name]
**is in compliance with Rules .0305(b)(2) and .0305(b)(3), of this section. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information.**

GR Garrett — RSM Signature
5/28/13 — Date
G. Richard Garrett P.G. — RSM Name
CATLIN Engineers & Scientists — REC Name
Post Office Box 10279 — Mailing Address
00059 — REC No.
Wilmington, NC 28404 — City, State, ZIP

**NOTARIZATION**

North Carolina (Enter State)

New Hanover **COUNTY**

I, Sheila H. Smith, a Notary Public of said County and State, do hereby certify that George Richard Garrett did personally appear and sign before me this day, produced proper identification in the form of drivers license, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 28th day of May, 2013.

Sheila H Smith
Notary Public (signature)

(OFFICIAL SEAL)

SHEILA H. SMITH NOTARY PUBLIC NEW HANOVER COUNTY, NC

My commission expires: 12/5/14.

IHSB SITE NAME Coca-Cola Bottling Facility,Wilmington,New Hanover,NC Site ID# NONCD0002851

DATE & NAME OF DOCUMENT 5/24/13 Remedial Investigation Report

TYPE OF SUBMITTAL (circle all that apply): Report, Work plan, Work Phase Comp. Statement, Schedule Change

## REMEDIATING PARTY DOCUMENT CERTIFICATION STATEMENT (.0306(B)(2))

"I certify under penalty of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

CCBC of Wilmington, Inc.
Name of Remediating Party

Doug Leonard
Signature of Remediating Party

5/30/13
Date

**NOTARIZATION**

NORTH CAROLINA (Enter State)

MECKLENBURG **COUNTY**

I, Edith A. Quine, a Notary Public of said County and State, do hereby certify that DOUG LEONARD did personally appear and sign before me this day, produced proper identification in the form of DRIVER LICENSE, was duly sworn or affirmed, and declared that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 30 day of MAY, 2013.

Edith A. Quine
Notary Public (signature)

(OFFICIAL SEAL)

EDITH A. QUINE NOTARY PUBLIC MY COMMISSION EXPIRES 5/5/2016 MECKLENBURG COUNTY, NC

My commission expires: 5/5/2016.

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 2 OF 2
IHSB SITE NAME Coca-Cola Bottling Facility,Wilmington,NewHanoverCo,NC ID#NONCD0002851
DATE & NAME OF DOCUMENT 5/24/13 Remedial Investigation Rpt.
TYPE OF SUBMITTAL (circle all that apply): Report, Work plan, Work Phase Comp. Statement, Schedule Change

## REGISTERED SITE MANAGER CERTIFICATION OF SIGNATURES

As the Registered Environmental Consultant for the Site for which this filing is made, I certify that the signatures included herewith are genuine and authentic original handwritten signatures and/or true, accurate, and complete copies of the genuine and authentic original handwritten signatures of the persons who purport to sign for this filing. I further certify that I have collected through reliable means the originals and/or copies of said signatures from the persons authorized to sign for this filing who, in fact, signed the originals thereof. Those persons and I understand and agree that any copies of signatures have the same legally binding effect as original handwritten signatures, and I certify that any person for whom I am submitting a copy of their signature has provided me with their express consent to submit said copy. Additionally, I certify that I am authorized to attest to the genuineness and authenticity of the signatures, both originals and any copies, being submitted herewith and that by signing below, I do in fact attest to the genuineness and authenticity of all the signatures, both originals and copies, being submitted for this filing.

G. Richard Garrett
Name of Registered Site Manager

G R Garrett
Signature of Registered Site Manager

5/30/13
Date

## REGISTERED SITE MANAGER DOCUMENT CERTIFICATION STATEMENT (.0306(b)(1))

"I certify under penalty of law that I am personally familiar with the information contained in this submittal, including any and all supporting documents accompanying this certification, and that the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete and complies with the Inactive Hazardous Sites Response Act N.C.G.S. 130A-310, et seq, and the remedial action program Rules 15A NCAC 13C .0300. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

G. Richard Garrett
Name of Registered Site Manager

G R Garrett
Signature of Registered Site Manager

5/30/13
Date

## NOTARIZATION

North Carolina (Enter State)

Pender COUNTY

I, Beverly A. Rivenbark, a Notary Public of said County and State, do hereby certify that G R Garrett did personally appear and sign before me this day, produced proper identification in the form of person, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certifications is true and accurate, and he or she then signed these Certifications in my presence.

WITNESS my hand and official seal this 30 day of May, 2013.

Beverly A. Rivenbark
Notary Public (signature)

(OFFICIAL SEAL)

BEVERLY A. RIVENBARK NOTARY PUBLIC PENDER COUNTY, N.C.

My commission expires: 4-15-2014

*Document Certification Form No. DC - II*
*(Revised 8/11)*