June 21, 2016

North Carolina Department of Environmental Quality
Division of Waste Management, Pre-Regulatory Landfill Unit
1646 Mail Service Center
Raleigh, North Carolina 27699

Attn: Ms. Katie Tatum
Project Manager

Re: **Potable Well Sampling Report**
Belhaven Dump
Belhaven, Beaufort County, North Carolina
ID# NONCD0000131 – Task Order 131MON

Dear Ms. Tatum:

URS Corporation – North Carolina (URS) is pleased to provide the results of potable well sampling performed in the vicinity of the Belhaven Dump (the Site) in Belhaven, North Carolina. This report describes the details for potable well sampling conducted in accordance with the May 5, 2016 authorization associated with Task Order 131MON by the North Carolina Department of Environmental Quality (NCDEQ) Pre-Regulatory Landfill Unit (the Unit).

On May 25, 2016, URS was able to access and collect water samples from one residential potable well located near the Site at 31100 US 264 Business. One field duplicate sample was also collected at this location. URS attempted to garner access at 59 Campbell Lane, however the property owner indicated that there is no longer a well on her property and the residence is on county water. Permission to sample the wells from the property owners was obtained by the Unit. Field procedures were performed in accordance with the URS *Standard Operating Procedures/Quality Assurance Manual* (SOP/QAM), dated June 21, 2010. Field notes from the sampling event are included as **Attachment 1**. A photo log is provided in **Attachment 2**. A site map showing the locations of the potable wells is provided on **Figure 1**.

Water samples were collected into laboratory-supplied containers and submitted to the laboratory for the analysis of volatile organic compounds (VOCs) by SW-846 8260B, 1,4-dioxane by SW-846 8260B Select Ion Monitoring (SIM), semi-volatile organic compounds (SVOCs) by SW-846 8270D, metals by Environmental Protection Agency (EPA) Methods 200.8 and 245.1, nitrate and sulfate by EPA Method 300/SW-846 9056A, and ammonia by EPA Method 350.1. Samples collected in the field were placed on ice in an insulated cooler and transported to the laboratory via courier as expeditiously as possible. A chain-of-custody record accompanied the shipment of samples to the laboratory. The analytical laboratory report is included as **Attachment 3**.

URS Corporation – North Carolina
1600 Perimeter Park Drive, Suite 400
Morrisville, NC 27560
Tel: 919-461-1100
Fax: 919-461-1415

URS has conducted a completeness check for the analytical results reported by SGS-Accutest for the Site. All documentation required by the project was included in the laboratory report. The reported detection limits for undiluted samples were less than standards that are greater than the practical quantitation limit. Samples were analyzed in accordance with laboratory protocols and analytical methods. Samples were prepared and analyzed within EPA-established holding times. Quality control results that did not meet laboratory specifications are discussed in the Case Narrative of the laboratory report, and the effect on reported sample results discussed. Potable water sample results, as reported by the laboratory, are presented in **Table 1**. Laboratory data are usable for the samples collected for their intended purpose.

Sample results were compared to EPA Maximum Contaminant Levels (MCL) and North Carolina 2L (NC 2L) groundwater standards. Iron was detected above the NC 2L groundwater standard in the sample collected at 31100 US 264 Business and field duplicate sample (Well-31100 Belhaven and DUP-1, respectively); however, there is currently no established EPA MCL for iron. Results are summarized for the sampling event in **Table 1.**

If you have any questions or require additional information, please do not hesitate to contact me at 919-461-1341.

Sincerely,
URS CORPORATION-NORTH CAROLINA

Margaret Ness
Project Manager

Attachments:

Table 1 – Summary of Potable Well Analytical Results
Figure 1 – Site Map
Attachment 1 – Field Notes
Attachment 2 – Photo Log
Attachment 3 – Laboratory Report

Table 1
Summary of Potable Well Analytical Results
Belhaven Dump, NONCD0000131

Sample ID:	**NC 2L**	**MCL**	**WELL-31100 BELHAVEN**	**DUP-1 [1]**
Date Sampled:			**5/25/2016**	**5/25/2016**
Analytes:				
Volatiles (SW-846 8260B Full Scan)	NA	NA	ND	ND
Volatiles (SW-846 8260B SIM)				
1,4-Dioxane	0.003	NG	ND	ND
Semivolatiles (SW-846 8270D)	NA	NA	ND	ND
Metals (EPA 200.8 and 245.1)				
Arsenic	0.010	0.010	0.000038 J	0.000083 J
Chromium	0.010	0.1	0.00026 J	0.00026 J
Copper	1	1.3	0.0011 J	0.0011 J
Iron	0.300	NG	**0.659**	**0.670**
Lead	0.015	0.015	0.00015 J	0.00017 J
Manganese	0.050	NG	0.0344	0.0348
Nickel	0.100	NG	ND	0.00053 J
Zinc	1	NG	0.0030 J	0.0054 J
Miscellaneous Chemistry (EPA 300 and 350.1)				
Ammonia (EPA 350.1)	1.5 (I)	NG	0.53	0.50

Notes:

I - NC Interim Maximum Allow Concentration (IMAC) established under 15A NCAC 2L.0202

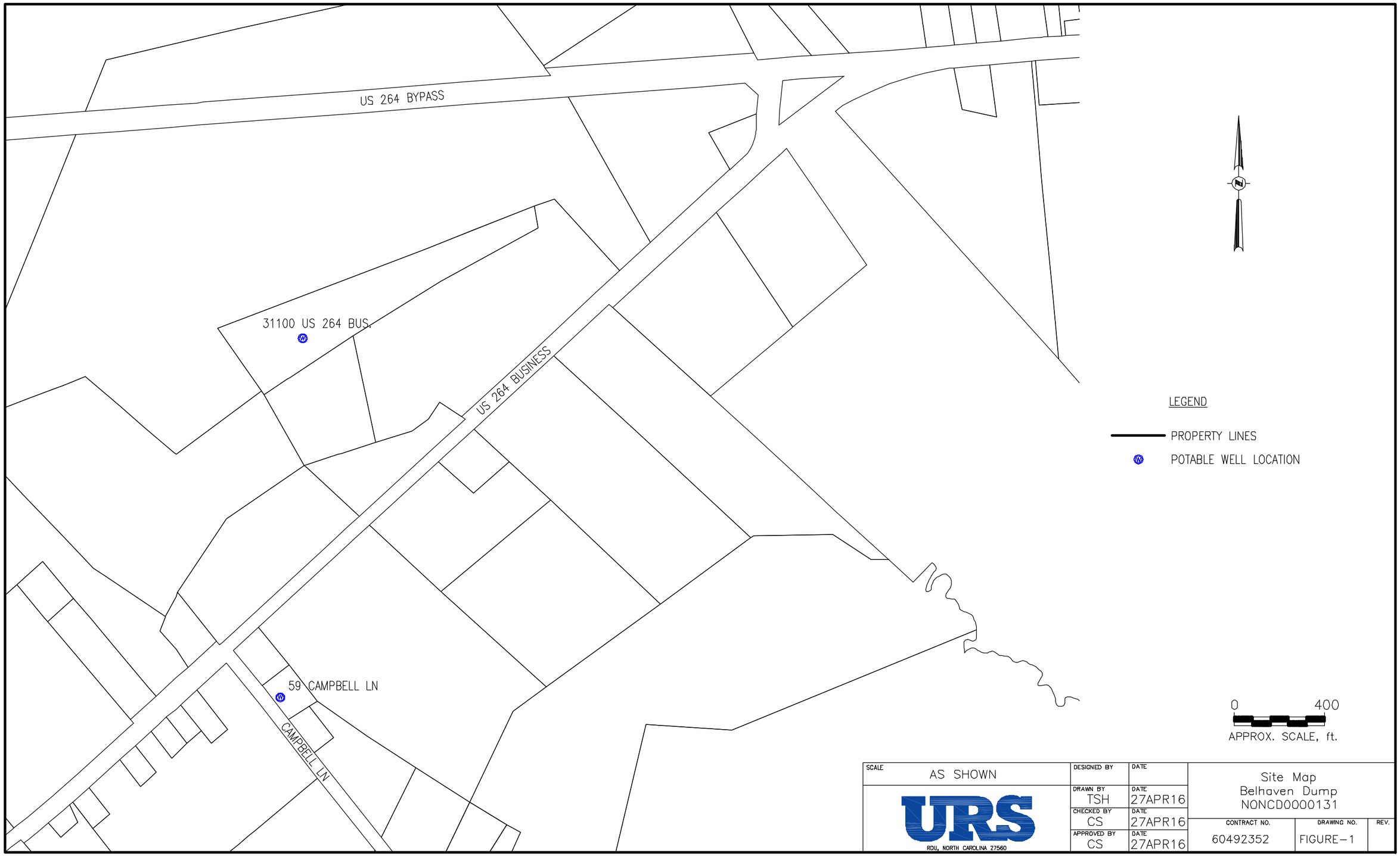
MCL - EPA National Primary Drinking Water Standard Maximum Contaminant Level
NC 2L - 15A NCAC 02L .0202, effective April 1, 2013

[1] DUP-1 is a field duplicate of WELL-31100 BELHAVEN

EPA - Environmental Protection Agency
J - Estimated value
NA - Not applicable
ND - Not detected
NG - No goal established
SIM - Selective Ion Monitoring
SW-846 - *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (EPA)

This table presents the results of all detected analytes. All results are reported in milligrams per liter (mg/L).

Bold and outlined results indicate the concentration is greater than the MCL, or the NC 2L groundwater standard in absence of the MCL.



SCALE	DESIGNED BY	DATE	Site Map Belhaven Dump NONCD0000131		
AS SHOWN	DRAWN BY TSH	DATE 27APR16			
URS RDU, NORTH CAROLINA 27560	CHECKED BY CS	DATE 27APR16	CONTRACT NO.	DRAWING NO.	REV.
	APPROVED BY CS	DATE 27APR16	60492352	FIGURE-1	

Daily Activity Log

Project Name: Belhaven Dump
Task Order: 131MON
Field Personnel: J Abbassi ; J Corbin
Project Manager: M Ness / C Slusher
Date: 5/25/2016
Weather: Sunny 85F
Daily Objective: WSW sampling

1130 URS arrives onsite at 59 Campbell Lane. Knocks on door - no answer. URS leaves access agreement in mailbox.
1145 URS offsite for lunch
1230 URS back onsite at 31100 US 264 Business. Property owner outside and indicates that there is only one well on her property, which is a deep well used for livestock and drinking. URS will sample directly from spigot on well house.
1245 Begin field calibration of equipment and sampling activities.
1305 Collect sample "(WEL) - 31100 Belhaven" and field duplicate sample (DUP-1 @ 1310).
1320 Complete sampling activities and head offsite.
1325 As URS goes offsite, URS notices a car in the driveway at 59 Campbell Lane. Property owner answers door and indicates that there is no well on her property and that they are on county water.
1335 URS offsite.

Water Sample Collection Field Sheet

Project Name: Belhaven Dump

Task No: 131MON

Sample ID: Well-31100 Belhaven

Date/Time Collected: 5/25/16 @ 1305

Personnel: J Abbassi, J Corbin

Sample Method: spigot

SAMPLE MEDIA: Groundwater **Potable Well** Surface Water

SAMPLE CONTAINERS, PRESERVATIVES, ANALYSIS

Sample Container	Preservative	Analysis
see proposal		

WELL PURGING DATA

Date: 5/25/16

Time Started: 1252

Time Completed: 1320

Well Depth (ft. BTOC): Z

Depth to Water (ft BTOC): Z

Actual Purge (liters): Z

Purge rate (liters/min): Z

FIELD MEASUREMENTS

Time	Amount Purged (Liters)	Depth to Water (ft)	pH	Temperature (°C)	Conductivity (mS/cm)	Turbidity (NTUs)	~~Comments~~ DO	ORP
1258	–	–	6.94	16.81	0.629	1.60	2.10	102.4
1301	–	–	6.68	16.48	0.620	0.70	2.05	125.2
1304	–	–	6.77	16.03	0.611	0.40	2.02	123.3

FIELD EQUIPMENT AND CALIBRATION

	Make/Model	Serial No	Calibration
Water Level Probe			
Pump			
Water Quality Meter			
Turbidity Meter			

GENERAL COMMENTS

DVP-1 @ 1310

DAILY INSTRUMENT CALIBRATION CHECK SHEET (CONT.)

5/25/16

	MANUFACTURER	MODEL # & SERIAL #	FACTORY CALIBRATION DATE	DETECTION LIMIT	PARAMETERS CALIBRATED	SUMMARY OF FIELD CALIBRATIONS (what methods, manufacturer's specifications, type of calibration gas, expiration date, etc.)
245	VSI	08L100230	–	–	pH, COND ORP	pH 6.95 ± .20 COND 1.566 ± 20% ORP 190.9 ± 20%
	LaMotte		–	–	Turbidity	1.09 ± .20
1330	VSI		–	–	pH	6.94 ± .20
	LaMotte		–	–	Turb.	1.06 ± .20

Notes:
Field instruments must be calibrated in accordance with manufacturer specifications.
Bump calibration tests should be completed before, during, and after field evaluation to confirm calibration.
If field conditions change (e.g. barometric, temperature, humidity changes), recalibration should be completed and documented.
All field calibrations need to be documented, otherwise, the data could be rejected by NCDENR.

Site Name: Belhaven Dump	Site ID: NONCD0000131

Photo 1: Spigot used to sample the water supply well at 31100 US 264 Business

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report

Technical Report for

AECOM, INC.

Belhaven Dump; Belhaven, Beaufort County, NC

60504522.20000

SGS Accutest Job Number: FA34260

Sampling Date: 05/25/16

Report to:

AECOM, INC.
1600 Perimeter Park Drive Suite 400
Morrisville, NC 27560
ncchemists@urs.com

ATTN: Martha Meyers-Lee

Total number of pages in report: **199**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.

Test results relate only to samples analyzed.

SGS Accutest is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.

Table of Contents

-1-

Section 1: Sample Summary **4**
Section 2: Case Narrative/Conformance Summary **5**
Section 3: Summary of Hits **10**
Section 4: Sample Results **11**
4.1: FA34260-1: WELL-31100 BELHAVEN 12
4.2: FA34260-2: DUP-1 20
4.3: FA34260-3: TRIP BLANK BELHAVEN 28
Section 5: Misc. Forms **31**
5.1: Certification Exceptions 32
5.2: Chain of Custody 33
5.3: Analyst Legend 36
Section 6: GC/MS Volatiles - QC Data Summaries **37**
6.1: Method Blank Summary 38
6.2: Blank Spike Summary 41
6.3: Matrix Spike/Matrix Spike Duplicate Summary 44
6.4: Instrument Performance Checks (BFB) 47
6.5: Internal Standard Area Summaries 53
6.6: Surrogate Recovery Summaries 56
6.7: Initial and Continuing Calibration Summaries 58
Section 7: GC/MS Semi-volatiles - QC Data Summaries **74**
7.1: Method Blank Summary 75
7.2: Blank Spike Summary 78
7.3: Matrix Spike/Matrix Spike Duplicate Summary 81
7.4: Instrument Performance Checks (DFTPP) 84
7.5: Internal Standard Area Summaries 89
7.6: Surrogate Recovery Summaries 92
7.7: Initial and Continuing Calibration Summaries 93
Section 8: Metals Analysis - QC Data Summaries **111**
8.1: Inst QC MA13186: Hg 112
8.2: Prep QC MP30406: Hg 123
Section 9: General Chemistry - QC Data Summaries **128**
9.1: Method Blank and Spike Results Summary 129
9.2: Matrix Spike Results Summary 130
9.3: Matrix Spike Duplicate Results Summary 131
9.4: Inst QC GN71100: Nitrogen, Nitrate,Sulfate 132
9.5: Inst QC GN71234: Nitrogen, Ammonia 135
Section 10: Misc. Forms (SGS Accutest New Jersey) **138**
10.1: Chain of Custody 139
10.2: Analyst Legend 141
Section 11: Metals Analysis - QC Data (SGS Accutest New Jersey) **142**
11.1: Inst QC MA39541: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn 143
11.2: Inst QC MA39591: Zn 174

Table of Contents

11.3: Prep QC MP94037: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn 196

SGS Accutest

Sample Summary

AECOM, INC.

Job No: FA34260

Belhaven Dump; Belhaven, Beaufort County, NC
Project No: 60504522.20000

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA34260-1	05/25/16	13:05	JC	05/26/16	AQ	Water	WELL-31100 BELHAVEN
FA34260-2	05/25/16	13:10	JC	05/26/16	AQ	Water	DUP-1
FA34260-3	05/25/16	00:00	JC	05/26/16	AQ	Trip Blank Water	TRIP BLANK BELHAVEN

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: AECOM, INC. **Job No:** FA34260

Site: Belhaven Dump; Belhaven, Beaufort County, NC **Report Date** 6/9/2016 4:41:22 PM

2 Samples and 1 Trip Blank were collected on 05/25/2016 and were received at SGS Accutest Southeast (SASE) on 05/26/2016 properly preserved, at 2 Deg. C and intact. These Samples received an SASE job number of FA34260. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VI1048

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA34251-3MS, FA34251-3MSD were used as the QC samples indicated.

Volatiles by GCMS By Method SW846 8260B BY SIM

Matrix: AQ **Batch ID:** VZ1545

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA34114-1MS, FA34114-1MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP60631

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA34254-1MS, FA34254-1MSD were used as the QC samples indicated.

Metals By Method EPA 200.8

Matrix: AQ **Batch ID:** N:MP94037

FA34260-1, 2 for Antimony: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Arsenic: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Beryllium: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Cadmium: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Chromium: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Copper: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Iron: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Lead: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Manganese: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Nickel: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Selenium: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Silver: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Thallium: Analysis performed at Accutest Laboratories, Dayton, NJ.

FA34260-1, 2 for Zinc: Analysis performed at Accutest Laboratories, Dayton, NJ.

Metals By Method EPA 245.1

Matrix: AQ **Batch ID:** MP30406

All samples were digested within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA34217-1DUP, FA34217-1MS, FA34217-1MSD, FA34217-1SDL were used as the QC samples for metals.

Wet Chemistry By Method EPA 300/SW846 9056A

Matrix: AQ **Batch ID:** GP28012

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA34267-3MS, FA34267-3MSD were used as the QC samples for Nitrogen, Nitrate, Sulfate.

Wet Chemistry By Method EPA 350.1

Matrix: AQ **Batch ID:** GP28065

All samples were prepped within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA34256-16MS, FA34256-16MSD were used as the QC samples for Nitrogen, Ammonia.

SGS Accutest (SASE) certifies that this report meets the project requirements for analytical data produced for the samples as received at SASE and as stated on the COC. SASE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the SASE Quality Manual except as noted above. This report is to be used in its entirety. SASE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Lovelie Metzgar

Lovelie Metzgar, QA Officer

Date: June 9, 2016

Laboratory Report Glossary

Client Sample ID: Normally refers to a point of collection – a monitoring well, discharge outfall, treatment facility intake, soil core grid location and depth, or any other identification client assigns to a sample.
Lab Sample ID: Letter prefix identifies one of Accutest laboratories and the rest is a consecutive number of the job (or SDG) received. Number after dash is a sample number and it is unequivocally linked in the LIMS to the Client Sample ID (see above).
Matrix (Matrix Code):

- **AQ- Water Samples**
- **SO- Soil/Solid Samples**
- **LIQ- Non-Water Liquid Samples**
- **OIL- Oil Samples**

Matrix Type:

- **SW for Surface Water**
- **SO for Soil/Sediment**
- **GW for Ground Water**
- **DW for Drinking Water**

All available definitions are found on Chain of Custody form.

Deg. C: Degrees Celsius, measurement of temperature.
Method: Analytical and preparation methods used for the analysis, with the version or revision identified.
Date Sampled: This information is entered from Chain of Custody at the time of login for every sample.
Date Received: When the job was received by Accutest Laboratories.
Percent Solids: Applicable only to SO matrix. For other matrices this field defaults to "n/a".
Run #: Provides information how many attempts were made in the analysis of the sample. LIMS can merge information from several attempts and lists all of them, including dilution, confirmation, etc. #1 designation is assigned to the analytical run with majority of analytes reported from it, not necessarily in chronological order.
File ID: Actual instrument data acquisition file that produced the final result. Letter prefix identifies the instrument; the rest is a consecutive injection number for that instrument.
DF (Dilution Factor): Most common reasons are either to fit into the range of the calibration, or alleviate matrix interference. DF other than 1 are accompanied with a comment at the end of the sample report.
Analyzed: Date of analysis.
By: Field Technician or Analyst uniquely identified by initials.
Prep Date: Date of sample preparation. If hold time is 72 hours or less, time of preparation is also indicated.
Prep Batch: Letter prefix OP followed by a consecutive number. For VOC analysis preparation happens at the time of analysis, therefore analytical batch and preparation batch are the same. Size of prep batch is limited to 20 field samples of similar matrix and the entire batch should be completed within 12 hour time.
Analytical Batch: Letter prefix identifies the instrument and is followed by a consecutive number. Not limited by a number of samples.
Initial Weight or Initial Volume: Raw sample size used for preparation.
Final Volume: Final volume of extract. If different from method-prescribed volume, reasons are reflected in the comments at the end of the report form.
CAS Number: *Chemical Abstracts Service* (CAS), a division of the *American Chemical Society*.
Compound: Most commonly used names of chemical compounds.
Result: Depending on project requirements, this field could be set up as text, such as ND (for Non Detected) or a number. The number may be reported with a qualifier.
MDL (Method Detection Limit): This value is defined as 99% probability that analyte above this concentration is positively (qualitatively) identified.
RL (Reporting Limit): This value is supported by the low calibration standard and defines lowest point of quantitative identification of analyte.
DL (Detection Limit): The smallest analyte concentration that can be demonstrated to be different from zero or a blank concentration with 99% confidence. At the DL, the false positive rate (Type I error) is 1%.
LOD (Limit of Detection): The smallest concentration of a substance that must be present in a sample in order to be detected at the DL with 99% confidence. At the LOD, the false negative rate (Type II error) is 1%.
LOQ (Limit of Quantitation): The smallest concentration that produces a quantitative result with known and recorded precision and bias.

Units: ug/l (micrograms per liter) for aqueous samples and ug/kg (micrograms per kilogram) for solids (or ppb – parts per billion). The units could be set according to project or state-specific requirements, such as mg/l (milligrams per liter), or mg/kg (milligrams per kilogram).
Qualifiers (Q): Definitions of most often used qualifiers are found at the bottom of each result page. Applied depending on the program – state-specific (Florida A.C. 62-160), CLP-like, AFCEE, DOD QSM, etc.
Tentatively Identified Compound (TIC): Used when client requests a search for analytes that are not part of instrument calibration. Unknown peaks are compared with published spectral libraries and best match is reported as TIC.
Surrogate (S1, S2, S3 etc.): are positive controls that are used in most organics methods to ascertain preparation efficiency and matrix effect in individual samples. These chemicals mimic common method constituents but are unlikely to be found in real samples. Recoveries can be reported for every analytical run used in the analysis.
IS (Internal Standard IS1, IS2, IS3, etc): quantitative reference used to adjust for instrument performance fluctuations.
Area (of chromatographic peak): signal intensity directly related to compound concentration.
RT (Retention Time): time required for analyte to traverse the length of analytical column. Used for compound identification.
ICAL (Initial Calibration): Must pass calibration criteria established by method.
ICV (Independent Calibration Verification): Used to verify ICAL preparation and concentration of calibration points.
CCV (Continuing Calibration Verification): Used to assess calibration status of the instrument and must recover within established acceptance criteria.
MB (Method Blank): is a negative batch control. MB is an aliquot of matrix free of analyte of interest (either ASTM Type II water or appropriate solid substance) that is put through all the preparation and possible clean-up steps alongside investigative (field) samples. MB should be free of interferences above a set level.
BS (Blank Spike, Laboratory Fortified Blank - LFB, Laboratory Control Sample - LCS): is a positive control used to determine method accuracy - in clean matrix, i.e. matrix free of analytes of interest.
BSD (Blank Spike Duplicate): Used to assess recovery reproducibility - method precision – per analytical method requirement. %Recovery and Relative Percent Difference (%RPD) are compared with the established acceptance criteria.
MS and/or **MSD (Matrix Spike and Matrix Spike Duplicate):** positive batch controls which indicate matrix effect on the precision and accuracy of the method in given sample matrix. Results are expressed in %Recovery and Relative Percent Difference (%RPD), and compared with the established acceptance criteria.
DUP (Matrix Duplicate): Positive batch control, a way of assessing laboratory's precision; however, the composition of the samples is unknown and may not yield meaningful results.
REC (Recovery in Percent): expresses method accuracy.
RPD (Relative Percent Difference): expresses method precision.
Limits: Recovery limits for surrogates and spikes

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest Laboratories Southeast, Inc.	**Job No**	FA34260
Site:	URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC	**Report Date**	6/2/2016 10:30:48 AM

On 05/27/2016, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 6.5 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of FA34260 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method EPA 200.8

Matrix: AQ **Batch ID:** MP94037

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) FA34294-1MS, FA34294-1MSD were used as the QC samples for metals.

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: FA34260
Account: AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC
Collected: 05/25/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA34260-1	**WELL-31100 BELHAVEN**					
Arsenic [a]		0.000038 J	0.0010	0.000034	mg/l	EPA 200.8
Chromium [a]		0.00026 J	0.0040	0.00010	mg/l	EPA 200.8
Copper [a]		0.0011 J	0.0040	0.00014	mg/l	EPA 200.8
Iron [a]		0.659	0.050	0.0020	mg/l	EPA 200.8
Lead [a]		0.00015 J	0.00050	0.000011	mg/l	EPA 200.8
Manganese [a]		0.0344	0.0010	0.000095	mg/l	EPA 200.8
Zinc [a]		0.0030 J	0.010	0.0012	mg/l	EPA 200.8
Nitrogen, Ammonia		0.53	0.10	0.030	mg/l	EPA 350.1
FA34260-2	**DUP-1**					
Arsenic [a]		0.000083 J	0.0010	0.000034	mg/l	EPA 200.8
Chromium [a]		0.00026 J	0.0040	0.00010	mg/l	EPA 200.8
Copper [a]		0.0011 J	0.0040	0.00014	mg/l	EPA 200.8
Iron [a]		0.670	0.050	0.0020	mg/l	EPA 200.8
Lead [a]		0.00017 J	0.00050	0.000011	mg/l	EPA 200.8
Manganese [a]		0.0348	0.0010	0.000095	mg/l	EPA 200.8
Nickel [a]		0.00053 J	0.0040	0.00011	mg/l	EPA 200.8
Zinc [a]		0.0054 J	0.010	0.0012	mg/l	EPA 200.8
Nitrogen, Ammonia		0.50	0.10	0.030	mg/l	EPA 350.1
FA34260-3	**TRIP BLANK BELHAVEN**					
Toluene		0.0025	0.0010	0.00020	mg/l	SW846 8260B

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	WELL-31100 BELHAVEN		
Lab Sample ID:	FA34260-1	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z41115.D	1	05/26/16	MM	n/a	n/a	VZ1545
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.0010	0.00030	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	121%		74-125%
2037-26-5	Toluene-D8	102%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WELL-31100 BELHAVEN		
Lab Sample ID:	FA34260-1	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I39687.D	1	05/31/16	WV	n/a	n/a	VI1048
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM02.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.025	0.010	mg/l	
71-43-2	Benzene	ND	0.0010	0.00020	mg/l	
74-97-5	Bromochloromethane	ND	0.0010	0.00042	mg/l	
75-27-4	Bromodichloromethane	ND	0.0010	0.00024	mg/l	
75-25-2	Bromoform	ND	0.0010	0.00046	mg/l	
78-93-3	2-Butanone (MEK)	ND	0.0050	0.0026	mg/l	
75-15-0	Carbon Disulfide	ND	0.0020	0.00023	mg/l	
56-23-5	Carbon Tetrachloride	ND	0.0010	0.00030	mg/l	
108-90-7	Chlorobenzene	ND	0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND	0.0020	0.00063	mg/l	
67-66-3	Chloroform	ND	0.0010	0.00030	mg/l	
110-82-7	Cyclohexane	ND	0.0010	0.00026	mg/l	
124-48-1	Dibromochloromethane	ND	0.0010	0.00026	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0050	0.00081	mg/l	
106-93-4	1,2-Dibromoethane	ND	0.0020	0.00033	mg/l	
75-71-8	Dichlorodifluoromethane	ND	0.0020	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00027	mg/l	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00024	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00039	mg/l	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00026	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00028	mg/l	
75-35-4	1,1-Dichloroethylene	ND	0.0010	0.00022	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0010	0.00031	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0010	0.00033	mg/l	
78-87-5	1,2-Dichloropropane	ND	0.0010	0.00034	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0010	0.00026	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	0.00025	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00025	mg/l	
76-13-1	Freon 113	ND	0.0010	0.00032	mg/l	
591-78-6	2-Hexanone	ND	0.010	0.0020	mg/l	
98-82-8	Isopropylbenzene	ND	0.0010	0.00033	mg/l	
79-20-9	Methyl Acetate	ND	0.020	0.0050	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WELL-31100 BELHAVEN		
Lab Sample ID:	FA34260-1	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

VOA TCL List (SOM02.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
74-83-9	Methyl Bromide	ND	0.0020	0.00050	mg/l	
74-87-3	Methyl Chloride	ND	0.0020	0.00050	mg/l	
108-87-2	Methylcyclohexane	ND	0.0010	0.00023	mg/l	
75-09-2	Methylene Chloride	ND	0.0050	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0050	0.0014	mg/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00020	mg/l	
100-42-5	Styrene	ND	0.0010	0.00024	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0010	0.00033	mg/l	
127-18-4	Tetrachloroethylene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0010	0.00020	mg/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0020	0.00051	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0020	0.00050	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0010	0.00020	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00037	mg/l	
79-01-6	Trichloroethylene	ND	0.0010	0.00027	mg/l	
75-69-4	Trichlorofluoromethane	ND	0.0020	0.00050	mg/l	
75-01-4	Vinyl Chloride	ND	0.0010	0.00031	mg/l	
	m,p-Xylene	ND	0.0020	0.00030	mg/l	
95-47-6	o-Xylene	ND	0.0010	0.00026	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	107%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WELL-31100 BELHAVEN		
Lab Sample ID:	FA34260-1	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X046688.D	1	06/01/16	MV	05/31/16	OP60631	SX2054
Run #2							

	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

ABN TCL (SOM01.1) List

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.0098	0.0025	mg/l	
59-50-7	4-Chloro-3-methyl Phenol	ND	0.0049	0.00073	mg/l	
95-57-8	2-Chlorophenol	ND	0.0049	0.00063	mg/l	
120-83-2	2,4-Dichlorophenol	ND	0.0049	0.00062	mg/l	
105-67-9	2,4-Dimethylphenol	ND	0.0049	0.00068	mg/l	
51-28-5	2,4-Dinitrophenol	ND	0.025	0.0049	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND	0.0098	0.0020	mg/l	
95-48-7	2-Methylphenol	ND	0.0049	0.00057	mg/l	
	3&4-Methylphenol	ND	0.0049	0.0010	mg/l	
88-75-5	2-Nitrophenol	ND	0.0049	0.00061	mg/l	
100-02-7	4-Nitrophenol	ND	0.025	0.0049	mg/l	
87-86-5	Pentachlorophenol	ND	0.025	0.0049	mg/l	
108-95-2	Phenol	ND	0.0049	0.00049	mg/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.0049	0.00089	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	0.0049	0.00098	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	0.0049	0.00085	mg/l	
83-32-9	Acenaphthene	ND	0.0049	0.00055	mg/l	
208-96-8	Acenaphthylene	ND	0.0049	0.00056	mg/l	
98-86-2	Acetophenone	ND	0.0049	0.00070	mg/l	
120-12-7	Anthracene	ND	0.0049	0.00060	mg/l	
1912-24-9	Atrazine	ND	0.0049	0.00062	mg/l	
100-52-7	Benzaldehyde	ND	0.025	0.0049	mg/l	
56-55-3	Benzo(a)anthracene	ND	0.0049	0.00049	mg/l	
50-32-8	Benzo(a)pyrene	ND	0.0049	0.00049	mg/l	
205-99-2	Benzo(b)fluoranthene	ND	0.0049	0.00053	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.0049	0.00049	mg/l	
207-08-9	Benzo(k)fluoranthene	ND	0.0049	0.00062	mg/l	
92-52-4	1,1'-Biphenyl	ND	0.0049	0.00049	mg/l	
101-55-3	4-Bromophenyl Phenyl Ether	ND	0.0049	0.00049	mg/l	
85-68-7	Butyl Benzyl Phthalate	ND	0.0049	0.00098	mg/l	
86-74-8	Carbazole	ND	0.0049	0.00055	mg/l	
106-47-8	4-Chloroaniline	ND	0.0049	0.00070	mg/l	

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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WELL-31100 BELHAVEN		
Lab Sample ID:	FA34260-1	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

ABN TCL (SOM01.1) List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	0.0049	0.00066	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND	0.0049	0.00068	mg/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.0049	0.00067	mg/l	
91-58-7	2-Chloronaphthalene	ND	0.0049	0.00049	mg/l	
7005-72-3	4-Chlorophenyl Phenyl Ether	ND	0.0049	0.00057	mg/l	
218-01-9	Chrysene	ND	0.0049	0.00052	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0049	0.00074	mg/l	
132-64-9	Dibenzofuran	ND	0.0049	0.00066	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND	0.0049	0.00049	mg/l	
84-66-2	Diethyl Phthalate	ND	0.0049	0.00098	mg/l	
131-11-3	Dimethyl Phthalate	ND	0.0049	0.00098	mg/l	
84-74-2	Di-n-butyl Phthalate	ND	0.0049	0.00098	mg/l	
117-84-0	Di-n-octyl Phthalate	ND	0.0049	0.00098	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	0.0049	0.00062	mg/l	
606-20-2	2,6-Dinitrotoluene	ND	0.0049	0.00057	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.0049	0.00098	mg/l	
206-44-0	Fluoranthene	ND	0.0049	0.00049	mg/l	
86-73-7	Fluorene	ND	0.0049	0.00064	mg/l	
118-74-1	Hexachlorobenzene	ND	0.0049	0.00054	mg/l	
87-68-3	Hexachlorobutadiene	ND	0.0049	0.00050	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND	0.0049	0.00098	mg/l	
67-72-1	Hexachloroethane	ND	0.0049	0.00050	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0049	0.00049	mg/l	
78-59-1	Isophorone	ND	0.0049	0.00066	mg/l	
91-57-6	2-Methylnaphthalene	ND	0.0049	0.00055	mg/l	
91-20-3	Naphthalene	ND	0.0049	0.00049	mg/l	
88-74-4	2-Nitroaniline	ND	0.0049	0.00069	mg/l	
99-09-2	3-Nitroaniline	ND	0.0049	0.00074	mg/l	
100-01-6	4-Nitroaniline	ND	0.0049	0.00070	mg/l	
98-95-3	Nitrobenzene	ND	0.0049	0.00064	mg/l	
621-64-7	N-Nitrosodi-n-propylamine	ND	0.0049	0.00057	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND	0.0049	0.00068	mg/l	
85-01-8	Phenanthrene	ND	0.0049	0.00058	mg/l	
129-00-0	Pyrene	ND	0.0049	0.00054	mg/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.0049	0.00049	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%		14-67%
4165-62-2	Phenol-d5	23%		10-50%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
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E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WELL-31100 BELHAVEN		
Lab Sample ID:	FA34260-1	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

ABN TCL (SOM01.1) List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	73%		33-118%
4165-60-0	Nitrobenzene-d5	70%		42-108%
321-60-8	2-Fluorobiphenyl	74%		40-106%
1718-51-0	Terphenyl-d14	81%		39-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WELL-31100 BELHAVEN		
Lab Sample ID:	FA34260-1	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
		Percent Solids:	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	ND	0.0020	0.00026	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Arsenic [a]	0.000038 J	0.0010	0.000034	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Beryllium [a]	ND	0.00050	0.000013	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Cadmium [a]	ND	0.00050	0.00012	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Chromium [a]	0.00026 J	0.0040	0.00010	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Copper [a]	0.0011 J	0.0040	0.00014	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Iron [a]	0.659	0.050	0.0020	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Lead [a]	0.00015 J	0.00050	0.000011	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Manganese [a]	0.0344	0.0010	0.000095	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Mercury	ND	0.00050	0.000030	mg/l	1	05/27/16	05/27/16	JL	EPA 245.1 [1]	EPA 245.1 [3]
Nickel [a]	ND	0.0040	0.00011	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Selenium [a]	ND	0.0010	0.00012	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Silver [a]	ND	0.0020	0.000041	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Thallium [a]	ND	0.00050	0.000013	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Zinc [a]	0.0030 J	0.010	0.0012	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]

(1) Instrument QC Batch: MA13186
(2) Instrument QC Batch: N:MA39541
(3) Prep QC Batch: MP30406
(4) Prep QC Batch: N:MP94037

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
MDL = Method Detection Limit

ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	WELL-31100 BELHAVEN		
Lab Sample ID:	FA34260-1	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
		Percent Solids:	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Ammonia	0.53	0.10	0.030	mg/l	1	06/08/16 14:10	JK	EPA 350.1
Nitrogen, Nitrate	ND	0.10	0.050	mg/l	1	05/27/16 02:26	LJ	EPA 300/SW846 9056A
Sulfate	ND	2.0	0.60	mg/l	1	05/27/16 02:26	LJ	EPA 300/SW846 9056A

RL = Reporting Limit
MDL = Method Detection Limit

ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA34260-2	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z41116.D	1	05/26/16	MM	n/a	n/a	VZ1545
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.0010	0.00030	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	121%		74-125%
2037-26-5	Toluene-D8	102%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA34260-2	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I39688.D	1	05/31/16	WV	n/a	n/a	VI1048
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM02.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.025	0.010	mg/l	
71-43-2	Benzene	ND	0.0010	0.00020	mg/l	
74-97-5	Bromochloromethane	ND	0.0010	0.00042	mg/l	
75-27-4	Bromodichloromethane	ND	0.0010	0.00024	mg/l	
75-25-2	Bromoform	ND	0.0010	0.00046	mg/l	
78-93-3	2-Butanone (MEK)	ND	0.0050	0.0026	mg/l	
75-15-0	Carbon Disulfide	ND	0.0020	0.00023	mg/l	
56-23-5	Carbon Tetrachloride	ND	0.0010	0.00030	mg/l	
108-90-7	Chlorobenzene	ND	0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND	0.0020	0.00063	mg/l	
67-66-3	Chloroform	ND	0.0010	0.00030	mg/l	
110-82-7	Cyclohexane	ND	0.0010	0.00026	mg/l	
124-48-1	Dibromochloromethane	ND	0.0010	0.00026	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0050	0.00081	mg/l	
106-93-4	1,2-Dibromoethane	ND	0.0020	0.00033	mg/l	
75-71-8	Dichlorodifluoromethane	ND	0.0020	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00027	mg/l	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00024	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00039	mg/l	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00026	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00028	mg/l	
75-35-4	1,1-Dichloroethylene	ND	0.0010	0.00022	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0010	0.00031	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0010	0.00033	mg/l	
78-87-5	1,2-Dichloropropane	ND	0.0010	0.00034	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0010	0.00026	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	0.00025	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00025	mg/l	
76-13-1	Freon 113	ND	0.0010	0.00032	mg/l	
591-78-6	2-Hexanone	ND	0.010	0.0020	mg/l	
98-82-8	Isopropylbenzene	ND	0.0010	0.00033	mg/l	
79-20-9	Methyl Acetate	ND	0.020	0.0050	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA34260-2	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

VOA TCL List (SOM02.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
74-83-9	Methyl Bromide	ND	0.0020	0.00050	mg/l	
74-87-3	Methyl Chloride	ND	0.0020	0.00050	mg/l	
108-87-2	Methylcyclohexane	ND	0.0010	0.00023	mg/l	
75-09-2	Methylene Chloride	ND	0.0050	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0050	0.0014	mg/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00020	mg/l	
100-42-5	Styrene	ND	0.0010	0.00024	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0010	0.00033	mg/l	
127-18-4	Tetrachloroethylene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	ND	0.0010	0.00020	mg/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0020	0.00051	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0020	0.00050	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0010	0.00020	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00037	mg/l	
79-01-6	Trichloroethylene	ND	0.0010	0.00027	mg/l	
75-69-4	Trichlorofluoromethane	ND	0.0020	0.00050	mg/l	
75-01-4	Vinyl Chloride	ND	0.0010	0.00031	mg/l	
	m,p-Xylene	ND	0.0020	0.00030	mg/l	
95-47-6	o-Xylene	ND	0.0010	0.00026	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	107%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA34260-2	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X046690.D	1	06/01/16	MV	05/31/16	OP60631	SX2054
Run #2							

	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

ABN TCL (SOM01.1) List

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.0097	0.0024	mg/l	
59-50-7	4-Chloro-3-methyl Phenol	ND	0.0049	0.00072	mg/l	
95-57-8	2-Chlorophenol	ND	0.0049	0.00062	mg/l	
120-83-2	2,4-Dichlorophenol	ND	0.0049	0.00061	mg/l	
105-67-9	2,4-Dimethylphenol	ND	0.0049	0.00067	mg/l	
51-28-5	2,4-Dinitrophenol	ND	0.024	0.0049	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND	0.0097	0.0019	mg/l	
95-48-7	2-Methylphenol	ND	0.0049	0.00056	mg/l	
	3&4-Methylphenol	ND	0.0049	0.0010	mg/l	
88-75-5	2-Nitrophenol	ND	0.0049	0.00060	mg/l	
100-02-7	4-Nitrophenol	ND	0.024	0.0049	mg/l	
87-86-5	Pentachlorophenol	ND	0.024	0.0049	mg/l	
108-95-2	Phenol	ND	0.0049	0.00049	mg/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.0049	0.00088	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	0.0049	0.00097	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	0.0049	0.00084	mg/l	
83-32-9	Acenaphthene	ND	0.0049	0.00054	mg/l	
208-96-8	Acenaphthylene	ND	0.0049	0.00056	mg/l	
98-86-2	Acetophenone	ND	0.0049	0.00069	mg/l	
120-12-7	Anthracene	ND	0.0049	0.00060	mg/l	
1912-24-9	Atrazine	ND	0.0049	0.00061	mg/l	
100-52-7	Benzaldehyde	ND	0.024	0.0049	mg/l	
56-55-3	Benzo(a)anthracene	ND	0.0049	0.00049	mg/l	
50-32-8	Benzo(a)pyrene	ND	0.0049	0.00049	mg/l	
205-99-2	Benzo(b)fluoranthene	ND	0.0049	0.00052	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.0049	0.00049	mg/l	
207-08-9	Benzo(k)fluoranthene	ND	0.0049	0.00061	mg/l	
92-52-4	1,1'-Biphenyl	ND	0.0049	0.00049	mg/l	
101-55-3	4-Bromophenyl Phenyl Ether	ND	0.0049	0.00049	mg/l	
85-68-7	Butyl Benzyl Phthalate	ND	0.0049	0.00097	mg/l	
86-74-8	Carbazole	ND	0.0049	0.00055	mg/l	
106-47-8	4-Chloroaniline	ND	0.0049	0.00069	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA34260-2	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

ABN TCL (SOM01.1) List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	0.0049	0.00066	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND	0.0049	0.00067	mg/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.0049	0.00067	mg/l	
91-58-7	2-Chloronaphthalene	ND	0.0049	0.00049	mg/l	
7005-72-3	4-Chlorophenyl Phenyl Ether	ND	0.0049	0.00056	mg/l	
218-01-9	Chrysene	ND	0.0049	0.00051	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0049	0.00074	mg/l	
132-64-9	Dibenzofuran	ND	0.0049	0.00065	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND	0.0049	0.00049	mg/l	
84-66-2	Diethyl Phthalate	ND	0.0049	0.00097	mg/l	
131-11-3	Dimethyl Phthalate	ND	0.0049	0.00097	mg/l	
84-74-2	Di-n-butyl Phthalate	ND	0.0049	0.00097	mg/l	
117-84-0	Di-n-octyl Phthalate	ND	0.0049	0.00097	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	0.0049	0.00061	mg/l	
606-20-2	2,6-Dinitrotoluene	ND	0.0049	0.00057	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.0049	0.00097	mg/l	
206-44-0	Fluoranthene	ND	0.0049	0.00049	mg/l	
86-73-7	Fluorene	ND	0.0049	0.00063	mg/l	
118-74-1	Hexachlorobenzene	ND	0.0049	0.00053	mg/l	
87-68-3	Hexachlorobutadiene	ND	0.0049	0.00050	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND	0.0049	0.00097	mg/l	
67-72-1	Hexachloroethane	ND	0.0049	0.00050	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0049	0.00049	mg/l	
78-59-1	Isophorone	ND	0.0049	0.00065	mg/l	
91-57-6	2-Methylnaphthalene	ND	0.0049	0.00054	mg/l	
91-20-3	Naphthalene	ND	0.0049	0.00049	mg/l	
88-74-4	2-Nitroaniline	ND	0.0049	0.00068	mg/l	
99-09-2	3-Nitroaniline	ND	0.0049	0.00073	mg/l	
100-01-6	4-Nitroaniline	ND	0.0049	0.00070	mg/l	
98-95-3	Nitrobenzene	ND	0.0049	0.00064	mg/l	
621-64-7	N-Nitrosodi-n-propylamine	ND	0.0049	0.00057	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND	0.0049	0.00067	mg/l	
85-01-8	Phenanthrene	ND	0.0049	0.00058	mg/l	
129-00-0	Pyrene	ND	0.0049	0.00054	mg/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.0049	0.00049	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		14-67%
4165-62-2	Phenol-d5	24%		10-50%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA34260-2	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
Method:	SW846 8270D SW846 3510C	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

ABN TCL (SOM01.1) List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	71%		33-118%
4165-60-0	Nitrobenzene-d5	75%		42-108%
321-60-8	2-Fluorobiphenyl	76%		40-106%
1718-51-0	Terphenyl-d14	80%		39-121%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA34260-2	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
		Percent Solids:	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony [a]	ND	0.0020	0.00026	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Arsenic [a]	0.000083 J	0.0010	0.000034	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Beryllium [a]	ND	0.00050	0.000013	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Cadmium [a]	ND	0.00050	0.00012	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Chromium [a]	0.00026 J	0.0040	0.00010	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Copper [a]	0.0011 J	0.0040	0.00014	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Iron [a]	0.670	0.050	0.0020	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Lead [a]	0.00017 J	0.00050	0.000011	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Manganese [a]	0.0348	0.0010	0.000095	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Mercury	ND	0.00050	0.000030	mg/l	1	05/27/16	05/27/16	JL	EPA 245.1 [1]	EPA 245.1 [3]
Nickel [a]	0.00053 J	0.0040	0.00011	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Selenium [a]	ND	0.0010	0.00012	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Silver [a]	ND	0.0020	0.000041	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Thallium [a]	ND	0.00050	0.000013	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]
Zinc [a]	0.0054 J	0.010	0.0012	mg/l	1	06/01/16	06/01/16	ANJ	EPA 200.8 [2]	EPA 200.8 [4]

(1) Instrument QC Batch: MA13186
(2) Instrument QC Batch: N:MA39541
(3) Prep QC Batch: MP30406
(4) Prep QC Batch: N:MP94037

(a) Analysis performed at Accutest Laboratories, Dayton, NJ.

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA34260-2	**Date Sampled:**	05/25/16
Matrix:	AQ - Water	**Date Received:**	05/26/16
		Percent Solids:	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Ammonia	0.50	0.10	0.030	mg/l	1	06/08/16 14:11	JK	EPA 350.1
Nitrogen, Nitrate	ND	0.10	0.050	mg/l	1	05/27/16 02:42	LJ	EPA 300/SW846 9056A
Sulfate	ND	2.0	0.60	mg/l	1	05/27/16 02:42	LJ	EPA 300/SW846 9056A

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TRIP BLANK BELHAVEN		
Lab Sample ID:	FA34260-3	**Date Sampled:**	05/25/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/26/16
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z41117.D	1	05/26/16	MM	n/a	n/a	VZ1545
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.0010	0.00030	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	122%		74-125%
2037-26-5	Toluene-D8	104%		88-111%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK BELHAVEN		
Lab Sample ID:	FA34260-3	**Date Sampled:**	05/25/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/26/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I39689.D	1	05/31/16	WV	n/a	n/a	VI1048
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM02.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.025	0.010	mg/l	
71-43-2	Benzene	ND	0.0010	0.00020	mg/l	
74-97-5	Bromochloromethane	ND	0.0010	0.00042	mg/l	
75-27-4	Bromodichloromethane	ND	0.0010	0.00024	mg/l	
75-25-2	Bromoform	ND	0.0010	0.00046	mg/l	
78-93-3	2-Butanone (MEK)	ND	0.0050	0.0026	mg/l	
75-15-0	Carbon Disulfide	ND	0.0020	0.00023	mg/l	
56-23-5	Carbon Tetrachloride	ND	0.0010	0.00030	mg/l	
108-90-7	Chlorobenzene	ND	0.0010	0.00020	mg/l	
75-00-3	Chloroethane	ND	0.0020	0.00063	mg/l	
67-66-3	Chloroform	ND	0.0010	0.00030	mg/l	
110-82-7	Cyclohexane	ND	0.0010	0.00026	mg/l	
124-48-1	Dibromochloromethane	ND	0.0010	0.00026	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0050	0.00081	mg/l	
106-93-4	1,2-Dibromoethane	ND	0.0020	0.00033	mg/l	
75-71-8	Dichlorodifluoromethane	ND	0.0020	0.00050	mg/l	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00027	mg/l	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00024	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00039	mg/l	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00026	mg/l	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00028	mg/l	
75-35-4	1,1-Dichloroethylene	ND	0.0010	0.00022	mg/l	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0010	0.00031	mg/l	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0010	0.00033	mg/l	
78-87-5	1,2-Dichloropropane	ND	0.0010	0.00034	mg/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0010	0.00026	mg/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	0.00025	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00025	mg/l	
76-13-1	Freon 113	ND	0.0010	0.00032	mg/l	
591-78-6	2-Hexanone	ND	0.010	0.0020	mg/l	
98-82-8	Isopropylbenzene	ND	0.0010	0.00033	mg/l	
79-20-9	Methyl Acetate	ND	0.020	0.0050	mg/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK BELHAVEN		
Lab Sample ID:	FA34260-3	**Date Sampled:**	05/25/16
Matrix:	AQ - Trip Blank Water	**Date Received:**	05/26/16
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Belhaven Dump; Belhaven, Beaufort County, NC		

VOA TCL List (SOM02.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
74-83-9	Methyl Bromide	ND	0.0020	0.00050	mg/l	
74-87-3	Methyl Chloride	ND	0.0020	0.00050	mg/l	
108-87-2	Methylcyclohexane	ND	0.0010	0.00023	mg/l	
75-09-2	Methylene Chloride	ND	0.0050	0.0020	mg/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	0.0050	0.0014	mg/l	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00020	mg/l	
100-42-5	Styrene	ND	0.0010	0.00024	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0010	0.00033	mg/l	
127-18-4	Tetrachloroethylene	ND	0.0010	0.00030	mg/l	
108-88-3	Toluene	0.0025	0.0010	0.00020	mg/l	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0020	0.00051	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0020	0.00050	mg/l	
71-55-6	1,1,1-Trichloroethane	ND	0.0010	0.00020	mg/l	
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00037	mg/l	
79-01-6	Trichloroethylene	ND	0.0010	0.00027	mg/l	
75-69-4	Trichlorofluoromethane	ND	0.0020	0.00050	mg/l	
75-01-4	Vinyl Chloride	ND	0.0010	0.00031	mg/l	
	m,p-Xylene	ND	0.0020	0.00030	mg/l	
95-47-6	o-Xylene	ND	0.0010	0.00026	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	103%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody
- Analyst Legend

Parameter Certification Exceptions

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Freon 113	76-13-1	**SW846 8260B**	AQ	Certified by SOP MS005

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

4405 Vineland Road, Suite C-15 Orlando, Fl 32811
TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA34260 PAGE 1 OF 1

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: URS Corporation
Address: 1600 Perimeter Park Dr
City: Morrisville State: NC Zip: 27560
Project Contact: J Abbassi, M Ness
Phone#: J Corbin, J Abbassi
Sampler(s) Name(s) (Printed): [illegible]

Project Information

Project Name: Belhaven Dump
Street
City State
Project # 60504522
Fax #
Client Purchase Order #

Analytical Information

Accutest Sample #	Field ID / Point of Collection	COLLECTION DATE	TIME	SAMPLED BY:	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NAOH+ZNAC	DI WATER	MEOH	VOCs (8260B)	1,4-Dioxane (8260B SIM)	SVOCs (8270D)	Metals (200.8+245.1)	Ammonia (350.1)	NO3&NO2 (300)						LAB USE ONLY
1	Well-31100 Belhaven	5/25/16	1805	JC	DW	11		X	X		X	X				X	X	X	X	X	X							
2	DUP-1	5/25/16	1810	JC	DW	11		X	X		X	X				X	X	X	X	X	X							
3	Trip Blank	–	–	–	–	6			X							X	X											

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

TURNAROUND TIME (Business Days)

Approved By: / Rush Code
- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information
- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Accutest Laboratories
Raleigh, North Carolina
Service Center

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	5/26/16 15:48	2 [signature]	3 [signature]	5/26/16 15:48	4 Fed Ex
Relinquished by: 5 Fx	Date Time:	Received By: 6 [signature] 5/26/16 920	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: 1 Cooler Temperature (s) Celsius: 2.0

5.2 5

FA34260: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA34260 CLIENT: URS PROJECT: Belhaven Dump

DATE/TIME RECEIVED: 5/26/16 930 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: [FEDEX] UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 7763 6970 1700

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.0
- [ ] OBSERVED TEMPS: 2.0
- [ ] CORRECTED TEMPS: 2.0 (USED FOR LIMS)

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [X] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#_____

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

TEST STRIP LOT#s [pH 0-3 230315] pH 10-12 219813A OTHER (specify) _____

SUMMARY OF COMMENTS: · Sample #2: 1 amber reads "Well-31100 Belhaven @ 1310"
· 4 vials received for TB, COC says 6

TECHNICIAN SIGNATURE/DATE 5/26/16 REVIEWER SIGNATURE/DATE 5-24-16

NF 11/15 RECEIPTLOG040416.xls

5.2 5

FA34260: Chain of Custody
Page 2 of 3

ORIGIN ID:RZZA
TERRI RIVENBARK
ACCUTEST LABS S
6308 - C ANGUS DR
RALEIGH, NC 27617
UNITED STATES US

SHIP DATE: 25MAY16
ACTWGT: 50.00 LB
CAD: 9855222/INET3730

BILL SENDER

TO SAMP ING
ACC
4405 AND RD.
STE. C
ORLANDO FL 32811
(407) 425-6700
REF
INV
PO
DEPT.

5A0J16320/727F

FedEx Express

THU - 26 MAY 10:30A
PRIORITY OVERNIGHT

1 of 7
TRK# 0201 7763 6970 1700
MASTER

32811
FL-US MCO

XH TIXA

Analyst Legend

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Initials	Full Name	Analysis Type
MM	Melissa Mangual	GC/MS Volatiles
WV	Wilfredo Vazquez	GC/MS Volatiles
MV	Martha Valls	GC/MS Semi-volatiles
JL	James Laureano	Metals Analysis
JK	Jenna Kravitz	General Chemistry
LJ	Luis Jimenez	General Chemistry

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1545-MB	Z41103.D	1	05/26/16	MM	n/a	n/a	VZ1545

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA34260-1, FA34260-2, FA34260-3

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	0.30	ug/l	

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	113%	74-125%
2037-26-5	Toluene-D8	100%	88-111%

Method Blank Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI1048-MB	I39674.D	1	05/31/16	WV	n/a	n/a	VI1048

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA34260-1, FA34260-2, FA34260-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
71-43-2	Benzene	ND	1.0	0.20	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.42	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.24	ug/l	
75-25-2	Bromoform	ND	1.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.6	ug/l	
75-15-0	Carbon Disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon Tetrachloride	ND	1.0	0.30	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.63	ug/l	
67-66-3	Chloroform	ND	1.0	0.30	ug/l	
110-82-7	Cyclohexane	ND	1.0	0.26	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.26	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	0.81	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.33	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.27	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.24	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.26	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.28	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.22	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.33	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.34	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.25	ug/l	
76-13-1	Freon 113	ND	1.0	0.32	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.33	ug/l	
79-20-9	Methyl Acetate	ND	20	5.0	ug/l	
74-83-9	Methyl Bromide	ND	2.0	0.50	ug/l	
74-87-3	Methyl Chloride	ND	2.0	0.50	ug/l	
108-87-2	Methylcyclohexane	ND	1.0	0.23	ug/l	
75-09-2	Methylene Chloride	ND	5.0	2.0	ug/l	

Method Blank Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI1048-MB	I39674.D	1	05/31/16	WV	n/a	n/a	VI1048

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA34260-1, FA34260-2, FA34260-3

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.30	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.51	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.37	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl Chloride	ND	1.0	0.31	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.26	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	103%	85-112%
460-00-4	4-Bromofluorobenzene	106%	83-118%

Blank Spike Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VZ1545-BS	Z41102.D	1	05/26/16	MM	n/a	n/a	VZ1545

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA34260-1, FA34260-2, FA34260-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
123-91-1	1,4-Dioxane	20	19.6	98	65-121

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	109%	74-125%
2037-26-5	Toluene-D8	99%	88-111%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI1048-BS	I39673.D	1	05/31/16	WV	n/a	n/a	VI1048

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA34260-1, FA34260-2, FA34260-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	125	100	50-147
71-43-2	Benzene	25	24.9	100	81-122
74-97-5	Bromochloromethane	25	24.3	97	76-123
75-27-4	Bromodichloromethane	25	25.8	103	79-123
75-25-2	Bromoform	25	22.6	90	66-123
78-93-3	2-Butanone (MEK)	125	127	102	56-143
75-15-0	Carbon Disulfide	25	23.7	95	66-148
56-23-5	Carbon Tetrachloride	25	26.8	107	76-136
108-90-7	Chlorobenzene	25	25.4	102	82-124
75-00-3	Chloroethane	25	29.5	118	62-144
67-66-3	Chloroform	25	25.8	103	80-124
110-82-7	Cyclohexane	25	25.4	102	73-138
124-48-1	Dibromochloromethane	25	25.6	102	78-122
96-12-8	1,2-Dibromo-3-chloropropane	25	27.2	109	64-123
106-93-4	1,2-Dibromoethane	25	25.2	101	75-120
75-71-8	Dichlorodifluoromethane	25	25.4	102	42-167
95-50-1	1,2-Dichlorobenzene	25	25.4	102	82-124
541-73-1	1,3-Dichlorobenzene	25	25.9	104	84-125
106-46-7	1,4-Dichlorobenzene	25	24.9	100	78-120
75-34-3	1,1-Dichloroethane	25	27.5	110	81-122
107-06-2	1,2-Dichloroethane	25	24.8	99	75-125
75-35-4	1,1-Dichloroethylene	25	27.7	111	78-137
156-59-2	cis-1,2-Dichloroethylene	25	25.4	102	78-120
156-60-5	trans-1,2-Dichloroethylene	25	29.8	119	76-127
78-87-5	1,2-Dichloropropane	25	25.5	102	76-124
10061-01-5	cis-1,3-Dichloropropene	25	26.2	105	75-118
10061-02-6	trans-1,3-Dichloropropene	25	26.9	108	80-120
100-41-4	Ethylbenzene	25	24.6	98	81-121
76-13-1	Freon 113	25	23.4	94	72-134
591-78-6	2-Hexanone	125	113	90	61-129
98-82-8	Isopropylbenzene	25	25.9	104	83-132
79-20-9	Methyl Acetate	125	117	94	65-126
74-83-9	Methyl Bromide	25	31.1	124	59-143
74-87-3	Methyl Chloride	25	27.7	111	50-159
108-87-2	Methylcyclohexane	25	26.0	104	76-129
75-09-2	Methylene Chloride	25	25.9	104	69-135

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI1048-BS	I39673.D	1	05/31/16	WV	n/a	n/a	VI1048

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA34260-1, FA34260-2, FA34260-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
108-10-1	4-Methyl-2-pentanone (MIBK)	125	114	91	66-122
1634-04-4	Methyl Tert Butyl Ether	25	23.6	94	72-117
100-42-5	Styrene	25	24.7	99	78-119
79-34-5	1,1,2,2-Tetrachloroethane	25	25.2	101	72-120
127-18-4	Tetrachloroethylene	25	24.4	98	76-135
108-88-3	Toluene	25	24.0	96	80-120
87-61-6	1,2,3-Trichlorobenzene	25	25.2	101	68-131
120-82-1	1,2,4-Trichlorobenzene	25	25.2	101	73-129
71-55-6	1,1,1-Trichloroethane	25	25.5	102	75-130
79-00-5	1,1,2-Trichloroethane	25	24.6	98	76-119
79-01-6	Trichloroethylene	25	25.9	104	81-126
75-69-4	Trichlorofluoromethane	25	29.0	116	71-156
75-01-4	Vinyl Chloride	25	24.6	98	69-159
	m,p-Xylene	50	50.2	100	79-126
95-47-6	o-Xylene	25	25.3	101	80-127

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	97%	79-125%
2037-26-5	Toluene-D8	95%	85-112%
460-00-4	4-Bromofluorobenzene	103%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA34114-1MS	Z41118.D	1	05/26/16	MM	n/a	n/a	VZ1545
FA34114-1MSD	Z41119.D	1	05/26/16	MM	n/a	n/a	VZ1545
FA34114-1	Z41108.D	1	05/26/16	MM	n/a	n/a	VZ1545

The QC reported here applies to the following samples: **Method:** SW846 8260B BY SIM

FA34260-1, FA34260-2, FA34260-3

CAS No.	Compound	FA34114-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
123-91-1	1,4-Dioxane	ND		20	20.8	104	20	20.6	103	1	65-121/27

CAS No.	Surrogate Recoveries	MS	MSD	FA34114-1	Limits
17060-07-0	1,2-Dichloroethane-D4	119%	119%	113%	74-125%
2037-26-5	Toluene-D8	101%	101%	100%	88-111%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA34251-3MS	I39685.D	10	05/31/16	WV	n/a	n/a	VI1048
FA34251-3MSD	I39686.D	10	05/31/16	WV	n/a	n/a	VI1048
FA34251-3	I39684.D	10	05/31/16	WV	n/a	n/a	VI1048

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA34260-1, FA34260-2, FA34260-3

CAS No.	Compound	FA34251-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	250	U	1250	1260	101	1250	1160	93	8	50-147/21
71-43-2	Benzene	66.6		250	328	105	250	323	103	2	81-122/14
74-97-5	Bromochloromethane	10	U	250	238	95	250	233	93	2	76-123/14
75-27-4	Bromodichloromethane	10	U	250	246	98	250	243	97	1	79-123/19
75-25-2	Bromoform	10	U	250	166	66	250	169	68	2	66-123/21
78-93-3	2-Butanone (MEK)	50	U	1250	1350	108	1250	1190	95	13	56-143/18
75-15-0	Carbon Disulfide	20	U	250	185	74	250	185	74	0	66-148/23
56-23-5	Carbon Tetrachloride	10	U	250	242	97	250	250	100	3	76-136/23
108-90-7	Chlorobenzene	10	U	250	252	101	250	249	100	1	82-124/14
75-00-3	Chloroethane	20	U	250	292	117	250	285	114	2	62-144/20
67-66-3	Chloroform	10	U	250	254	102	250	250	100	2	80-124/15
110-82-7	Cyclohexane	10	U	250	250	100	250	248	99	1	73-138/18
124-48-1	Dibromochloromethane	10	U	250	225	90	250	223	89	1	78-122/19
96-12-8	1,2-Dibromo-3-chloropropane	50	U	250	230	92	250	242	97	5	64-123/18
106-93-4	1,2-Dibromoethane	20	U	250	252	101	250	250	100	1	75-120/13
75-71-8	Dichlorodifluoromethane	20	U	250	223	89	250	239	96	7	42-167/19
95-50-1	1,2-Dichlorobenzene	10	U	250	244	98	250	244	98	0	82-124/14
541-73-1	1,3-Dichlorobenzene	10	U	250	254	102	250	255	102	0	84-125/14
106-46-7	1,4-Dichlorobenzene	10	U	250	251	100	250	251	100	0	78-120/15
75-34-3	1,1-Dichloroethane	10	U	250	269	108	250	264	106	2	81-122/15
107-06-2	1,2-Dichloroethane	10	U	250	246	98	250	239	96	3	75-125/14
75-35-4	1,1-Dichloroethylene	10	U	250	253	101	250	252	101	0	78-137/18
156-59-2	cis-1,2-Dichloroethylene	10	U	250	247	99	250	247	99	0	78-120/15
156-60-5	trans-1,2-Dichloroethylene	10	U	250	281	112	250	281	112	0	76-127/17
78-87-5	1,2-Dichloropropane	10	U	250	257	103	250	251	100	2	76-124/14
10061-01-5	cis-1,3-Dichloropropene	10	U	250	239	96	250	232	93	3	75-118/23
10061-02-6	trans-1,3-Dichloropropene	10	U	250	248	99	250	249	100	0	80-120/22
100-41-4	Ethylbenzene	22.9		250	272	100	250	268	98	1	81-121/14
76-13-1	Freon 113	10	U	250	220	88	250	220	88	0	72-134/20
591-78-6	2-Hexanone	100	U	1250	1290	103	1250	1190	95	8	61-129/18
98-82-8	Isopropylbenzene	10	U	250	260	104	250	266	106	2	83-132/15
79-20-9	Methyl Acetate	200	U	1250	1130	90	1250	1100	88	3	65-126/18
74-83-9	Methyl Bromide	20	U	250	296	118	250	282	113	5	59-143/19
74-87-3	Methyl Chloride	20	U	250	236	94	250	241	96	2	50-159/19
108-87-2	Methylcyclohexane	10	U	250	257	103	250	253	101	2	76-129/17
75-09-2	Methylene Chloride	50	U	250	257	103	250	253	101	2	69-135/16

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA34251-3MS	I39685.D	10	05/31/16	WV	n/a	n/a	VI1048
FA34251-3MSD	I39686.D	10	05/31/16	WV	n/a	n/a	VI1048
FA34251-3	I39684.D	10	05/31/16	WV	n/a	n/a	VI1048

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA34260-1, FA34260-2, FA34260-3

CAS No.	Compound	FA34251-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
108-10-1	4-Methyl-2-pentanone (MIBK)	50	U	1250	1270	102	1250	1170	94	8	66-122/16
1634-04-4	Methyl Tert Butyl Ether	10	U	250	223	89	250	222	89	0	72-117/14
100-42-5	Styrene	10	U	250	254	102	250	253	101	0	78-119/23
79-34-5	1,1,2,2-Tetrachloroethane	10	U	250	240	96	250	249	100	4	72-120/14
127-18-4	Tetrachloroethylene	10	U	250	249	100	250	247	99	1	76-135/16
108-88-3	Toluene	339		250	574	94	250	576	95	0	80-120/14
87-61-6	1,2,3-Trichlorobenzene	20	U	250	217	87	250	220	88	1	68-131/25
120-82-1	1,2,4-Trichlorobenzene	20	U	250	221	88	250	227	91	3	73-129/20
71-55-6	1,1,1-Trichloroethane	10	U	250	244	98	250	240	96	2	75-130/16
79-00-5	1,1,2-Trichloroethane	10	U	250	247	99	250	245	98	1	76-119/14
79-01-6	Trichloroethylene	10	U	250	270	108	250	262	105	3	81-126/15
75-69-4	Trichlorofluoromethane	20	U	250	262	105	250	264	106	1	71-156/21
75-01-4	Vinyl Chloride	10	U	250	240	96	250	245	98	2	69-159/18
	m,p-Xylene	242		500	799	111	500	795	111	1	79-126/15
95-47-6	o-Xylene	191		250	458	107	250	453	105	1	80-127/14

CAS No.	Surrogate Recoveries	MS	MSD	FA34251-3	Limits
1868-53-7	Dibromofluoromethane	101%	101%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	96%	99%	79-125%
2037-26-5	Toluene-D8	99%	99%	108%	85-112%
460-00-4	4-Bromofluorobenzene	98%	98%	102%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: VI1042-BFB
Lab File ID: I39513.D
Instrument ID: GCMSI
Injection Date: 05/21/16
Injection Time: 11:30

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	23000	17.4		Pass
75	30.0 - 60.0% of mass 95	69563	52.6		Pass
95	Base peak, 100% relative abundance	132136	100.0		Pass
96	5.0 - 9.0% of mass 95	9175	6.94		Pass
173	Less than 2.0% of mass 174	528	0.40	(0.55) [a]	Pass
174	50.0 - 100.0% of mass 95	95597	72.3		Pass
175	5.0 - 9.0% of mass 174	6656	5.04	(6.96) [a]	Pass
176	95.0 - 101.0% of mass 174	91608	69.3	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	6021	4.56	(6.57) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI1042-IC1042	I39515.D	05/21/16	12:17	00:47	Initial cal 1
VI1042-IC1042	I39516.D	05/21/16	12:41	01:11	Initial cal 2
VI1042-IC1042	I39517.D	05/21/16	13:05	01:35	Initial cal 3
VI1042-ICC1042	I39518.D	05/21/16	13:29	01:59	Initial cal 4
VI1042-IC1042	I39519.D	05/21/16	13:53	02:23	Initial cal 5
VI1042-IC1042	I39520.D	05/21/16	14:17	02:47	Initial cal 6
VI1042-IC1042	I39521.D	05/21/16	14:41	03:11	Initial cal 7
VI1042-ICV1042	I39523.D	05/21/16	15:29	03:59	Initial cal verification 5

Instrument Performance Check (BFB)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: VI1048-BFB
Lab File ID: I39671.D
Instrument ID: GCMSI
Injection Date: 05/31/16
Injection Time: 07:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	19403	18.0		Pass
75	30.0 - 60.0% of mass 95	56283	52.4		Pass
95	Base peak, 100% relative abundance	107507	100.0		Pass
96	5.0 - 9.0% of mass 95	6987	6.50		Pass
173	Less than 2.0% of mass 174	529	0.49	(0.69) [a]	Pass
174	50.0 - 100.0% of mass 95	76365	71.0		Pass
175	5.0 - 9.0% of mass 174	5484	5.10	(7.18) [a]	Pass
176	95.0 - 101.0% of mass 174	72843	67.8	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4753	4.42	(6.52) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI1048-CC1042	I39672.D	05/31/16	08:17	00:21	Continuing cal 5
VI1048-BS	I39673.D	05/31/16	08:44	00:48	Blank Spike
VI1048-MB	I39674.D	05/31/16	09:08	01:12	Method Blank
ZZZZZZ	I39675.D	05/31/16	10:17	02:21	(unrelated sample)
ZZZZZZ	I39676.D	05/31/16	10:42	02:46	(unrelated sample)
ZZZZZZ	I39677.D	05/31/16	11:05	03:09	(unrelated sample)
ZZZZZZ	I39678.D	05/31/16	11:29	03:33	(unrelated sample)
ZZZZZZ	I39679.D	05/31/16	11:53	03:57	(unrelated sample)
ZZZZZZ	I39680.D	05/31/16	12:17	04:21	(unrelated sample)
ZZZZZZ	I39681.D	05/31/16	12:41	04:45	(unrelated sample)
ZZZZZZ	I39682.D	05/31/16	13:04	05:08	(unrelated sample)
ZZZZZZ	I39683.D	05/31/16	13:29	05:33	(unrelated sample)
FA34251-3	I39684.D	05/31/16	13:52	05:56	(used for QC only; not part of job FA34260)
FA34251-3MS	I39685.D	05/31/16	14:16	06:20	Matrix Spike
FA34251-3MSD	I39686.D	05/31/16	14:40	06:44	Matrix Spike Duplicate
FA34260-1	I39687.D	05/31/16	15:03	07:07	WELL-31100 BELHAVEN
FA34260-2	I39688.D	05/31/16	15:27	07:31	DUP-1
FA34260-3	I39689.D	05/31/16	15:51	07:55	TRIP BLANK BELHAVEN
ZZZZZZ	I39690.D	05/31/16	16:14	08:18	(unrelated sample)
ZZZZZZ	I39691.D	05/31/16	16:38	08:42	(unrelated sample)
ZZZZZZ	I39692.D	05/31/16	17:02	09:06	(unrelated sample)
ZZZZZZ	I39693.D	05/31/16	17:25	09:29	(unrelated sample)
ZZZZZZ	I39694.D	05/31/16	17:49	09:53	(unrelated sample)
ZZZZZZ	I39695.D	05/31/16	18:13	10:17	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: VI1048-BFB
Lab File ID: I39671.D
Instrument ID: GCMSI
Injection Date: 05/31/16
Injection Time: 07:56

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	I39696.D	05/31/16	18:36	10:40	(unrelated sample)
VI1048-ECC1042	I39697.D	05/31/16	19:00	11:04	Ending cal 5

Instrument Performance Check (BFB)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: VZ1542-BFB
Lab File ID: Z41008.D
Instrument ID: GCMSZ
Injection Date: 05/23/16
Injection Time: 13:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	38547	24.8		Pass
75	30.0 - 60.0% of mass 95	80069	51.5		Pass
95	Base peak, 100% relative abundance	155605	100.0		Pass
96	5.0 - 9.0% of mass 95	10665	6.85		Pass
173	Less than 2.0% of mass 174	1246	0.80	(1.19) [a]	Pass
174	50.0 - 100.0% of mass 95	105064	67.5		Pass
175	5.0 - 9.0% of mass 174	8263	5.31	(7.86) [a]	Pass
176	95.0 - 101.0% of mass 174	101517	65.2	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	6685	4.30	(6.59) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ1542-IC1542	Z41009.D	05/23/16	13:59	00:47	Initial cal 1
VZ1542-IC1542	Z41010.D	05/23/16	14:27	01:15	Initial cal 2
VZ1542-IC1542	Z41011.D	05/23/16	14:55	01:43	Initial cal 3
VZ1542-ICC1542	Z41012.D	05/23/16	15:23	02:11	Initial cal 4
VZ1542-IC1542	Z41013.D	05/23/16	15:51	02:39	Initial cal 5
VZ1542-IC1542	Z41014.D	05/23/16	16:19	03:07	Initial cal 6
VZ1542-IC1542	Z41015.D	05/23/16	16:47	03:35	Initial cal 7
VZ1542-ICV1542	Z41017.D	05/23/16	17:43	04:31	Initial cal verification 4
VZ1542-BS	Z41018.D	05/23/16	18:11	04:59	Blank Spike
VZ1542-MB	Z41019.D	05/23/16	18:39	05:27	Method Blank
FA34080-1	Z41020.D	05/23/16	19:07	05:55	(used for QC only; not part of job FA34260)
ZZZZZZ	Z41021.D	05/23/16	19:31	06:19	(unrelated sample)
ZZZZZZ	Z41022.D	05/23/16	19:56	06:44	(unrelated sample)
ZZZZZZ	Z41023.D	05/23/16	20:20	07:08	(unrelated sample)
ZZZZZZ	Z41025.D	05/23/16	21:09	07:57	(unrelated sample)
ZZZZZZ	Z41026.D	05/23/16	21:34	08:22	(unrelated sample)
ZZZZZZ	Z41028.D	05/23/16	22:23	09:11	(unrelated sample)
ZZZZZZ	Z41029.D	05/23/16	22:48	09:36	(unrelated sample)
ZZZZZZ	Z41030.D	05/23/16	23:13	10:01	(unrelated sample)
ZZZZZZ	Z41031.D	05/23/16	23:37	10:25	(unrelated sample)
ZZZZZZ	Z41032.D	05/24/16	00:02	10:50	(unrelated sample)
ZZZZZZ	Z41033.D	05/24/16	00:26	11:14	(unrelated sample)
ZZZZZZ	Z41034.D	05/24/16	00:50	11:38	(unrelated sample)
FA34080-1MS	Z41035.D	05/24/16	01:15	12:03	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: VZ1542-BFB
Lab File ID: Z41008.D
Instrument ID: GCMSZ
Injection Date: 05/23/16
Injection Time: 13:12

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA34080-1MSD	Z41036.D	05/24/16	01:40	12:28	Matrix Spike Duplicate
VZ1542-ECC1542	Z41037.D	05/24/16	02:04	12:52	Ending cal 4

Instrument Performance Check (BFB)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: VZ1545-BFB
Lab File ID: Z41100.D
Instrument ID: GCMSZ
Injection Date: 05/26/16
Injection Time: 08:08

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	39160	27.5		Pass
75	30.0 - 60.0% of mass 95	81435	57.2		Pass
95	Base peak, 100% relative abundance	142357	100.0		Pass
96	5.0 - 9.0% of mass 95	10246	7.20		Pass
173	Less than 2.0% of mass 174	1527	1.07	(1.65) [a]	Pass
174	50.0 - 100.0% of mass 95	92603	65.0		Pass
175	5.0 - 9.0% of mass 174	7502	5.27	(8.10) [a]	Pass
176	95.0 - 101.0% of mass 174	91267	64.1	(98.6) [a]	Pass
177	5.0 - 9.0% of mass 176	5961	4.19	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VZ1545-CC1542	Z41101.D	05/26/16	08:35	00:27	Continuing cal 4
VZ1545-BS	Z41102.D	05/26/16	09:04	00:56	Blank Spike
VZ1545-MB	Z41103.D	05/26/16	09:32	01:24	Method Blank
ZZZZZZ	Z41104.D	05/26/16	10:00	01:52	(unrelated sample)
ZZZZZZ	Z41105.D	05/26/16	10:25	02:17	(unrelated sample)
ZZZZZZ	Z41106.D	05/26/16	10:49	02:41	(unrelated sample)
FA34114-1	Z41108.D	05/26/16	11:39	03:31	(used for QC only; not part of job FA34260)
ZZZZZZ	Z41109.D	05/26/16	12:03	03:55	(unrelated sample)
ZZZZZZ	Z41110.D	05/26/16	12:28	04:20	(unrelated sample)
ZZZZZZ	Z41111.D	05/26/16	12:53	04:45	(unrelated sample)
ZZZZZZ	Z41112.D	05/26/16	13:18	05:10	(unrelated sample)
ZZZZZZ	Z41113.D	05/26/16	13:42	05:34	(unrelated sample)
ZZZZZZ	Z41114.D	05/26/16	14:07	05:59	(unrelated sample)
FA34260-1	Z41115.D	05/26/16	14:32	06:24	WELL-31100 BELHAVEN
FA34260-2	Z41116.D	05/26/16	14:56	06:48	DUP-1
FA34260-3	Z41117.D	05/26/16	15:21	07:13	TRIP BLANK BELHAVEN
FA34114-1MS	Z41118.D	05/26/16	15:45	07:37	Matrix Spike
FA34114-1MSD	Z41119.D	05/26/16	16:10	08:02	Matrix Spike Duplicate
VZ1545-ECC1542	Z41120.D	05/26/16	16:34	08:26	Ending cal 4

Volatile Internal Standard Area Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Check Std:	VI1048-CC1042	**Injection Date:**	05/31/16
Lab File ID:	I39672.D	**Injection Time:**	08:17
Instrument ID:	GCMSI	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	1249216	7.12	940864	10.23	473245	12.60	102063	4.70
Check Std [b]	1259195	7.12	898308	10.23	435360	12.59	117532	4.70
Upper Limit [c]	2518390	7.62	1796616	10.73	870720	13.09	235064	5.20
Lower Limit [d]	629598	6.62	449154	9.73	217680	12.09	58766	4.20

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VI1048-BS	1288658	7.12	1008045	10.23	471375	12.59	119411	4.70
VI1048-MB	1205350	7.12	876595	10.23	397179	12.59	103896	4.70
ZZZZZZ	1129330	7.12	814954	10.23	373438	12.59	75440	4.70
ZZZZZZ	1052599	7.12	746060	10.23	351040	12.59	86387	4.70
ZZZZZZ	1014669	7.12	757867	10.23	347631	12.59	66622	4.71
ZZZZZZ	977598	7.12	706538	10.23	329329	12.59	76772	4.71
ZZZZZZ	985388	7.12	717078	10.23	330990	12.59	74942	4.71
ZZZZZZ	956107	7.12	675166	10.23	323266	12.59	71873	4.70
ZZZZZZ	919617	7.12	674700	10.23	308837	12.59	72757	4.71
ZZZZZZ	900985	7.12	663598	10.23	308439	12.59	68145	4.71
ZZZZZZ	1060380	7.12	770271	10.23	359062	12.59	85163	4.70
FA34251-3	1031244	7.12	744821	10.23	359418	12.59	80840	4.70
FA34251-3MS	1172797	7.12	922070	10.23	458795	12.59	101070	4.70
FA34251-3MSD	1220166	7.12	940343	10.23	465691	12.59	108900	4.71
FA34260-1	1096593	7.12	792908	10.23	360919	12.59	89630	4.70
FA34260-2	1003373	7.12	734919	10.23	354924	12.60	82604	4.71
FA34260-3	956929	7.12	727666	10.23	334045	12.59	77345	4.71
ZZZZZZ	926593	7.12	700786	10.23	311528	12.59	75464	4.70
ZZZZZZ	904391	7.12	655877	10.23	310701	12.60	70313	4.70
ZZZZZZ	873044	7.12	636862	10.23	297160	12.59	69106	4.70
ZZZZZZ	843809	7.12	617487	10.23	294821	12.60	68097	4.71
ZZZZZZ	821682	7.12	626643	10.23	279890	12.59	64723	4.70
ZZZZZZ	844522	7.12	629186	10.23	290503	12.59	69058	4.71
ZZZZZZ	827138	7.12	643778	10.23	283814	12.59	74523	4.71
VI1048-ECC1042	1032924	7.12	823095	10.23	413115	12.60	97928	4.71

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VI1042-ICC1042 I39518.D 05/21/16 13:29
(b) Check Std Limit = -50 to + 100% of initial cal area.

Volatile Internal Standard Area Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Check Std:	VI1048-CC1042	**Injection Date:**	05/31/16
Lab File ID:	I39672.D	**Injection Time:**	08:17
Instrument ID:	GCMSI	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Check Std:	VZ1545-CC1542	**Injection Date:**	05/26/16
Lab File ID:	Z41101.D	**Injection Time:**	08:35
Instrument ID:	GCMSZ	**Method:**	SW846 8260B BY SIM

	IS 1 AREA	RT	IS 2 AREA	RT
Initial Cal [a]	693295	3.68	46465	4.26
Check Std [b]	538211	3.68	40149	4.26
Upper Limit [c]	1076422	4.18	80298	4.76
Lower Limit [d]	269106	3.18	20075	3.76

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT
VZ1545-BS	574493	3.69	40203	4.26
VZ1545-MB	559085	3.68	37709	4.27
ZZZZZZ	515464	3.68	36846	4.26
ZZZZZZ	523861	3.68	36252	4.26
ZZZZZZ	590653	3.68	66579	4.26
FA34114-1	534216	3.68	36072	4.26
ZZZZZZ	520743	3.68	34759	4.26
ZZZZZZ	493985	3.68	31944	4.26
ZZZZZZ	497059	3.68	33429	4.26
ZZZZZZ	492809	3.68	33503	4.26
ZZZZZZ	491316	3.68	32667	4.26
ZZZZZZ	488332	3.68	32495	4.26
FA34260-1	465887	3.68	31912	4.26
FA34260-2	468880	3.68	32039	4.26
FA34260-3	477040	3.68	33641	4.26
FA34114-1MS	489066	3.67	34328	4.26
FA34114-1MSD	483216	3.68	35332	4.26
VZ1545-ECC1542	478551	3.68	34381	4.26

IS 1 = Fluorobenzene
IS 2 = 1,4-Dioxane-d8

(a) Initial Cal is: VZ1542-ICC1542 Z41012.D 05/23/16 15:23
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Method: SW846 8260B BY SIM **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA34260-1	Z41115.D	121	102
FA34260-2	Z41116.D	121	102
FA34260-3	Z41117.D	122	104
FA34114-1MS	Z41118.D	119	101
FA34114-1MSD	Z41119.D	119	101
VZ1545-BS	Z41102.D	109	99
VZ1545-MB	Z41103.D	113	100

Surrogate Compounds	Recovery Limits
S1 = 1,2-Dichloroethane-D4	74-125%
S2 = Toluene-D8	88-111%

Volatile Surrogate Recovery Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
FA34260-1	I39687.D	99	97	103	107
FA34260-2	I39688.D	98	100	107	101
FA34260-3	I39689.D	101	101	103	102
FA34251-3MS	I39685.D	101	98	99	98
FA34251-3MSD	I39686.D	101	96	99	98
VI1048-BS	I39673.D	102	97	95	103
VI1048-MB	I39674.D	99	98	103	106

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: VI1042-ICC1042
Lab FileID: I39518.D

Response Factor Report MSVOA16

Method : C:\msdchem\2\METHODS\I-MAY21.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Mon May 23 10:21:00 2016
Response via : Initial Calibration

Calibration Files
1 =I39515.D 2 =I39516.D 3 =I39517.D 4 =I39518.D
5 =I39519.D 6 =I39520.D 7 =I39521.D

Compound	1	2	3	4	5	6	7	Avg	%RSD
1) I Fluorobenzene	----------ISTD----------								
2) Dichlorodifluorom	0.357	0.354	0.324	0.317	0.323	0.322	0.347	0.335	5.08
3)P Chloromethane	0.376	0.340	0.310	0.298	0.296	0.295	0.321	0.319	9.31
4)C Vinyl Chloride	0.490	0.482	0.438	0.419	0.403	0.391	0.388	0.430	9.72
5) Bromomethane	0.340	0.309	0.281	0.223	0.206	0.201	0.206	0.252	22.67
---- Linear regr., Force(0,0) ---- Coefficient = 0.9986									
Response Ratio = 0.00000 + 0.20561 *A									
6) Chloroethane	0.264	0.239	0.210	0.179	0.153	0.128	0.121	0.185	29.85
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9950									
Response Ratio = 0.00000 + 0.17779 *A + -0.02991 *A^2									
7) Trichlorofluorome	0.508	0.556	0.559	0.552	0.541	0.524	0.520	0.537	3.68
8) Ethyl Ether	0.254	0.190	0.196	0.207	0.220	0.235	0.254	0.222	11.74
9) 1,2-Dichlorotrifl	0.266	0.273	0.278	0.281	0.278	0.305	0.312	0.285	6.02
10)C 1,1-Dichloroethen	0.352	0.348	0.350	0.360	0.364	0.397	0.418	0.370	7.29
11) Freon 113	0.230	0.251	0.245	0.259	0.259	0.282	0.300	0.261	8.92
12) Carbon Disulfide	0.757	0.718	0.730	0.743	0.760	0.806	0.829	0.763	5.29
13) Iodomethane	0.425	0.408	0.396	0.398	0.421	0.446	0.460	0.422	5.63
14) Allyl chloride	0.207	0.209	0.214	0.208	0.193	0.218	0.230	0.211	5.35
15) Methylene Chlorid	0.332	0.290	0.284	0.283	0.281	0.285	0.288	0.292	6.18
16) Acetone	0.072	0.056	0.057	0.054	0.055	0.055	0.056	0.058	10.68
17) Methyl acetate	0.180	0.144	0.157	0.160	0.162	0.167	0.178	0.164	7.53
18) trans-1,2-Dichlor	0.294	0.297	0.295	0.305	0.308	0.323	0.348	0.310	6.30
19) Hexane	0.181	0.199	0.200	0.209	0.206	0.213	0.222	0.204	6.36
20) Methyl Tert Butyl	0.728	0.657	0.661	0.695	0.702	0.730	0.778	0.707	6.03
21) Acetonitrile	0.019	0.017	0.018	0.017	0.018	0.018	0.019	0.018	4.29
22) Di-isopropyl ethe	0.772	0.683	0.688	0.703	0.708	0.728	0.759	0.720	4.79
23) Chloroprene	0.217	0.231	0.232	0.250	0.229	0.271	0.286	0.245	10.21
24)P 1,1-Dichloroethan	0.438	0.394	0.404	0.418	0.420	0.440	0.453	0.424	4.99
25) Acrylonitrile	0.065	0.066	0.071	0.069	0.070	0.072	0.076	0.070	5.10
26) ETBE	0.712	0.681	0.704	0.729	0.758	0.806	0.863	0.750	8.54
27) Vinyl acetate	0.415	0.405	0.446	0.446	0.455	0.486	0.523	0.454	8.97
28) cis-1,2-Dichloroe	0.266	0.269	0.264	0.276	0.279	0.291	0.299	0.278	4.72
29) 2,2-Dichloropropa	0.222	0.211	0.201	0.209	0.201	0.196	0.195	0.205	4.71
30) Bromochloromethan	0.140	0.132	0.133	0.140	0.144	0.152	0.162	0.143	7.39
31) Cyclohexane	0.337	0.362	0.358	0.384	0.378	0.392	0.416	0.375	6.82
32)C Chloroform	0.494	0.461	0.469	0.488	0.476	0.496	0.526	0.487	4.42
33) Ethyl acetate	0.174	0.171	0.182	0.178	0.177	0.183	0.195	0.180	4.35
34) Tetrahydrofuran	0.082	0.067	0.064	0.061	0.058	0.059	0.061	0.065	12.61
35)S Dibromofluorometh	0.265	0.267	0.268	0.272	0.277	0.283	0.290	0.274	3.43
36) Carbon Tetrachlor	0.336	0.328	0.333	0.347	0.361	0.381	0.379	0.352	6.20
37) 1,1,1-Trichloroet	0.371	0.368	0.370	0.366	0.368	0.370	0.386	0.371	1.77
38) 2-Butanone	0.095	0.085	0.085	0.082	0.083	0.083	0.088	0.086	5.04
39) 1,1-Dichloroprope	0.331	0.337	0.335	0.343	0.341	0.355	0.373	0.345	4.19
40) Propionitrile	0.024	0.026	0.026	0.028	0.028	0.029	0.031	0.027	9.22

Initial Calibration Summary

Job Number: FA34260 **Sample:** VI1042-ICC1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39518.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

```
41)  Methacrylonitrile 0.120 0.122 0.124 0.125 0.129 0.136 0.141 0.128   5.93
42)  Benzene           0.972 0.952 0.967 1.049 1.082 1.173 1.209 1.058   9.74
43)  TAME              0.724 0.707 0.728 0.738 0.746 0.763 0.797 0.743   3.95
44)S 1,2-Dichloroethan 0.320 0.328 0.328 0.310 0.309 0.309 0.323 0.318   2.74
45)  1,2-Dichloroethan 0.424 0.372 0.360 0.352 0.350 0.352 0.362 0.367   7.07
46)  Trichloroethene   0.287 0.265 0.270 0.273 0.277 0.293 0.313 0.282   5.82
47)  Methylcyclohexane 0.379 0.416 0.430 0.434 0.437 0.457 0.486 0.434   7.62
48)  Dibromomethane    0.173 0.167 0.164 0.170 0.172 0.179 0.184 0.173   4.02
49)C 1,2-Dichloropropa 0.242 0.228 0.232 0.232 0.231 0.239 0.248 0.236   3.01
50)  Bromodichlorometh 0.316 0.317 0.326 0.335 0.337 0.355 0.370 0.337   5.87
51)  Methyl methacryla 0.120 0.138 0.147 0.147 0.150 0.157 0.167 0.147  10.08
52)  2-Chloroethyl vin 0.116 0.122 0.125 0.131 0.143 0.160 0.173 0.139  15.31
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9999
               Response Ratio = 0.00000 + 0.12262 *A + 0.00510 *A^2

53)  cis-1,3-Dichlorop 0.314 0.339 0.349 0.372 0.391 0.409 0.423 0.371  10.56

54) I   Chlorobenzene-d5      ----------------ISTD---------------------
55)S Toluene-d8        1.361 1.332 1.305 1.248 1.226 1.194 1.162 1.261   5.85
56)C Toluene           1.515 1.407 1.383 1.374 1.366 1.399 1.394 1.405   3.59
57)  2-Nitropropane    0.062 0.060 0.062 0.065 0.066 0.067 0.067 0.064   4.35
58)  4-Methyl-2-pentan 0.291 0.270 0.276 0.261 0.263 0.260 0.265 0.269   4.03
59)  trans-1,3-Dichlor 0.346 0.402 0.413 0.452 0.454 0.481 0.481 0.433  11.28
60)  Tetrachloroethene 0.325 0.337 0.339 0.358 0.360 0.386 0.396 0.357   7.39
61)  Ethyl methacrylat 0.306 0.320 0.347 0.354 0.354 0.366 0.370 0.345   6.85
62)  1,1,2-Trichloroet 0.260 0.246 0.252 0.248 0.243 0.241 0.232 0.246   3.61
63)  Dibromochlorometh 0.305 0.303 0.318 0.348 0.349 0.354 0.351 0.333   6.93
64)  1,3-Dichloropropa 0.529 0.487 0.492 0.496 0.482 0.488 0.473 0.492   3.59
65)  1,2-Dibromoethane 0.285 0.288 0.295 0.301 0.298 0.305 0.297 0.296   2.41
66)  2-hexanone        0.187 0.176 0.186 0.172 0.174 0.166 0.169 0.176   4.59
67)  1-Chlorohexane    0.395 0.411 0.410 0.446 0.444 0.459 0.462 0.432   6.18
68)C Ethylbenzene      1.713 1.564 1.564 1.626 1.625 1.708 1.685 1.641   3.86
69)P Chlorobenzene     1.030 0.932 0.920 0.976 0.990 1.058 1.068 0.996   5.87
70)  1,1,1,2-Tetrachlo 0.311 0.297 0.315 0.331 0.328 0.338 0.334 0.322   4.59
71)  m,p-Xylene        1.138 1.166 1.199 1.235 1.289 1.315 1.289 1.233   5.51
72)  o-Xylene          1.158 1.099 1.172 1.189 1.190 1.231 1.228 1.181   3.82
73)  Styrene           0.721 0.792 0.832 0.890 0.941 0.979 0.982 0.877  11.34
74)P Bromoform         0.159 0.152 0.165 0.187 0.211 0.219 0.215 0.187  15.32
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9989
               Response Ratio = 0.00000 + 0.21452 *A

75)  Isopropylbenzene  1.274 1.324 1.375 1.466 1.485 1.550 1.548 1.432   7.61

76) I   1,4-Dichlorobenzene-d ----------------ISTD---------------------
77)S 4-Bromofluorobenz 0.700 0.720 0.703 0.683 0.720 0.709 0.685 0.703   2.11
78)  cis-1,4-Dichloro-       0.103 0.124 0.130 0.136 0.143 0.141 0.129  11.39
79)  n-Propylbenzene   3.272 3.300 3.377 3.614 3.781 4.027 4.046 3.631   9.10
80)  Bromobenzene      0.790 0.730 0.727 0.805 0.858 0.931 0.963 0.829  11.19
81)P 1,1,2,2-Tetrachlo 0.838 0.741 0.771 0.765 0.770 0.770 0.757 0.773   3.93
82)  1,3,5-Trimethylbe 2.302 2.408 2.548 2.714 2.862 3.041 3.104 2.711  11.39
83)  2-Chlorotoluene   2.382 2.288 2.369 2.466 2.566 2.718 2.714 2.501   6.83
84)  trans-1,4-Dichlor       0.106 0.120 0.132 0.138 0.142 0.135 0.129  10.33
85)  1,2,3-Trichloropr 0.232 0.211 0.219 0.213 0.217 0.217 0.213 0.217   3.33
86)  Cyclohexanone     0.012 0.015 0.017 0.017 0.016 0.016 0.016 0.015  12.07
87)  4-Chlorotoluene   2.123 1.997 2.088 2.109 2.216 2.306 2.282 2.160   5.18
88)  tert-Butylbenzene 1.395 1.416 1.465 1.541 1.569 1.612 1.616 1.516   6.03
89)  a-Methyl Styrene  1.005 1.130 1.259 1.397 1.380 1.460 1.631 1.323  15.86
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9941
               Response Ratio = 0.00000 + 1.54417 *A
```

Initial Calibration Summary

Job Number: FA34260 **Sample:** VI1042-ICC1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39518.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

```
 90)  1,2,4-Trimethylbe 2.355 2.330 2.421 2.631 2.677 2.793 2.805 2.573   7.88
 91)  Pentachloroethane 0.327 0.365 0.397 0.444 0.452 0.489 0.511 0.427  15.55
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9980
               Response Ratio = 0.00000 + 0.49597 *A

 92)  sec-Butylbenzene  2.868 2.989 3.171 3.331 3.396 3.509 3.546 3.259   7.94
 93)  4-Isopropyltoluen 2.267 2.345 2.556 2.725 2.936 3.132 3.182 2.735  13.36
 94)  1,3-Dichlorobenze 1.434 1.325 1.341 1.451 1.475 1.565 1.571 1.452   6.67
 95)  1,4-Dichlorobenze 1.652 1.481 1.480 1.551 1.559 1.641 1.654 1.574   4.86
 96)  n-Butylbenzene    1.357 1.382 1.508 1.574 1.695 1.767 1.835 1.588  11.69
 97)  Benzyl Chloride   0.168 0.174 0.220 0.269 0.307 0.339 0.367 0.263  30.02
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9995
               Response Ratio = 0.00000 + 0.25546 *A + 0.05658 *A^2

 98)  1,2-Dichlorobenze 1.426 1.313 1.306 1.374 1.435 1.488 1.514 1.408   5.73
 99)  1,2-Dibromo-3-Chl 0.095 0.103 0.114 0.116 0.120 0.123 0.127 0.114   9.86
100)  Hexachlorobutadie 0.326 0.323 0.355 0.362 0.419 0.469 0.479 0.390  16.75
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9986
               Response Ratio = 0.00000 + 0.37795 *A + 0.05285 *A^2

101)  1,2,4-Trichlorobe 0.845 0.735 0.808 0.874 0.937 1.033 1.070 0.900  13.39
102)  Naphthalene       1.977 1.765 1.896 2.047 2.164 2.330 2.484 2.095  11.95
103)  1,2,3-Trichlorobe 0.759 0.687 0.759 0.785 0.903 0.992 1.029 0.845  15.46
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
               Response Ratio = 0.00000 + 0.80156 *A + 0.11786 *A^2


104) I   Tert Butyl Alcohol-d1 ----------------ISTD---------------------
105)  Ethanol                 0.115 0.127 0.120 0.115 0.119 0.106 0.117   5.79
106)  Acrolein          2.092 1.996 1.987 1.979 2.089 2.047 1.907 2.014   3.30
107)  Tert Butyl Alcoho 1.454 1.352 1.314 1.290 1.230 1.225 1.127 1.285   8.12
108)  Isobutyl alcohol  0.581 0.553 0.519 0.503 0.505 0.495 0.483 0.520   6.76
109)  Tert Amyl Alcohol 0.921 0.881 0.938 0.928 0.906 0.911 0.855 0.906   3.19
110)  1,4-Dioxane             0.094 0.103 0.113 0.111 0.110 0.103 0.106   6.60
 ---------------------------------------------------------------------------
 (#) = Out of Range

           I-MAY21.M         Mon May 23 14:34:34 2016
```

Initial Calibration Verification

Job Number: FA34260 **Sample:** VI1042-ICV1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39523.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\DATA\052116\I39523.D Vial: 10
Acq On : 21 May 2016 3:29 pm Operator: WILFREDO
Sample : ICV1042-5 Inst : MSVOA16
Misc : MS33934,VI1042,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\2\METHODS\I-MAY21.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Mon May 23 10:21:00 2016
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	110	0.00	7.12
2		Dichlorodifluoromethane	0.335	0.307	8.4	104	0.00	2.27
3	P	Chloromethane	0.319	0.277	13.2	103	0.00	2.48
4	C	Vinyl Chloride	0.430	0.354	17.7	97	0.00	2.60
		----------	Amount	Calc.	%Drift	----------		
5		Bromomethane	40.000	38.384	4.0	105	0.00	2.97
6		Chloroethane	40.000	34.160	14.6	96	0.00	3.12
		----------	AvgRF	CCRF	%Dev	----------		
7		Trichlorofluoromethane	0.537	0.489	8.9	99	0.00	3.30
8		Ethyl Ether	0.222	0.218	1.8	109	0.00	3.59
9		1,2-Dichlorotrifluoroetha	0.285	0.297	-4.2	117	0.00	3.81
10	C	1,1-Dichloroethene	0.370	0.379	-2.4	114	0.00	3.84
11		Freon 113	0.261	0.228	12.6	97	0.00	3.89
12		Carbon Disulfide	0.763	0.689	9.7	99	0.00	3.91
13		Iodomethane	0.422	0.405	4.0	105	0.00	4.03
14		Allyl chloride	0.211	0.254	-20.4#	145	0.00	4.32
15		Methylene Chloride	0.292	0.282	3.4	110	0.00	4.44
16		Acetone	0.058	0.054	6.9	107	0.00	4.48
17		Methyl acetate	0.164	0.154	6.1	104	0.00	4.60
18		trans-1,2-Dichloroethene	0.310	0.346	-11.6	123	0.00	4.62
19		Hexane	0.204	0.188	7.8	100	0.00	4.70
20		Methyl Tert Butyl Ether	0.707	0.680	3.8	106	0.00	4.71
21		Acetonitrile	0.018	0.019	-5.6	112	0.00	4.97
22		Di-isopropyl ether	0.720	0.673	6.5	104	0.00	5.10
23		Chloroprene	0.245	0.284	-15.9	136	0.00	5.24
24	P	1,1-Dichloroethane	0.424	0.435	-2.6	114	0.00	5.26
25		Acrylonitrile	0.070	0.074	-5.7	115	0.00	5.29
26		ETBE	0.750	0.714	4.8	103	0.00	5.48
27		Vinyl acetate	0.454	0.470	-3.5	113	0.00	5.48
28		cis-1,2-Dichloroethene	0.278	0.282	-1.4	111	0.00	5.82
29		2,2-Dichloropropane	0.205	0.211	-2.9	116	0.00	5.94
30		Bromochloromethane	0.143	0.141	1.4	107	0.00	6.04
31		Cyclohexane	0.375	0.337	10.1	98	0.00	6.07
32	C	Chloroform	0.487	0.484	0.6	112	0.00	6.09
33		Ethyl acetate	0.180	0.186	-3.3	115	0.00	6.18
34		Tetrahydrofuran	0.065	0.059	9.2	110	0.00	6.28
35	S	Dibromofluoromethane	0.274	0.290	-5.8	115	0.00	6.29
36		Carbon Tetrachloride	0.352	0.360	-2.3	109	0.00	6.28
37		1,1,1-Trichloroethane	0.371	0.357	3.8	107	0.00	6.34
38		2-Butanone	0.086	0.085	1.2	112	0.00	6.40

Initial Calibration Verification

Job Number: FA34260 **Sample:** VI1042-ICV1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39523.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

39		1,1-Dichloropropene	0.345	0.330	4.3	106	0.00	6.46
40		Propionitrile	0.027	0.029	-7.4	115	0.00	6.70
41		Methacrylonitrile	0.128	0.141	-10.2	120	0.00	6.73
42		Benzene	1.058	1.098	-3.8	111	0.00	6.71
43		TAME	0.743	0.691	7.0	102	0.00	6.80
44	S	1,2-Dichloroethane-d4	0.318	0.317	0.3	112	0.00	6.84
45		1,2-Dichloroethane	0.367	0.363	1.1	114	0.00	6.91
46		Trichloroethene	0.282	0.287	-1.8	114	0.00	7.30
47		Methylcyclohexane	0.434	0.410	5.5	103	0.00	7.31
48		Dibromomethane	0.173	0.183	-5.8	117	0.00	7.73
49	C	1,2-Dichloropropane	0.236	0.232	1.7	110	0.00	7.82
50		Bromodichloromethane	0.337	0.352	-4.5	114	0.00	7.87
51		Methyl methacrylate	0.147	0.168	-14.3	123	0.00	7.99
		----------	Amount	Calc.	%Drift		----------	
52		2-Chloroethyl vinyl ether	200.000	214.255	-7.1	119	0.00	8.40
		----------	AvgRF	CCRF	%Dev		----------	
53		cis-1,3-Dichloropropene	0.371	0.399	-7.5	112	0.00	8.49
54	I	Chlorobenzene-d5	1.000	1.000	0.0	114	0.00	10.23
55	S	Toluene-d8	1.261	1.226	2.8	114	0.00	8.68
56	C	Toluene	1.405	1.326	5.6	111	0.00	8.74
57		2-Nitropropane	0.064	0.063	1.6	108	0.00	8.94
58		4-Methyl-2-pentanone	0.269	0.251	6.7	109	0.00	9.07
59		trans-1,3-Dichloropropene	0.433	0.496	-14.5	125	0.00	9.13
60		Tetrachloroethene	0.357	0.356	0.3	113	0.00	9.13
61		Ethyl methacrylate	0.345	0.301	12.8	97	0.00	9.25
62		1,1,2-Trichloroethane	0.246	0.242	1.6	114	0.00	9.29
63		Dibromochloromethane	0.333	0.342	-2.7	112	0.00	9.49
64		1,3-Dichloropropane	0.492	0.464	5.7	110	0.00	9.57
65		1,2-Dibromoethane	0.296	0.305	-3.0	117	0.00	9.74
66		2-hexanone	0.176	0.158	10.2	104	0.00	9.90
67		1-Chlorohexane	0.432	0.404	6.5	104	0.00	10.19
68	C	Ethylbenzene	1.641	1.568	4.4	110	0.00	10.26
69	P	Chlorobenzene	0.996	0.988	0.8	114	0.00	10.25
70		1,1,1,2-Tetrachloroethane	0.322	0.343	-6.5	119	0.00	10.30
71		m,p-Xylene	1.233	1.225	0.6	109	0.00	10.40
72		o-Xylene	1.181	1.171	0.8	112	0.00	10.84
73		Styrene	0.877	0.898	-2.4	109	0.00	10.88
		----------	Amount	Calc.	%Drift		----------	
74	P	Bromoform	40.000	37.208	7.0	108	0.00	10.93
		----------	AvgRF	CCRF	%Dev		----------	
75		Isopropylbenzene	1.432	1.462	-2.1	112	0.00	11.14
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	12.60
77	S	4-Bromofluorobenzene	0.703	0.732	-4.1	116	0.00	11.44
78		cis-1,4-Dichloro-2-butene	0.129	0.097	24.8#	81	0.00	11.49
79		n-Propylbenzene	3.631	3.695	-1.8	111	0.00	11.56
80		Bromobenzene	0.829	0.858	-3.5	114	0.00	11.57
81	P	1,1,2,2-Tetrachloroethane	0.773	0.753	2.6	111	0.00	11.62
82		1,3,5-Trimethylbenzene	2.711	2.727	-0.6	108	0.00	11.75
83		2-Chlorotoluene	2.501	2.533	-1.3	112	0.00	11.74
84		trans-1,4-Dichloro-2-Bute	0.129	0.113	12.4	93	0.00	11.80
85		1,2,3-Trichloropropane	0.217	0.215	0.9	113	0.00	11.77
86		Cyclohexanone	0.015	0.016	-6.7	114	0.00	11.83
87		4-Chlorotoluene	2.160	2.167	-0.3	111	0.00	11.91
88		tert-Butylbenzene	1.516	1.481	2.3	107	0.00	12.08

Initial Calibration Verification

Job Number: FA34260 **Sample:** VI1042-ICV1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39523.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

		Amount	Calc.	%Drift			
89	a-Methyl Styrene		NA				

		AvgRF	CCRF	%Dev			
90	1,2,4-Trimethylbenzene	2.573	2.579	-0.2	110	0.00	12.15

		Amount	Calc.	%Drift			
91	Pentachloroethane	40.000	34.671	13.3	108	0.00	12.13

		AvgRF	CCRF	%Dev			
92	sec-Butylbenzene	3.259	3.284	-0.8	110	0.00	12.27
93	4-Isopropyltoluene	2.735	2.854	-4.4	111	0.00	12.40
94	1,3-Dichlorobenzene	1.452	1.487	-2.4	115	0.00	12.52
95	1,4-Dichlorobenzene	1.574	1.566	0.5	114	0.00	12.61
96	n-Butylbenzene	1.588	1.539	3.1	103	0.00	12.85

		Amount	Calc.	%Drift			
97	Benzyl Chloride	40.000	38.924	2.7	108	0.00	12.85

		AvgRF	CCRF	%Dev			
98	1,2-Dichlorobenzene	1.408	1.417	-0.6	112	0.00	13.05
99	1,2-Dibromo-3-Chloropropa	0.114	0.115	-0.9	109	0.00	13.83

		Amount	Calc.	%Drift			
100	Hexachlorobutadiene	40.000	38.435	3.9	109	0.00	14.42

		AvgRF	CCRF	%Dev			
101	1,2,4-Trichlorobenzene	0.900	0.927	-3.0	112	0.00	14.46
102	Naphthalene	2.095	2.310	-10.3	121	0.00	14.73

		Amount	Calc.	%Drift			
103	1,2,3-Trichlorobenzene	40.000	39.656	0.9	112	0.00	14.90

		AvgRF	CCRF	%Dev			
104 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	114	0.00	4.71
105	Ethanol	0.117	0.110	6.0	109	0.00	3.74
106	Acrolein	2.014	2.300	-14.2	125	0.00	4.18
107	Tert Butyl Alcohol	1.285	1.148	10.7	106	0.00	4.79
108	Isobutyl alcohol	0.520	0.453	12.9	102	0.00	6.85
109	Tert Amyl Alcohol	0.906	0.824	9.1	104	0.00	6.96
110	1,4-Dioxane	0.106	0.109	-2.8	112	0.00	8.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I39519.D I-MAY21.M Mon May 23 14:47:48 2016

Continuing Calibration Summary

Job Number: FA34260 **Sample:** VI1048-CC1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39672.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\053116\I39672.D            Vial: 1
Acq On    : 31 May 2016   8:17 am                     Operator: WILFREDO
Sample    : CC1042-5                                  Inst    : MSVOA16
Misc      : MS34007,VI1048,,,,,                       Multiplr: 1.00
MS Integration Params: med.p

Method       : C:\msdchem\2\METHODS\I-MAY21.M (RTE Integrator)
Title        : SW-846 Method 5035A/8260B
Last Update  : Mon May 23 10:21:00 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	96	0.00	7.12
2		Dichlorodifluoromethane	0.335	0.306	8.7	91	0.00	2.27
3	P	Chloromethane	0.319	0.312	2.2	101	0.02	2.50
4	C	Vinyl Chloride	0.430	0.413	4.0	98	0.00	2.60
		----------	Amount	Calc.	%Drift		----------	
5		Bromomethane	40.000	44.893	-12.2	107	0.00	2.98
6		Chloroethane	40.000	43.034	-7.6	102	0.00	3.13
		----------	AvgRF	CCRF	%Dev		----------	
7		Trichlorofluoromethane	0.537	0.584	-8.8	103	0.00	3.30
8		Ethyl Ether	0.222	0.218	1.8	95	0.00	3.59
9		1,2-Dichlorotrifluoroetha	0.285	0.288	-1.1	99	0.00	3.81
10	C	1,1-Dichloroethene	0.370	0.378	-2.2	99	0.01	3.85
11		Freon 113	0.261	0.267	-2.3	98	0.00	3.89
12		Carbon Disulfide	0.763	0.757	0.8	95	0.00	3.91
13		Iodomethane	0.422	0.409	3.1	93	0.00	4.03
14		Allyl chloride	0.211	0.329	-55.9#	163	0.00	4.32
15		Methylene Chloride	0.292	0.292	0.0	99	0.00	4.43
16		Acetone	0.058	0.060	-3.4	104	0.00	4.48
17		Methyl acetate	0.164	0.159	3.0	94	0.00	4.60
18		trans-1,2-Dichloroethene	0.310	0.316	-1.9	98	0.00	4.62
19		Hexane	0.204	0.213	-4.4	99	0.00	4.70
20		Methyl Tert Butyl Ether	0.707	0.719	-1.7	98	0.00	4.71
21		Acetonitrile	0.018	0.019	-5.6	102	0.00	4.96
22		Di-isopropyl ether	0.720	0.716	0.6	97	0.00	5.09
23		Chloroprene	0.245	0.349	-42.4#	145	0.00	5.23
24	P	1,1-Dichloroethane	0.424	0.437	-3.1	99	0.00	5.25
25		Acrylonitrile	0.070	0.078	-11.4	105	0.00	5.29
26		ETBE	0.750	0.765	-2.0	97	0.00	5.48
27		Vinyl acetate	0.454	0.551	-21.4#	116	0.00	5.48
28		cis-1,2-Dichloroethene	0.278	0.281	-1.1	96	0.00	5.82
29		2,2-Dichloropropane	0.205	0.197	3.9	94	0.00	5.93
30		Bromochloromethane	0.143	0.145	-1.4	96	0.00	6.03
31		Cyclohexane	0.375	0.395	-5.3	100	0.00	6.07
32	C	Chloroform	0.487	0.491	-0.8	99	0.00	6.09
33		Ethyl acetate	0.180	0.193	-7.2	104	0.00	6.18
34		Tetrahydrofuran	0.065	0.059	9.2	96	0.00	6.27
35	S	Dibromofluoromethane	0.274	0.286	-4.4	98	0.00	6.28
36		Carbon Tetrachloride	0.352	0.354	-0.6	94	0.00	6.27
37		1,1,1-Trichloroethane	0.371	0.360	3.0	94	0.00	6.34
38		2-Butanone	0.086	0.085	1.2	98	0.00	6.39

Continuing Calibration Summary

Job Number: FA34260 **Sample:** VI1048-CC1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39672.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

39		1,1-Dichloropropene	0.345	0.343	0.6	96	0.00	6.46
40		Propionitrile	0.027	0.030	-11.1	102	0.00	6.70
41		Methacrylonitrile	0.128	0.140	-9.4	104	0.00	6.72
42		Benzene	1.058	1.062	-0.4	94	0.00	6.71
43		TAME	0.743	0.733	1.3	94	0.00	6.80
44	S	1,2-Dichloroethane-d4	0.318	0.307	3.5	95	0.00	6.84
45		1,2-Dichloroethane	0.367	0.338	7.9	92	0.00	6.90
46		Trichloroethene	0.282	0.270	4.3	93	0.00	7.30
47		Methylcyclohexane	0.434	0.432	0.5	94	0.00	7.31
48		Dibromomethane	0.173	0.166	4.0	92	0.00	7.73
49	C	1,2-Dichloropropane	0.236	0.224	5.1	93	0.00	7.82
50		Bromodichloromethane	0.337	0.334	0.9	94	0.00	7.87
51		Methyl methacrylate	0.147	0.142	3.4	91	0.00	7.98
		----------	Amount	Calc.	%Drift		----------	
52		2-Chloroethyl vinyl ether	200.000	184.617	7.7	87	0.00	8.40
		----------	AvgRF	CCRF	%Dev		----------	
53		cis-1,3-Dichloropropene	0.371	0.369	0.5	90	0.00	8.49
54	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00	10.23
55	S	Toluene-d8	1.261	1.271	-0.8	92	0.00	8.68
56	C	Toluene	1.405	1.355	3.6	88	0.00	8.73
57		2-Nitropropane	0.064	0.063	1.6	85	0.00	8.94
58		4-Methyl-2-pentanone	0.269	0.273	-1.5	92	0.00	9.07
59		trans-1,3-Dichloropropene	0.433	0.434	-0.2	85	0.00	9.12
60		Tetrachloroethene	0.357	0.355	0.6	88	0.00	9.13
61		Ethyl methacrylate	0.345	0.333	3.5	84	0.00	9.24
62		1,1,2-Trichloroethane	0.246	0.233	5.3	85	0.00	9.29
63		Dibromochloromethane	0.333	0.343	-3.0	87	0.00	9.48
64		1,3-Dichloropropane	0.492	0.460	6.5	85	0.00	9.57
65		1,2-Dibromoethane	0.296	0.284	4.1	85	0.00	9.73
66		2-hexanone	0.176	0.166	5.7	85	0.00	9.89
67		1-Chlorohexane	0.432	0.419	3.0	84	0.00	10.19
68	C	Ethylbenzene	1.641	1.571	4.3	86	0.00	10.25
69	P	Chlorobenzene	0.996	0.964	3.2	86	0.00	10.25
70		1,1,1,2-Tetrachloroethane	0.322	0.344	-6.8	93	0.00	10.30
71		m,p-Xylene	1.233	1.236	-0.2	85	0.00	10.39
72		o-Xylene	1.181	1.197	-1.4	89	0.00	10.83
73		Styrene	0.877	0.892	-1.7	84	0.00	10.88
		----------	Amount	Calc.	%Drift		----------	
74	P	Bromoform	40.000	37.061	7.3	83	0.00	10.93
		----------	AvgRF	CCRF	%Dev		----------	
75		Isopropylbenzene	1.432	1.460	-2.0	87	0.00	11.14
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00	12.59
77	S	4-Bromofluorobenzene	0.703	0.700	0.4	85	0.00	11.44
78		cis-1,4-Dichloro-2-butene	0.129	0.140	-8.5	90	0.00	11.48
79		n-Propylbenzene	3.631	3.697	-1.8	86	0.00	11.56
80		Bromobenzene	0.829	0.814	1.8	83	0.00	11.57
81	P	1,1,2,2-Tetrachloroethane	0.773	0.769	0.5	88	0.00	11.62
82		1,3,5-Trimethylbenzene	2.711	2.897	-6.9	89	0.00	11.74
83		2-Chlorotoluene	2.501	2.584	-3.3	88	0.00	11.74
84		trans-1,4-Dichloro-2-Bute	0.129	0.144	-11.6	91	0.00	11.80
85		1,2,3-Trichloropropane	0.217	0.212	2.3	86	0.00	11.77
86		Cyclohexanone	0.015	0.025	-66.7#	138	0.00	11.83
87		4-Chlorotoluene	2.160	2.114	2.1	84	0.00	11.91
88		tert-Butylbenzene	1.516	1.551	-2.3	87	0.00	12.08

Continuing Calibration Summary

Job Number: FA34260 **Sample:** VI1048-CC1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39672.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

		Amount	Calc.	%Drift			
89	a-Methyl Styrene	40.000	36.589	8.5	90	0.00	12.01

		AvgRF	CCRF	%Dev			
90	1,2,4-Trimethylbenzene	2.573	2.740	-6.5	90	0.00	12.15

		Amount	Calc.	%Drift			
91	Pentachloroethane	40.000	38.506	3.7	93	0.00	12.13

		AvgRF	CCRF	%Dev			
92	sec-Butylbenzene	3.259	3.491	-7.1	90	0.00	12.27
93	4-Isopropyltoluene	2.735	2.955	-8.0	88	0.00	12.40
94	1,3-Dichlorobenzene	1.452	1.438	1.0	86	0.00	12.52
95	1,4-Dichlorobenzene	1.574	1.525	3.1	86	0.00	12.61
96	n-Butylbenzene	1.588	1.699	-7.0	88	0.00	12.85

		Amount	Calc.	%Drift			
97	Benzyl Chloride	40.000	43.135	-7.8	94	0.00	12.85

		AvgRF	CCRF	%Dev			
98	1,2-Dichlorobenzene	1.408	1.415	-0.5	86	0.00	13.05
99	1,2-Dibromo-3-Chloropropa	0.114	0.132	-15.8	96	0.00	13.83

		Amount	Calc.	%Drift			
100	Hexachlorobutadiene	40.000	39.752	0.6	87	0.00	14.41

		AvgRF	CCRF	%Dev			
101	1,2,4-Trichlorobenzene	0.900	0.980	-8.9	92	0.00	14.45
102	Naphthalene	2.095	2.413	-15.2	98	0.00	14.73

		Amount	Calc.	%Drift			
103	1,2,3-Trichlorobenzene	40.000	41.397	-3.5	90	0.00	14.90

		AvgRF	CCRF	%Dev			
104 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	107	0.00	4.70
105	Ethanol	0.117	0.096	17.9	89	-0.01	3.73
106	Acrolein	2.014	1.909	5.2	97	0.00	4.17
107	Tert Butyl Alcohol	1.285	1.135	11.7	98	0.00	4.78
108	Isobutyl alcohol	0.520	0.439	15.6	93	0.00	6.85
109	Tert Amyl Alcohol	0.906	0.867	4.3	102	0.00	6.96
110	1,4-Dioxane	0.106	0.078	26.4#	75	0.00	8.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I39519.D I-MAY21.M Tue May 31 09:57:56 2016

Continuing Calibration Summary

Job Number: FA34260 **Sample:** VI1048-ECC1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39697.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\DATA\053116\I39697.D Vial: 23
Acq On : 31 May 2016 7:00 pm Operator: WILFREDO
Sample : ECC1042-5 Inst : MSVOA16
Misc : MS34034,VI1048,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\2\METHODS\I-MAY21.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Mon May 23 10:21:00 2016
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 50% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	78	0.00	7.12
2		Dichlorodifluoromethane	0.335	0.253	24.5	61	0.00	2.28
3	P	Chloromethane	0.319	0.273	14.4	72	0.01	2.49
4	C	Vinyl Chloride	0.430	0.410	4.7	80	0.00	2.60
		----------	Amount	Calc.	%Drift		----------	
5		Bromomethane	40.000	44.217	-10.5	87	0.00	2.98
6		Chloroethane	40.000	41.202	-3.0	81	0.00	3.13
		----------	AvgRF	CCRF	%Dev		----------	
7		Trichlorofluoromethane	0.537	0.583	-8.6	84	0.00	3.29
8		Ethyl Ether	0.222	0.202	9.0	72	0.00	3.59
9		1,2-Dichlorotrifluoroetha	0.285	0.274	3.9	77	0.00	3.82
10	C	1,1-Dichloroethene	0.370	0.360	2.7	77	0.01	3.85
11		Freon 113	0.261	0.246	5.7	75	0.00	3.89
12		Carbon Disulfide	0.763	0.660	13.5	68	0.00	3.91
13		Iodomethane	0.422	0.368	12.8	68	0.00	4.03
14		Allyl chloride	0.211	0.248	-17.5	101	0.00	4.33
15		Methylene Chloride	0.292	0.290	0.7	81	0.00	4.44
16		Acetone	0.058	0.059	-1.7	85	0.00	4.48
17		Methyl acetate	0.164	0.168	-2.4	81	0.00	4.60
18		trans-1,2-Dichloroethene	0.310	0.307	1.0	78	0.00	4.62
19		Hexane	0.204	0.206	-1.0	78	0.00	4.70
20		Methyl Tert Butyl Ether	0.707	0.680	3.8	76	0.00	4.71
21		Acetonitrile	0.018	0.022	-22.2	95	0.00	4.97
22		Di-isopropyl ether	0.720	0.708	1.7	78	0.00	5.10
23		Chloroprene	0.245	0.339	-38.4	116	0.00	5.24
24	P	1,1-Dichloroethane	0.424	0.428	-0.9	80	0.00	5.26
25		Acrylonitrile	0.070	0.084	-20.0	94	0.00	5.29
26		ETBE	0.750	0.759	-1.2	79	0.00	5.48
27		Vinyl acetate	0.454	0.563	-24.0	97	0.00	5.48
28		cis-1,2-Dichloroethene	0.278	0.275	1.1	77	0.00	5.82
29		2,2-Dichloropropane	0.205	0.173	15.6	67	0.00	5.94
30		Bromochloromethane	0.143	0.137	4.2	75	0.00	6.04
31		Cyclohexane	0.375	0.383	-2.1	79	0.00	6.07
32	C	Chloroform	0.487	0.478	1.8	79	0.00	6.10
33		Ethyl acetate	0.180	0.218	-21.1	97	0.00	6.18
34		Tetrahydrofuran	0.065	0.065	0.0	87	0.00	6.28
35	S	Dibromofluoromethane	0.274	0.272	0.7	77	0.00	6.29
36		Carbon Tetrachloride	0.352	0.311	11.6	68	0.00	6.27
37		1,1,1-Trichloroethane	0.371	0.349	5.9	74	0.00	6.34
38		2-Butanone	0.086	0.096	-11.6	90	0.00	6.40

Continuing Calibration Summary

Job Number: FA34260 **Sample:** VI1048-ECC1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39697.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

39		1,1-Dichloropropene	0.345	0.343	0.6	79	0.00	6.46
40		Propionitrile	0.027	0.034	-25.9	94	0.00	6.70
41		Methacrylonitrile	0.128	0.157	-22.7	96	0.00	6.73
42		Benzene	1.058	1.110	-4.9	80	0.00	6.71
43		TAME	0.743	0.742	0.1	78	0.00	6.80
44	S	1,2-Dichloroethane-d4	0.318	0.314	1.3	79	0.00	6.84
45		1,2-Dichloroethane	0.367	0.351	4.4	79	0.00	6.91
46		Trichloroethene	0.282	0.284	-0.7	80	0.00	7.31
47		Methylcyclohexane	0.434	0.425	2.1	76	0.00	7.31
48		Dibromomethane	0.173	0.173	0.0	79	0.00	7.73
49	C	1,2-Dichloropropane	0.236	0.242	-2.5	82	0.00	7.82
50		Bromodichloromethane	0.337	0.327	3.0	76	0.00	7.87
51		Methyl methacrylate	0.147	0.172	-17.0	90	0.00	7.99
		----------	Amount	Calc.	%Drift		----------	
52		2-Chloroethyl vinyl ether	200.000	225.619	-12.8	90	0.00	8.40
		----------	AvgRF	CCRF	%Dev		----------	
53		cis-1,3-Dichloropropene	0.371	0.338	8.9	68	0.00	8.49
54	I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00	10.23
55	S	Toluene-d8	1.261	1.225	2.9	81	0.00	8.68
56	C	Toluene	1.405	1.348	4.1	80	0.00	8.74
57		2-Nitropropane	0.064	0.064	0.0	79	0.00	8.94
58		4-Methyl-2-pentanone	0.269	0.300	-11.5	93	0.00	9.07
59		trans-1,3-Dichloropropene	0.433	0.386	10.9	69	0.00	9.13
60		Tetrachloroethene	0.357	0.376	-5.3	85	0.00	9.13
61		Ethyl methacrylate	0.345	0.371	-7.5	85	0.00	9.25
62		1,1,2-Trichloroethane	0.246	0.248	-0.8	83	0.00	9.29
63		Dibromochloromethane	0.333	0.298	10.5	70	0.00	9.49
64		1,3-Dichloropropane	0.492	0.489	0.6	83	0.00	9.57
65		1,2-Dibromoethane	0.296	0.297	-0.3	81	0.00	9.74
66		2-hexanone	0.176	0.203	-15.3	95	0.00	9.90
67		1-Chlorohexane	0.432	0.426	1.4	78	0.00	10.19
68	C	Ethylbenzene	1.641	1.587	3.3	79	0.00	10.26
69	P	Chlorobenzene	0.996	0.980	1.6	81	0.00	10.25
70		1,1,1,2-Tetrachloroethane	0.322	0.319	0.9	79	0.00	10.30
71		m,p-Xylene	1.233	1.253	-1.6	79	0.00	10.40
72		o-Xylene	1.181	1.179	0.2	81	0.00	10.83
73		Styrene	0.877	0.904	-3.1	78	0.00	10.88
		----------	Amount	Calc.	%Drift		----------	
74	P	Bromoform	40.000	28.058	29.9	58	0.00	10.93
		----------	AvgRF	CCRF	%Dev		----------	
75		Isopropylbenzene	1.432	1.426	0.4	78	0.00	11.14
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	83	0.00	12.60
77	S	4-Bromofluorobenzene	0.703	0.667	5.1	77	0.00	11.44
78		cis-1,4-Dichloro-2-butene		----------NA----------				
79		n-Propylbenzene	3.631	3.572	1.6	79	0.00	11.56
80		Bromobenzene	0.829	0.793	4.3	77	0.00	11.57
81	P	1,1,2,2-Tetrachloroethane	0.773	0.802	-3.8	87	0.00	11.62
82		1,3,5-Trimethylbenzene	2.711	2.751	-1.5	80	0.00	11.75
83		2-Chlorotoluene	2.501	2.497	0.2	81	0.00	11.74
84		trans-1,4-Dichloro-2-Bute		----------NA----------				
85		1,2,3-Trichloropropane	0.217	0.220	-1.4	84	0.00	11.77
86		Cyclohexanone	0.015	0.020	-33.3	106	0.00	11.83
87		4-Chlorotoluene	2.160	2.075	3.9	78	0.00	11.91
88		tert-Butylbenzene	1.516	1.503	0.9	80	0.00	12.08

Continuing Calibration Summary

Job Number: FA34260 **Sample:** VI1048-ECC1042
Account: URSNCM AECOM, INC. **Lab FileID:** I39697.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

		Amount	Calc.	%Drift			
89	a-Methyl Styrene	40.000	35.246	11.9	82	0.00	12.01
		AvgRF	CCRF	%Dev			
90	1,2,4-Trimethylbenzene	2.573	2.598	-1.0	81	0.00	12.15
		Amount	Calc.	%Drift			
91	Pentachloroethane	40.000	26.238	34.4	60	0.00	12.13
		AvgRF	CCRF	%Dev			
92	sec-Butylbenzene	3.259	3.315	-1.7	81	0.00	12.27
93	4-Isopropyltoluene	2.735	2.768	-1.2	78	0.00	12.40
94	1,3-Dichlorobenzene	1.452	1.439	0.9	81	0.00	12.52
95	1,4-Dichlorobenzene	1.574	1.530	2.8	82	0.00	12.61
96	n-Butylbenzene	1.588	1.546	2.6	76	0.00	12.85
		Amount	Calc.	%Drift			
97	Benzyl Chloride	40.000	30.475	23.8	60	0.00	12.85
		AvgRF	CCRF	%Dev			
98	1,2-Dichlorobenzene	1.408	1.381	1.9	80	0.00	13.05
99	1,2-Dibromo-3-Chloropropa	0.114	0.116	-1.8	80	0.00	13.83
		Amount	Calc.	%Drift			
100	Hexachlorobutadiene	40.000	34.276	14.3	70	0.00	14.41
		AvgRF	CCRF	%Dev			
101	1,2,4-Trichlorobenzene	0.900	0.820	8.9	73	0.00	14.46
102	Naphthalene	2.095	2.194	-4.7	84	0.00	14.73
		Amount	Calc.	%Drift			
103	1,2,3-Trichlorobenzene	40.000	36.360	9.1	74	0.00	14.90
		AvgRF	CCRF	%Dev			
104 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	89	0.00	4.71
105	Ethanol	0.117	0.115	1.7	89	0.01	3.76
106	Acrolein	2.014	1.835	8.9	78	0.00	4.18
107	Tert Butyl Alcohol	1.285	1.154	10.2	83	0.00	4.79
108	Isobutyl alcohol	0.520	0.531	-2.1	94	0.00	6.85
109	Tert Amyl Alcohol	0.906	0.970	-7.1	95	0.00	6.96
110	1,4-Dioxane	0.106	0.121	-14.2	96	0.00	8.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I39519.D I-MAY21.M Wed Jun 01 07:36:27 2016

Initial Calibration Summary

Job Number: FA34260 **Sample:** VZ1542-ICC1542
Account: URSNCM AECOM, INC. **Lab FileID:** Z41012.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

```
                          Response Factor Report  MSVOA15

 Method       : C:\msdchem\1\METHODS\simm052316.m (RTE Integrator)
 Title        : 1,4-Dioxane by SIM
 Last Update  : Tue May 24 07:28:21 2016
 Response via : Initial Calibration

 Calibration Files
 1   =Z41009.D    2   =Z41010.D    10  =Z41011.D    40  =Z41012.D
 80  =Z41013.D    140 =Z41014.D    200 =Z41015.D

    Compound             1     2     10    40    80    140   200   Avg   %RSD
 ---------------------------------------------------------------------------

 1) I   Fluorobenzene         ----------------ISTD---------------------
 2)S 1,2-Dichloroethan 0.521 0.524 0.526 0.524 0.523 0.520 0.514 0.522   0.76
 3)S Toluene-d8        1.019 0.970 0.967 0.958 0.969 0.986 0.993 0.980   2.11

 4) I   1,4-Dioxane-d8        ----------------ISTD---------------------
 5)  1,4-Dioxane       1.702 1.379 1.501 1.465 1.469 1.473 1.495 1.498   6.59
---------------------------------------------------------------------------
(#) = Out of Range

          simm052316.m        Tue May 24 08:06:33 2016
```

Initial Calibration Verification

Job Number: FA34260 **Sample:** VZ1542-ICV1542
Account: URSNCM AECOM, INC. **Lab FileID:** Z41017.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\052316\Z41017.D            Vial: 9
Acq On    : 23 May 2016   5:43 pm                    Operator: melissam
Sample    : icv1542-4                                Inst    : MSVOA15
Misc      : MS33967,VZ1542,,,,,                      Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\1\METHODS\simm052316.m (RTE Integrator)
Title        : 1,4-Dioxane by SIM
Last Update  : Tue May 24 07:28:21 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00	3.68
2	S	1,2-Dichloroethane-d4	0.522	0.530	-1.5	101	0.00	3.48
3	S	Toluene-d8	0.980	0.946	3.5	99	0.00	4.57
4	I	1,4-Dioxane-d8	1.000	1.000	0.0	98	0.00	4.26
5		1,4-Dioxane	1.498	1.533	-2.3	102	0.00	4.27

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z41012.D simm052316.m Tue May 24 08:06:18 2016

Continuing Calibration Summary

Job Number: FA34260 **Sample:** VZ1545-CC1542
Account: URSNCM AECOM, INC. **Lab FileID:** Z41101.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\052616\Z41101.D          Vial: 1
Acq On    : 26 May 2016   8:35 am                   Operator: melissam
Sample    : cc1542-4                                Inst    : MSVOA15
Misc      : MS33630,VZ1545,,,,,                     Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\1\METHODS\simm052316.m (RTE Integrator)
Title        : 1,4-Dioxane by SIM
Last Update  : Tue May 24 07:28:21 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	78	0.00	3.68
2	S	1,2-Dichloroethane-d4	0.522	0.564	-8.0	84	0.00	3.49
3	S	Toluene-d8	0.980	0.976	0.4	79	0.00	4.57
4	I	1,4-Dioxane-d8	1.000	1.000	0.0	86	0.00	4.26
5		1,4-Dioxane	1.498	1.499	-0.1	88	0.00	4.28

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z41012.D simm052316.m Thu May 26 13:36:06 2016

Continuing Calibration Summary

Job Number: FA34260 **Sample:** VZ1545-ECC1542
Account: URSNCM AECOM, INC. **Lab FileID:** Z41120.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\052616\Z41120.D            Vial: 19
Acq On    : 26 May 2016   4:34 pm                    Operator: melissam
Sample    : ECC1542-4                                Inst    : MSVOA15
Misc      : MS34001,VZ1545,,,,,                      Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\1\METHODS\simm052316.m (RTE Integrator)
Title        : 1,4-Dioxane by SIM
Last Update  : Tue May 24 07:28:21 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  50%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	69	0.00	3.68
2	S	1,2-Dichloroethane-d4	0.522	0.631	-20.9	83	0.00	3.49
3	S	Toluene-d8	0.980	0.984	-0.4	71	0.00	4.57
4	I	1,4-Dioxane-d8	1.000	1.000	0.0	74	0.00	4.26
5		1,4-Dioxane	1.498	1.518	-1.3	77	0.00	4.28

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Z41012.D simm052316.m Fri May 27 07:57:48 2016

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60631-MB	X046646.D	1	05/31/16	MV	05/31/16	OP60631	SX2054

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA34260-1, FA34260-2

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	10	2.5	ug/l	
59-50-7	4-Chloro-3-methyl Phenol	ND	5.0	0.74	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	0.64	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	0.63	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	0.70	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	5.0	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	0.58	ug/l	
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.62	ug/l	
100-02-7	4-Nitrophenol	ND	25	5.0	ug/l	
87-86-5	Pentachlorophenol	ND	25	5.0	ug/l	
108-95-2	Phenol	ND	5.0	0.50	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.91	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.86	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.56	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.58	ug/l	
98-86-2	Acetophenone	ND	5.0	0.71	ug/l	
120-12-7	Anthracene	ND	5.0	0.61	ug/l	
1912-24-9	Atrazine	ND	5.0	0.63	ug/l	
100-52-7	Benzaldehyde	ND	25	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	0.50	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	0.50	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	0.54	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	0.63	ug/l	
92-52-4	1,1'-Biphenyl	ND	5.0	0.50	ug/l	
101-55-3	4-Bromophenyl Phenyl Ether	ND	5.0	0.50	ug/l	
85-68-7	Butyl Benzyl Phthalate	ND	5.0	1.0	ug/l	
86-74-8	Carbazole	ND	5.0	0.56	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.72	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	0.68	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	0.69	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	0.69	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.50	ug/l	

Method Blank Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60631-MB	X046646.D	1	05/31/16	MV	05/31/16	OP60631	SX2054

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA34260-1, FA34260-2

CAS No.	Compound	Result	RL	MDL	Units	Q
7005-72-3	4-Chlorophenyl Phenyl Ether	ND	5.0	0.58	ug/l	
218-01-9	Chrysene	ND	5.0	0.53	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	0.76	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.67	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.50	ug/l	
84-66-2	Diethyl Phthalate	ND	5.0	1.0	ug/l	
131-11-3	Dimethyl Phthalate	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl Phthalate	ND	5.0	1.0	ug/l	
117-84-0	Di-n-octyl Phthalate	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.63	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.58	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	0.50	ug/l	
86-73-7	Fluorene	ND	5.0	0.65	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	0.55	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.51	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	0.50	ug/l	
78-59-1	Isophorone	ND	5.0	0.67	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	0.56	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.70	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.75	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.72	ug/l	
98-95-3	Nitrobenzene	ND	5.0	0.66	ug/l	
621-64-7	N-Nitrosodi-n-propylamine	ND	5.0	0.58	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.70	ug/l	
85-01-8	Phenanthrene	ND	5.0	0.60	ug/l	
129-00-0	Pyrene	ND	5.0	0.55	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	5.0	0.50	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	49%	14-67%

Method Blank Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60631-MB	X046646.D	1	05/31/16	MV	05/31/16	OP60631	SX2054

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA34260-1, FA34260-2

CAS No.	Surrogate Recoveries		Limits
4165-62-2	Phenol-d5	34%	10-50%
118-79-6	2,4,6-Tribromophenol	76%	33-118%
4165-60-0	Nitrobenzene-d5	82%	42-108%
321-60-8	2-Fluorobiphenyl	81%	40-106%
1718-51-0	Terphenyl-d14	86%	39-121%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile [a]		0	ug/l	

(a) No TICs detected.

Blank Spike Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60631-BS	X046689.D	1	06/01/16	MV	05/31/16	OP60631	SX2054

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA34260-1, FA34260-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
105-60-2	Caprolactam	50	9.1	18	11-68
59-50-7	4-Chloro-3-methyl Phenol	50	35.0	70	54-103
95-57-8	2-Chlorophenol	50	32.9	66	52-98
120-83-2	2,4-Dichlorophenol	50	36.8	74	53-103
105-67-9	2,4-Dimethylphenol	50	31.7	63	43-90
51-28-5	2,4-Dinitrophenol	100	59.8	60	44-112
534-52-1	4,6-Dinitro-o-cresol	100	70.7	71	66-121
95-48-7	2-Methylphenol	50	29.4	59	43-90
	3&4-Methylphenol	100	55.2	55	36-88
88-75-5	2-Nitrophenol	50	35.1	70	53-102
100-02-7	4-Nitrophenol	100	33.1	33	18-62
87-86-5	Pentachlorophenol	100	79.3	79	61-115
108-95-2	Phenol	50	17.2	34	19-56
58-90-2	2,3,4,6-Tetrachlorophenol	50	34.7	69	62-110
95-95-4	2,4,5-Trichlorophenol	50	36.6	73	62-109
88-06-2	2,4,6-Trichlorophenol	50	34.9	70	59-107
83-32-9	Acenaphthene	50	36.8	74	61-107
208-96-8	Acenaphthylene	50	36.1	72	60-104
98-86-2	Acetophenone	50	35.3	71	53-106
120-12-7	Anthracene	50	37.5	75	65-108
1912-24-9	Atrazine	50	37.4	75	62-114
100-52-7	Benzaldehyde	50	32.7	65	36-129
56-55-3	Benzo(a)anthracene	50	35.6	71	66-111
50-32-8	Benzo(a)pyrene	50	36.3	73	62-107
205-99-2	Benzo(b)fluoranthene	50	36.8	74	65-114
191-24-2	Benzo(g,h,i)perylene	50	34.4	69	66-116
207-08-9	Benzo(k)fluoranthene	50	35.4	71	65-114
92-52-4	1,1'-Biphenyl	50	35.7	71	57-104
101-55-3	4-Bromophenyl Phenyl Ether	50	38.5	77	65-109
85-68-7	Butyl Benzyl Phthalate	50	37.4	75	65-112
86-74-8	Carbazole	50	39.3	79	59-113
106-47-8	4-Chloroaniline	50	36.0	72	49-105
111-91-1	bis(2-Chloroethoxy)methane	50	34.3	69	51-102
111-44-4	bis(2-Chloroethyl)ether	50	34.2	68	53-100
108-60-1	bis(2-Chloroisopropyl)ether	50	38.0	76	45-106
91-58-7	2-Chloronaphthalene	50	35.9	72	57-103

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60631-BS	X046689.D	1	06/01/16	MV	05/31/16	OP60631	SX2054

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA34260-1, FA34260-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
7005-72-3	4-Chlorophenyl Phenyl Ether	50	37.2	74	62-105
218-01-9	Chrysene	50	35.8	72	66-111
53-70-3	Dibenzo(a,h)anthracene	50	36.4	73	66-119
132-64-9	Dibenzofuran	50	38.0	76	61-106
91-94-1	3,3'-Dichlorobenzidine	50	37.2	74	46-117
84-66-2	Diethyl Phthalate	50	38.1	76	64-108
131-11-3	Dimethyl Phthalate	50	36.6	73	63-106
84-74-2	Di-n-butyl Phthalate	50	39.1	78	65-107
117-84-0	Di-n-octyl Phthalate	50	39.9	80	62-118
121-14-2	2,4-Dinitrotoluene	50	36.5	73	61-110
606-20-2	2,6-Dinitrotoluene	50	34.2	68	63-108
117-81-7	bis(2-Ethylhexyl)phthalate	50	39.2	78	61-117
206-44-0	Fluoranthene	50	36.2	72	63-106
86-73-7	Fluorene	50	37.1	74	62-108
118-74-1	Hexachlorobenzene	50	36.4	73	63-108
87-68-3	Hexachlorobutadiene	50	32.7	65	42-102
77-47-4	Hexachlorocyclopentadiene	50	27.7	55	39-102
67-72-1	Hexachloroethane	50	30.0	60	42-100
193-39-5	Indeno(1,2,3-cd)pyrene	50	35.5	71	64-119
78-59-1	Isophorone	50	34.8	70	43-87
91-57-6	2-Methylnaphthalene	50	37.8	76	51-102
91-20-3	Naphthalene	50	34.1	68	47-100
88-74-4	2-Nitroaniline	50	38.5	77	54-128
99-09-2	3-Nitroaniline	50	36.7	73	56-106
100-01-6	4-Nitroaniline	50	38.6	77	55-120
98-95-3	Nitrobenzene	50	33.8	68	50-104
621-64-7	N-Nitrosodi-n-propylamine	50	35.4	71	52-104
86-30-6	N-Nitrosodiphenylamine	50	37.8	76	64-108
85-01-8	Phenanthrene	50	36.9	74	66-110
129-00-0	Pyrene	50	37.1	74	64-113
95-94-3	1,2,4,5-Tetrachlorobenzene	50	33.9	68	47-111

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	44%	14-67%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60631-BS	X046689.D	1	06/01/16	MV	05/31/16	OP60631	SX2054

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA34260-1, FA34260-2

CAS No.	Surrogate Recoveries	BSP	Limits
4165-62-2	Phenol-d5	31%	10-50%
118-79-6	2,4,6-Tribromophenol	74%	33-118%
4165-60-0	Nitrobenzene-d5	70%	42-108%
321-60-8	2-Fluorobiphenyl	73%	40-106%
1718-51-0	Terphenyl-d14	75%	39-121%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60631-MS	X046685.D	1	06/01/16	MV	05/31/16	OP60631	SX2054
OP60631-MSD	X046686.D	1	06/01/16	MV	05/31/16	OP60631	SX2054
FA34254-1	X046684.D	1	06/01/16	MV	05/31/16	OP60631	SX2054

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA34260-1, FA34260-2

CAS No.	Compound	FA34254-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
105-60-2	Caprolactam	ND		104	32.3	31	104	37.8	36	16	11-68/39
59-50-7	4-Chloro-3-methyl Phenol	ND		104	72.8	70	104	87.9	84	19	54-103/23
95-57-8	2-Chlorophenol	ND		104	64.8	62	104	76.0	73	16	52-98/25
120-83-2	2,4-Dichlorophenol	ND		104	71.2	68	104	84.5	81	17	53-103/26
105-67-9	2,4-Dimethylphenol	ND		104	59.6	57	104	73.8	71	21	43-90/27
51-28-5	2,4-Dinitrophenol	ND		208	137	66	208	163	78	17	44-112/25
534-52-1	4,6-Dinitro-o-cresol	ND		208	157	75	208	184	88	16	66-121/23
95-48-7	2-Methylphenol	ND		104	60.9	58	104	73.4	70	19	43-90/28
	3&4-Methylphenol	ND		208	120	58	208	145	70	19	36-88/28
88-75-5	2-Nitrophenol	ND		104	68.3	66	104	81.2	78	17	53-102/29
100-02-7	4-Nitrophenol	ND		208	106	51	208	125	60	16	18-62/33
87-86-5	Pentachlorophenol	ND		208	178	85	208	207	99	15	61-115/26
108-95-2	Phenol	ND		104	45.0	43	104	50.7	49	12	19-56/35
58-90-2	2,3,4,6-Tetrachlorophenol	ND		104	74.0	71	104	86.5	83	16	62-110/22
95-95-4	2,4,5-Trichlorophenol	ND		104	75.4	72	104	90.8	87	19	62-109/22
88-06-2	2,4,6-Trichlorophenol	ND		104	72.9	70	104	87.4	84	18	59-107/23
83-32-9	Acenaphthene	ND		104	75.0	72	104	87.6	84	15	61-107/22
208-96-8	Acenaphthylene	ND		104	73.6	71	104	86.5	83	16	60-104/22
98-86-2	Acetophenone	ND		104	66.7	64	104	80.0	77	18	53-106/27
120-12-7	Anthracene	ND		104	78.7	76	104	91.0	87	14	65-108/20
1912-24-9	Atrazine	ND		104	79.9	77	104	90.1	86	12	62-114/24
100-52-7	Benzaldehyde	ND		104	59.0	57	104	71.4	69	19	36-129/29
56-55-3	Benzo(a)anthracene	ND		104	76.3	73	104	89.4	86	16	66-111/22
50-32-8	Benzo(a)pyrene	ND		104	78.5	75	104	93.0	89	17	62-107/23
205-99-2	Benzo(b)fluoranthene	ND		104	80.9	78	104	90.3	87	11	65-114/23
191-24-2	Benzo(g,h,i)perylene	ND		104	75.7	73	104	86.4	83	13	66-116/23
207-08-9	Benzo(k)fluoranthene	ND		104	80.2	77	104	93.6	90	15	65-114/24
92-52-4	1,1'-Biphenyl	ND		104	70.1	67	104	84.3	81	18	57-104/23
101-55-3	4-Bromophenyl Phenyl Ether	ND		104	82.7	79	104	95.2	91	14	65-109/23
85-68-7	Butyl Benzyl Phthalate	ND		104	81.7	78	104	95.6	92	16	65-112/24
86-74-8	Carbazole	ND		104	83.4	80	104	95.4	92	13	59-113/21
106-47-8	4-Chloroaniline	ND		104	71.7	69	104	82.0	79	13	49-105/27
111-91-1	bis(2-Chloroethoxy)methane	ND		104	65.5	63	104	79.4	76	19	51-102/28
111-44-4	bis(2-Chloroethyl)ether	ND		104	67.4	65	104	79.2	76	16	53-100/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		104	71.3	68	104	84.9	82	17	45-106/26
91-58-7	2-Chloronaphthalene	ND		104	70.2	67	104	84.1	81	18	57-103/23

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60631-MS	X046685.D	1	06/01/16	MV	05/31/16	OP60631	SX2054
OP60631-MSD	X046686.D	1	06/01/16	MV	05/31/16	OP60631	SX2054
FA34254-1	X046684.D	1	06/01/16	MV	05/31/16	OP60631	SX2054

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA34260-1, FA34260-2

CAS No.	Compound	FA34254-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
7005-72-3	4-Chlorophenyl Phenyl Ether	ND		104	74.7	72	104	89.4	86	18	62-105/20
218-01-9	Chrysene	ND		104	76.2	73	104	89.2	86	16	66-111/22
53-70-3	Dibenzo(a,h)anthracene	ND		104	76.7	74	104	90.2	87	16	66-119/24
132-64-9	Dibenzofuran	ND		104	77.4	74	104	92.0	88	17	61-106/21
91-94-1	3,3'-Dichlorobenzidine	ND		104	63.9	61	104	77.5	74	19	46-117/29
84-66-2	Diethyl Phthalate	ND		104	81.5	78	104	91.1	87	11	64-108/21
131-11-3	Dimethyl Phthalate	ND		104	78.2	75	104	91.2	88	15	63-106/22
84-74-2	Di-n-butyl Phthalate	ND		104	83.4	80	104	95.4	92	13	65-107/21
117-84-0	Di-n-octyl Phthalate	ND		104	86.5	83	104	101	97	15	62-118/24
121-14-2	2,4-Dinitrotoluene	ND		104	77.7	75	104	90.5	87	15	61-110/21
606-20-2	2,6-Dinitrotoluene	ND		104	74.1	71	104	87.5	84	17	63-108/21
117-81-7	bis(2-Ethylhexyl)phthalate	ND		104	84.4	81	104	99.7	96	17	61-117/23
206-44-0	Fluoranthene	ND		104	77.2	74	104	88.7	85	14	63-106/21
86-73-7	Fluorene	ND		104	75.6	73	104	89.3	86	17	62-108/20
118-74-1	Hexachlorobenzene	ND		104	76.4	73	104	88.8	85	15	63-108/22
87-68-3	Hexachlorobutadiene	ND		104	61.7	59	104	75.5	72	20	42-102/28
77-47-4	Hexachlorocyclopentadiene	ND		104	51.5	49	104	67.0	64	26	39-102/29
67-72-1	Hexachloroethane	ND		104	56.2	54	104	68.5	66	20	42-100/29
193-39-5	Indeno(1,2,3-cd)pyrene	ND		104	79.4	76	104	92.2	89	15	64-119/24
78-59-1	Isophorone	ND		104	67.3	65	104	83.0	80	21	43-87/25
91-57-6	2-Methylnaphthalene	ND		104	71.4	69	104	86.5	83	19	51-102/26
91-20-3	Naphthalene	ND		104	66.5	64	104	79.1	76	17	47-100/29
88-74-4	2-Nitroaniline	ND		104	85.0	82	104	96.8	93	13	54-128/24
99-09-2	3-Nitroaniline	ND		104	74.8	72	104	88.4	85	17	56-106/27
100-01-6	4-Nitroaniline	ND		104	84.0	81	104	93.9	90	11	55-120/24
98-95-3	Nitrobenzene	ND		104	67.8	65	104	79.6	76	16	50-104/28
621-64-7	N-Nitrosodi-n-propylamine	ND		104	66.6	64	104	79.6	76	18	52-104/25
86-30-6	N-Nitrosodiphenylamine	ND		104	80.3	77	104	92.2	89	14	64-108/23
85-01-8	Phenanthrene	ND		104	78.0	75	104	90.4	87	15	66-110/21
129-00-0	Pyrene	ND		104	79.5	76	104	92.7	89	15	64-113/23
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		104	65.4	63	104	81.4	78	22	47-111/27

CAS No.	Surrogate Recoveries	MS	MSD	FA34254-1	Limits
367-12-4	2-Fluorophenol	50%	56%	30%	14-67%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP60631-MS	X046685.D	1	06/01/16	MV	05/31/16	OP60631	SX2054
OP60631-MSD	X046686.D	1	06/01/16	MV	05/31/16	OP60631	SX2054
FA34254-1	X046684.D	1	06/01/16	MV	05/31/16	OP60631	SX2054

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA34260-1, FA34260-2

CAS No.	Surrogate Recoveries	MS	MSD	FA34254-1	Limits
4165-62-2	Phenol-d5	39%	46%	20%	10-50%
118-79-6	2,4,6-Tribromophenol	76%	88%	72%	33-118%
4165-60-0	Nitrobenzene-d5	66%	77%	58%	42-108%
321-60-8	2-Fluorobiphenyl	67%	81%	64%	40-106%
1718-51-0	Terphenyl-d14	77%	88%	78%	39-121%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: SX2052-DFTPP
Lab File ID: X046538.D
Instrument ID: GCMSX
Injection Date: 05/26/16
Injection Time: 10:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	62250	49.6		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	45113	35.9		Pass
70	Less than 2.0% of mass 69	268	0.21	(0.59) [a]	Pass
127	40.0 - 60.0% of mass 198	71616	57.0		Pass
197	Less than 1.0% of mass 198	366	0.29		Pass
198	Base peak, 100% relative abundance	125616	100.0		Pass
199	5.0 - 9.0% of mass 198	8598	6.84		Pass
275	10.0 - 30.0% of mass 198	20795	16.6		Pass
365	1.0 - 100.0% of mass 198	1980	1.58		Pass
441	Present, but less than mass 443	1555	1.24	(13.5) [b]	Pass
442	40.0 - 100.0% of mass 198	58125	46.3		Pass
443	17.0 - 23.0% of mass 442	11517	9.17	(19.8) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SX2052-IC2052	X046541.D	05/26/16	11:12	01:10	Initial cal 5
SX2052-IC2052	X046542.D	05/26/16	11:36	01:34	Initial cal 10
SX2052-IC2052	X046543.D	05/26/16	12:00	01:58	Initial cal 25
SX2052-ICC2052	X046544.D	05/26/16	12:24	02:22	Initial cal 50
SX2052-IC2052	X046545.D	05/26/16	12:48	02:46	Initial cal 60
SX2052-IC2052	X046546.D	05/26/16	13:11	03:09	Initial cal 75
SX2052-IC2052	X046547.D	05/26/16	13:35	03:33	Initial cal 100
SX2052-ICV2052	X046548.D	05/26/16	13:59	03:57	Initial cal verification 50
SX2052-ICV2052	X046549.D	05/26/16	14:23	04:21	Initial cal verification 50
ZZZZZZ	X046555.D	05/26/16	16:48	06:46	(unrelated sample)
ZZZZZZ	X046556.D	05/26/16	17:11	07:09	(unrelated sample)
ZZZZZZ	X046557.D	05/26/16	17:35	07:33	(unrelated sample)
ZZZZZZ	X046558.D	05/26/16	17:59	07:57	(unrelated sample)
ZZZZZZ	X046559.D	05/26/16	18:23	08:21	(unrelated sample)
ZZZZZZ	X046560.D	05/26/16	18:47	08:45	(unrelated sample)
ZZZZZZ	X046561.D	05/26/16	19:11	09:09	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: SX2054-DFTPP
Lab File ID: X046641.D
Instrument ID: GCMSX
Injection Date: 05/31/16
Injection Time: 14:06

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	57027	48.2		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	40010	33.8		Pass
70	Less than 2.0% of mass 69	210	0.18	(0.52) [a]	Pass
127	40.0 - 60.0% of mass 198	66392	56.1		Pass
197	Less than 1.0% of mass 198	112	0.09		Pass
198	Base peak, 100% relative abundance	118328	100.0		Pass
199	5.0 - 9.0% of mass 198	7976	6.74		Pass
275	10.0 - 30.0% of mass 198	19433	16.4		Pass
365	1.0 - 100.0% of mass 198	1957	1.65		Pass
441	Present, but less than mass 443	2420	2.05	(22.6) [b]	Pass
442	40.0 - 100.0% of mass 198	56261	47.5		Pass
443	17.0 - 23.0% of mass 442	10726	9.06	(19.1) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SX2054-CC2052	X046643.D	05/31/16	15:02	00:56	Continuing cal 50
OP60598-BS	X046644.D	05/31/16	15:26	01:20	Blank Spike
OP60631-MB	X046646.D	05/31/16	16:15	02:09	Method Blank
ZZZZZZ	X046647.D	05/31/16	16:39	02:33	(unrelated sample)
OP60632-BS	X046648.D	05/31/16	17:03	02:57	Blank Spike
OP60632-MB	X046649.D	05/31/16	17:27	03:21	Method Blank
ZZZZZZ	X046650.D	05/31/16	17:51	03:45	(unrelated sample)
ZZZZZZ	X046651.D	05/31/16	18:14	04:08	(unrelated sample)
ZZZZZZ	X046652.D	05/31/16	18:38	04:32	(unrelated sample)
FA34121-4	X046653.D	05/31/16	19:02	04:56	(used for QC only; not part of job FA34260)
OP60632-MS	X046654.D	05/31/16	19:26	05:20	Matrix Spike
OP60632-MSD	X046655.D	05/31/16	19:49	05:43	Matrix Spike Duplicate
ZZZZZZ	X046656.D	05/31/16	20:13	06:07	(unrelated sample)
ZZZZZZ	X046657.D	05/31/16	20:37	06:31	(unrelated sample)
ZZZZZZ	X046658.D	05/31/16	21:01	06:55	(unrelated sample)
ZZZZZZ	X046659.D	05/31/16	21:24	07:18	(unrelated sample)
ZZZZZZ	X046660.D	05/31/16	21:48	07:42	(unrelated sample)
ZZZZZZ	X046661.D	05/31/16	22:12	08:06	(unrelated sample)
ZZZZZZ	X046662.D	05/31/16	22:35	08:29	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample:	SX2054-DFTPP	**Injection Date:**	05/31/16
Lab File ID:	X046641.D	**Injection Time:**	14:06
Instrument ID:	GCMSX		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	X046663.D	05/31/16	22:59	08:53	(unrelated sample)
ZZZZZZ	X046665.D	05/31/16	23:46	09:40	(unrelated sample)
ZZZZZZ	X046666.D	06/01/16	00:10	10:04	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: SX2054-DFTPP
Lab File ID: X046667.D
Instrument ID: GCMSX
Injection Date: 06/01/16
Injection Time: 00:32

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	79309	54.8		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	55683	38.5		Pass
70	Less than 2.0% of mass 69	230	0.16	(0.41) [a]	Pass
127	40.0 - 60.0% of mass 198	83725	57.9		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	144619	100.0		Pass
199	5.0 - 9.0% of mass 198	9193	6.36		Pass
275	10.0 - 30.0% of mass 198	23124	16.0		Pass
365	1.0 - 100.0% of mass 198	1813	1.25		Pass
441	Present, but less than mass 443	4239	2.93	(34.8) [b]	Pass
442	40.0 - 100.0% of mass 198	64512	44.6		Pass
443	17.0 - 23.0% of mass 442	12178	8.42	(18.9) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
SX2054-CC2052	X046668.D	06/01/16	00:48	00:16	Continuing cal 50
ZZZZZZ	X046669.D	06/01/16	01:12	00:40	(unrelated sample)
ZZZZZZ	X046670.D	06/01/16	01:36	01:04	(unrelated sample)
ZZZZZZ	X046671.D	06/01/16	01:59	01:27	(unrelated sample)
ZZZZZZ	X046672.D	06/01/16	02:23	01:51	(unrelated sample)
ZZZZZZ	X046674.D	06/01/16	03:10	02:38	(unrelated sample)
ZZZZZZ	X046675.D	06/01/16	03:34	03:02	(unrelated sample)
ZZZZZZ	X046676.D	06/01/16	03:57	03:25	(unrelated sample)
ZZZZZZ	X046677.D	06/01/16	04:21	03:49	(unrelated sample)
ZZZZZZ	X046678.D	06/01/16	04:44	04:12	(unrelated sample)
ZZZZZZ	X046680.D	06/01/16	05:32	05:00	(unrelated sample)
ZZZZZZ	X046681.D	06/01/16	05:55	05:23	(unrelated sample)
ZZZZZZ	X046682.D	06/01/16	06:19	05:47	(unrelated sample)
ZZZZZZ	X046683.D	06/01/16	06:42	06:10	(unrelated sample)
FA34254-1	X046684.D	06/01/16	07:06	06:34	(used for QC only; not part of job FA34260)
OP60631-MS	X046685.D	06/01/16	07:30	06:58	Matrix Spike
OP60631-MSD	X046686.D	06/01/16	07:53	07:21	Matrix Spike Duplicate
ZZZZZZ	X046687.D	06/01/16	08:17	07:45	(unrelated sample)
FA34260-1	X046688.D	06/01/16	08:41	08:09	WELL-31100 BELHAVEN

Instrument Performance Check (DFTPP)

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Sample: SX2054-DFTPP
Lab File ID: X046667.D
Instrument ID: GCMSX
Injection Date: 06/01/16
Injection Time: 00:32

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP60631-BS	X046689.D	06/01/16	09:05	08:33	Blank Spike
FA34260-2	X046690.D	06/01/16	09:28	08:56	DUP-1
ZZZZZZ	X046691.D	06/01/16	09:52	09:20	(unrelated sample)
ZZZZZZ	X046692.D	06/01/16	10:16	09:44	(unrelated sample)
ZZZZZZ	X046693.D	06/01/16	10:40	10:08	(unrelated sample)
ZZZZZZ	X046694.D	06/01/16	11:04	10:32	(unrelated sample)
ZZZZZZ	X046695.D	06/01/16	11:28	10:56	(unrelated sample)
ZZZZZZ	X046696.D	06/01/16	11:52	11:20	(unrelated sample)
SX2054-ECC2052	X046697.D	06/01/16	12:15	11:43	Ending cal 50

Semivolatile Internal Standard Area Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Check Std:	SX2054-CC2052	**Injection Date:**	05/31/16
Lab File ID:	X046643.D	**Injection Time:**	15:02
Instrument ID:	GCMSX	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	249505	5.22	911117	6.64	432962	8.67	628238	10.37	503593	13.49	413470	15.40
Check Std [b]	265663	5.17	963017	6.59	471849	8.62	695054	10.32	565292	13.44	439749	15.34
Upper Limit [c]	531326	5.67	1926034	7.09	943698	9.12	1390108	10.82	1130584	13.94	879498	15.84
Lower Limit [d]	132832	4.67	481509	6.09	235925	8.12	347527	9.82	282646	12.94	219875	14.84

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP60598-BS	392877	5.17	1370542	6.59	641252	8.62	896110	10.33	683740	13.45	539365	15.35
OP60631-MB	275940	5.17	1012992	6.59	497197	8.62	724490	10.32	586541	13.44	445103	15.34
ZZZZZZ	274136	5.17	1001443	6.59	490858	8.62	697880	10.31	576634	13.44	438680	15.34
OP60632-BS	247795	5.17	898043	6.59	418457	8.62	597256	10.32	459573	13.44	358915	15.34
OP60632-MB	277597	5.17	1045098	6.59	503614	8.62	704254	10.31	554272	13.43	415410	15.34
ZZZZZZ	262800	5.17	1013027	6.59	488799	8.62	710746	10.31	560682	13.43	426445	15.34
ZZZZZZ	261388	5.17	955189	6.59	469593	8.62	672790	10.31	504601	13.43	369827	15.34
ZZZZZZ	268588	5.17	981857	6.59	437574	8.62	615723	10.31	520908	13.43	407632	15.34
FA34121-4	253326	5.17	945387	6.59	438630	8.62	638223	10.31	499445	13.43	373734	15.34
OP60632-MS	303009	5.17	1062905	6.59	505038	8.62	716363	10.31	561020	13.44	436959	15.34
OP60632-MSD	332289	5.17	1181756	6.59	552917	8.62	787951	10.32	609143	13.44	477419	15.34
ZZZZZZ	254444	5.17	924070	6.59	437516	8.62	620588	10.31	473102	13.43	359767	15.33
ZZZZZZ	243706	5.17	878704	6.59	416287	8.62	597952	10.31	457612	13.43	336012	15.33
ZZZZZZ	249439	5.17	911273	6.59	434719	8.62	621534	10.31	469941	13.43	354789	15.33
ZZZZZZ	237349	5.17	883566	6.59	412373	8.62	591013	10.31	459163	13.43	338485	15.33
ZZZZZZ	249147	5.17	903452	6.59	429521	8.62	609978	10.31	478832	13.43	345229	15.33
ZZZZZZ	249251	5.17	910082	6.59	426554	8.62	612523	10.31	469639	13.43	342144	15.33
ZZZZZZ	260977	5.17	955990	6.59	461504	8.62	666187	10.31	507250	13.43	380265	15.33
ZZZZZZ	226523	5.17	843120	6.59	399253	8.62	576391	10.31	444417	13.43	330053	15.33
ZZZZZZ	275254	5.17	967263	6.59	498069	8.62	712240	10.31	563019	13.43	424034	15.33
ZZZZZZ	272631	5.17	1020853	6.59	503126	8.62	732878	10.31	569263	13.43	417925	15.33

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: SX2052-ICC2052 X046544.D 05/26/16 12:24
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Check Std:	SX2054-CC2052	**Injection Date:**	06/01/16
Lab File ID:	X046668.D	**Injection Time:**	00:48
Instrument ID:	GCMSX	**Method:**	SW846 8270D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	249505	5.22	911117	6.64	432962	8.67	628238	10.37	503593	13.49	413470	15.40
Check Std [b]	228889	5.17	839499	6.59	413323	8.62	616595	10.31	479049	13.43	363276	15.34
Upper Limit [c]	457778	5.67	1678998	7.09	826646	9.12	1233190	10.81	958098	13.93	726552	15.84
Lower Limit [d]	114445	4.67	419750	6.09	206662	8.12	308298	9.81	239525	12.93	181638	14.84

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	245347	5.17	882340	6.59	419845	8.62	594432	10.31	477309	13.43	356794	15.33
ZZZZZZ	240667	5.17	871364	6.59	417990	8.62	593361	10.31	451548	13.43	337506	15.33
ZZZZZZ	246278	5.17	894437	6.59	438073	8.62	626160	10.31	488360	13.43	357980	15.33
ZZZZZZ	233150	5.17	854843	6.59	411302	8.62	583619	10.31	436931	13.43	332607	15.33
ZZZZZZ	196378	5.17	731971	6.59	350679	8.62	512444	10.31	399812	13.43	284564	15.33
ZZZZZZ	219864	5.17	817771	6.59	382481	8.62	542557	10.31	438088	13.43	323085	15.33
ZZZZZZ	235420	5.17	863508	6.59	412260	8.62	589235	10.31	453042	13.43	332954	15.33
ZZZZZZ	223466	5.17	834820	6.59	401998	8.62	569723	10.31	454487	13.43	327470	15.33
ZZZZZZ	171290	5.19	578022	6.60	372491	8.62	544829	10.31	450248	13.43	346524	15.33
ZZZZZZ	276178	5.17	1016323	6.59	504364	8.62	737317	10.31	573457	13.43	429909	15.33
ZZZZZZ	249411	5.17	929873	6.59	456838	8.62	653394	10.31	512028	13.43	372309	15.33
ZZZZZZ	278762	5.17	1047106	6.59	515746	8.62	739775	10.31	572768	13.43	421860	15.33
ZZZZZZ	284210	5.17	1048430	6.59	519102	8.62	753879	10.31	581064	13.43	423495	15.33
FA34254-1	288953	5.17	1061664	6.59	515129	8.62	747773	10.31	584456	13.43	424135	15.33
OP60631-MS	285045	5.17	1035830	6.59	490880	8.62	700604	10.31	554323	13.43	407946	15.34
OP60631-MSD	261893	5.17	954789	6.59	458597	8.62	658807	10.31	511723	13.43	381575	15.34
ZZZZZZ	257595	5.17	952785	6.59	452128	8.62	649911	10.31	520208	13.43	382649	15.34
FA34260-1	283665	5.17	1069314	6.59	524993	8.62	755344	10.31	592855	13.43	431053	15.33
OP60631-BS	244037	5.17	903351	6.59	438878	8.62	634921	10.31	499919	13.43	376272	15.33
FA34260-2	274786	5.17	1025556	6.59	498509	8.62	724378	10.31	553274	13.43	406009	15.33
ZZZZZZ	288700	5.17	1070548	6.59	521893	8.62	755174	10.31	581835	13.43	429576	15.33
ZZZZZZ	267453	5.17	1022428	6.59	502913	8.62	730866	10.31	559919	13.43	405679	15.33
ZZZZZZ	244838	5.17	877167	6.59	417637	8.62	582906	10.31	402323	13.43	260061	15.33
ZZZZZZ	242107	5.17	877320	6.59	422212	8.62	598464	10.31	453651	13.43	335953	15.33
ZZZZZZ	224648	5.17	781991	6.59	349608	8.62	462748	10.32	432197	13.43	334549	15.33
ZZZZZZ	225497	5.17	854512	6.59	417041	8.62	610274	10.31	471124	13.43	334767	15.33
SX2054-ECC2052	246226	5.17	917562	6.59	443525	8.62	670023	10.31	522722	13.43	392108	15.34

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12

Semivolatile Internal Standard Area Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Check Std:	SX2054-CC2052	**Injection Date:**	06/01/16
Lab File ID:	X046668.D	**Injection Time:**	00:48
Instrument ID:	GCMSX	**Method:**	SW846 8270D

Lab	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

IS 6 = Perylene-d12

(a) Initial Cal is: SX2052-ICC2052 X046544.D 05/26/16 12:24
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Method: SW846 8270D **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
FA34260-1	X046688.D	36	23	73	70	74	81
FA34260-2	X046690.D	37	24	71	75	76	80
OP60631-BS	X046689.D	44	31	74	70	73	75
OP60631-MB	X046646.D	49	34	76	82	81	86
OP60631-MS	X046685.D	50	39	76	66	67	77
OP60631-MSD	X046686.D	56	46	88	77	81	88

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	14-67%
S2 = Phenol-d5	10-50%
S3 = 2,4,6-Tribromophenol	33-118%
S4 = Nitrobenzene-d5	42-108%
S5 = 2-Fluorobiphenyl	40-106%
S6 = Terphenyl-d14	39-121%

Initial Calibration Summary

Job Number: FA34260
Account: URSNCM AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC
Sample: SX2052-ICC2052
Lab FileID: X046544.D

Response Factor Report MSBNA05

Method : C:\msdchem\1\METHODS\8270d00526.m (RTE Integrator)
Title : SW846 8270D OR EPA 625
Last Update : Thu May 26 14:57:57 2016
Response via : Initial Calibration

Calibration Files
5 =x046541.D 10 =x046542.D 25 =x046543.D 50 =x046544.D
60 =x046545.D 75 =x046546.D 100 =x046547.D

Compound	5	10	25	50	60	75	100	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	----------ISTD----------								
2) 1,4-Dioxane	0.626	0.608	0.559	0.627	0.596	0.642	0.585	0.606	4.72
3) N-nitrosodimethyl	0.759	0.848	0.743	0.796	0.827	0.811	0.806	0.799	4.60
4) Pyridine	1.505	1.489	1.523	1.436	1.564	1.523	1.531	1.510	2.66
5)P Benzaldehyde	1.159	1.191	1.132	0.970	0.928	0.855	0.763	1.000	16.45
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9994									
Response Ratio = 0.00000 + 1.19147 *A + -0.17343 *A^2									
6) Aniline	2.005	2.112	2.023	2.034	2.075	2.044	2.062	2.051	1.74
7)S 2-Fluorophenol	1.380	1.452	1.401	1.411	1.425	1.407	1.381	1.408	1.79
8)P bis(2-Chloroethyl	1.306	1.325	1.320	1.300	1.336	1.293	1.269	1.307	1.70
9)S Phenol-d5	1.537	1.630	1.532	1.501	1.520	1.486	1.450	1.522	3.70
10)P Phenol	1.590	1.694	1.580	1.584	1.587	1.558	1.508	1.586	3.51
11)P 2-Chlorophenol	1.564	1.555	1.524	1.483	1.531	1.510	1.482	1.522	2.12
12) 1,3-Dichlorobenze	1.642	1.714	1.614	1.596	1.657	1.613	1.571	1.629	2.87
13) 1,4-Dichlorobenze	1.635	1.675	1.595	1.620	1.626	1.590	1.533	1.611	2.74
14) 1,2-Dichlorobenze	1.570	1.629	1.540	1.504	1.532	1.479	1.437	1.527	4.10
15) Benzyl alcohol	0.922	0.919	0.926	0.939	0.952	0.933	0.929	0.932	1.20
16)P bis(2-chloroisopr	2.677	2.737	2.467	2.389	2.447	2.369	2.241	2.475	7.08
17)P 2-Methylphenol	1.264	1.308	1.228	1.215	1.218	1.186	1.150	1.224	4.18
18)P Acetophenone	1.792	1.813	1.719	1.704	1.714	1.691	1.660	1.728	3.19
19)P Hexachloroethane	0.624	0.636	0.606	0.587	0.595	0.571	0.546	0.595	5.16
20)P N-Nitroso-di-n-pr	0.730	0.752	0.731	0.725	0.728	0.711	0.685	0.723	2.86
21)P 3&4-Methylphenol	1.244	1.338	1.278	1.265	1.271	1.223	1.174	1.256	4.05
22) I Naphthalene-d8	----------ISTD----------								
23)S Nitrobenzene-d5	0.324	0.329	0.321	0.319	0.332	0.324	0.322	0.324	1.40
24)P Nitrobenzene	0.326	0.324	0.313	0.305	0.317	0.320	0.308	0.316	2.51
25)P Isophorone	0.622	0.616	0.589	0.580	0.601	0.599	0.585	0.599	2.63
26)P 2-Nitrophenol	0.197	0.206	0.216	0.210	0.218	0.218	0.219	0.212	3.82
27)P 2,4-Dimethylpheno	0.320	0.316	0.316	0.313	0.318	0.315	0.307	0.315	1.33
28) O,O,O-Triethylpho	0.138	0.142	0.133	0.135	0.134	0.135	0.135	0.136	2.18
29)P bis(2-Chloroethox	0.418	0.436	0.416	0.401	0.406	0.424	0.399	0.414	3.23
30) Benzoic Acid	0.207	0.222	0.242	0.254	0.268	0.275	0.271	0.248	10.53
31)P 2,4-Dichloropheno	0.284	0.297	0.286	0.291	0.295	0.296	0.290	0.291	1.73
32) 1,2,4-Trichlorobe	0.307	0.309	0.305	0.290	0.299	0.294	0.292	0.299	2.60
33) alpha-Terpineol								0.000	-1.00
34)P Naphthalene	1.071	1.096	1.040	1.014	1.025	1.004	0.947	1.028	4.68
35)P 4-Chloroaniline	0.461	0.475	0.455	0.439	0.452	0.433	0.414	0.447	4.48
36) 2,6-Dichloropheno	0.284	0.295	0.292	0.275	0.284	0.277	0.269	0.282	3.32
37)P Hexachlorobutadie	0.138	0.144	0.135	0.135	0.137	0.138	0.138	0.138	2.19
38)P Caprolactam	0.102	0.107	0.101	0.108	0.111	0.111	0.112	0.107	3.96
39)P 4-Chloro-3-methyl	0.264	0.261	0.263	0.265	0.274	0.270	0.268	0.266	1.72
40)P 2-Methylnaphthale	0.711	0.712	0.702	0.683	0.692	0.684	0.659	0.692	2.71
41) 1-Methylnaphthale	0.639	0.658	0.642	0.624	0.646	0.635	0.608	0.636	2.53
42)P 1,2,4,5-Tetrachlo	0.253	0.260	0.259	0.246	0.249	0.253	0.251	0.253	2.01

Initial Calibration Summary

Job Number: FA34260 **Sample:** SX2052-ICC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046544.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

```
43) I   Acenaphthene-d10      ----------------ISTD---------------------
44)P Hexachlorocyclope 0.224 0.264 0.287 0.300 0.327 0.327 0.330 0.294  13.41
45)P 2,4,6-Trichloroph 0.353 0.383 0.373 0.374 0.405 0.382 0.384 0.379   4.13
46)P 2,4,5-Trichloroph 0.366 0.389 0.386 0.390 0.405 0.399 0.403 0.391   3.36
47)S 2-Fluorobiphenyl  1.399 1.419 1.358 1.321 1.356 1.341 1.291 1.355   3.23
48)P 1,1'-Biphenyl     1.675 1.675 1.558 1.487 1.522 1.459 1.365 1.534   7.38
49)P 2-Chloronaphthale 1.225 1.249 1.182 1.157 1.195 1.154 1.096 1.180   4.28
50)P 2-Nitroaniline    0.332 0.327 0.328 0.335 0.360 0.351 0.341 0.339   3.59
51)  p-Dinitrobenzene  0.177 0.188 0.194 0.208 0.214 0.215 0.215 0.202   7.56
52)P Acenaphthylene    2.037 2.092 2.026 1.966 2.059 1.975 1.896 2.007   3.30
53)P Dimethylphthalate 1.300 1.352 1.292 1.298 1.333 1.283 1.252 1.302   2.52
54)  m-Dinitrobenzene  0.191 0.221 0.218 0.223 0.237 0.232 0.232 0.222   6.83
55)P 2,6-Dinitrotoluen 0.311 0.303 0.303 0.307 0.325 0.312 0.318 0.311   2.59
56)  o-Dinitrobenzene  0.229 0.223 0.213 0.217 0.227 0.222 0.216 0.221   2.71
57)P Acenaphthene      1.235 1.277 1.241 1.193 1.239 1.181 1.157 1.217   3.44
58)P 3-Nitroaniline    0.370 0.398 0.393 0.399 0.417 0.410 0.413 0.400   3.95
59)P 2,4-Dinitrophenol 0.032 0.068 0.113 0.150 0.164 0.177 0.191 0.128  46.52
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9981
              Response Ratio = 0.00000 + 0.10692 *A + 0.03460 *A^2

60)P Dibenzofuran      1.679 1.677 1.636 1.614 1.675 1.615 1.580 1.640   2.36
61)P 2,4-Dinitrotoluen 0.381 0.389 0.390 0.409 0.419 0.423 0.414 0.403   4.05
62)P 4-Nitrophenol     0.120 0.136 0.140 0.149 0.155 0.151 0.151 0.143   8.49
63)  2,3,5,6-Tetrachlo 0.273 0.263 0.270 0.280 0.288 0.291 0.292 0.280   3.98
64)P 2,3,4,6-Tetrachlo 0.278 0.266 0.267 0.269 0.281 0.278 0.284 0.275   2.66
65)P Fluorene          1.328 1.365 1.307 1.243 1.284 1.244 1.190 1.280   4.63
66)P 4-Chlorophenyl-ph 0.559 0.570 0.524 0.516 0.551 0.535 0.520 0.539   3.89
67)P Diethylphthalate  1.334 1.354 1.287 1.225 1.275 1.232 1.180 1.270   4.88
68)  Thionazin         0.294 0.282 0.265 0.263 0.273 0.266 0.251 0.271   5.16
69)P 4-Nitroaniline    0.381 0.396 0.378 0.370 0.396 0.389 0.379 0.384   2.56

70) I   Phenanthrene-d10      ----------------ISTD---------------------
71)P 4,6-Dinitro-2-met 0.075 0.092 0.121 0.136 0.142 0.149 0.148 0.123  23.71
            ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9980
              Response Ratio = 0.00000 + 0.12445 *A + 0.01024 *A^2

72)P n-Nitrosodiphenyl 0.639 0.661 0.608 0.593 0.599 0.587 0.549 0.605   6.00
73)  Diphenylamine     0.766 0.793 0.729 0.711 0.718 0.705 0.659 0.726   6.00
74)  1,2-Diphenylhydra 0.897 0.920 0.848 0.820 0.832 0.820 0.756 0.842   6.43
75)S 2,4,6-Tribromophe 0.079 0.082 0.089 0.090 0.089 0.092 0.092 0.088   5.73
76)  Sulfotep          0.139 0.139 0.132 0.126 0.130 0.127 0.118 0.130   5.73
77)  Phorate           0.495 0.533 0.483 0.474 0.473 0.457 0.414 0.476   7.67
78)P 4-Bromophenyl-phe 0.190 0.196 0.185 0.178 0.186 0.184 0.172 0.184   4.22
79)P Hexachlorobenzene 0.176 0.183 0.179 0.180 0.186 0.192 0.188 0.184   3.20
80)  Dimethoate        0.354 0.381 0.350 0.362 0.364 0.357 0.341 0.358   3.51
81)  Simazine          0.082 0.076 0.079 0.076 0.076 0.075 0.073 0.077   3.73
82)P Atrazine          0.206 0.205 0.199 0.196 0.198 0.195 0.185 0.198   3.50
83)P Pentachlorophenol 0.092 0.099 0.112 0.123 0.127 0.130 0.132 0.116  13.64
84)P Phenanthrene      1.198 1.276 1.201 1.135 1.140 1.135 1.046 1.162   6.20
85)P Anthracene        1.218 1.262 1.227 1.163 1.169 1.135 1.056 1.176   5.82
86)  Disulfoton        0.429 0.469 0.427 0.418 0.425 0.415 0.381 0.423   6.13
87)P Carbazole         1.227 1.299 1.212 1.180 1.180 1.162 1.068 1.190   5.91
88)  Methyl Parathion  0.270 0.296 0.310 0.318 0.322 0.324 0.310 0.307   6.18
89)P Di-n-butylphthala 1.460 1.526 1.491 1.482 1.496 1.483 1.383 1.474   3.03
90)  Ethyl Parathion   0.159 0.171 0.169 0.182 0.185 0.183 0.173 0.175   5.36
91)P Fluoranthene      1.151 1.186 1.155 1.140 1.144 1.133 1.056 1.138   3.49

92) I   Chrysene-d12          ----------------ISTD---------------------
93)  Benzidine         0.882 0.901 0.878 0.758 0.730 0.685 0.606 0.777  14.58
```

Initial Calibration Summary

Job Number: FA34260 **Sample:** SX2052-ICC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046544.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

94)	P	Pyrene	1.414	1.529	1.488	1.435	1.481	1.437	1.394	1.454	3.24
95)	S	Terphenyl-d14	0.814	0.819	0.824	0.806	0.834	0.822	0.814	0.819	1.07
96)		Famphur	0.407	0.459	0.464	0.461	0.486	0.482	0.469	0.461	5.62
97)	P	Butylbenzylphthal	0.768	0.813	0.802	0.805	0.864	0.836	0.833	0.817	3.73
98)	P	3,3'-Dichlorobenz	0.372	0.416	0.418	0.409	0.425	0.419	0.398	0.408	4.47
99)	P	Benzo[a]anthracen	1.143	1.177	1.168	1.145	1.193	1.181	1.167	1.168	1.57
100)	P	Chrysene	1.136	1.159	1.108	1.072	1.120	1.088	1.082	1.109	2.83
101)	P	bis(2-Ethylhexyl)	0.940	1.003	1.008	1.028	1.075	1.060	1.038	1.022	4.37
102)	I	Perylene-d12	----------ISTD----------								
103)	P	Di-n-octylphthala	1.902	2.045	2.111	2.126	2.342	2.318	2.322	2.167	7.71
104)	P	Benzo[b]fluoranth	1.199	1.146	1.191	1.196	1.278	1.281	1.305	1.228	4.83
105)	P	Benzo[k]fluoranth	1.173	1.298	1.244	1.154	1.234	1.195	1.136	1.205	4.72
106)	P	Benzo[a]pyrene	1.095	1.181	1.173	1.155	1.210	1.202	1.176	1.170	3.25
107)	P	Indeno[1,2,3-cd]p	0.809	0.889	0.874	0.925	0.966	0.963	0.986	0.916	6.88
108)	P	Dibenz[a,h]anthra	0.813	0.954	0.922	0.944	1.003	0.992	0.994	0.946	6.96
109)	P	Benzo[g,h,i]peryl	1.028	1.033	1.054	1.022	1.075	1.042	1.041	1.042	1.71

(#) = Out of Range

8270d00526.m Fri May 27 15:01:49 2016

7.7.1

7

Initial Calibration Verification

Job Number: FA34260 **Sample:** SX2052-ICV2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046548.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\sx2052\x046548.D          Vial: 10
Acq On    : 26 May 2016   1:59 pm                   Operator: marthav
Sample    : icv2052-50                              Inst    : MSBNA05
Misc      : op60454,sx2052,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\1\METHODS\8270d00526.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Thu May 26 14:57:57 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	102	0.00	5.22
2		1,4-Dioxane	50.000	44.022	12.0	87	-0.01	2.08
3		N-nitrosodimethylamine	50.000	47.050	5.9	97	-0.01	2.45
4		Pyridine		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
5	P	Benzaldehyde	50.000	52.117	-4.2	106	0.00	4.75
		----------	Amount	Calc.	%Drift		----------	
6		Aniline		----------NA----------				
7	S	2-Fluorophenol		----------NA----------				
8	P	bis(2-Chloroethyl)ether	50.000	47.190	5.6	97	0.00	5.00
9	S	Phenol-d5		----------NA----------				
10	P	Phenol	50.000	47.567	4.9	98	0.00	4.96
11	P	2-Chlorophenol	50.000	47.976	4.0	101	0.00	5.04
12		1,3-Dichlorobenzene	50.000	47.713	4.6	100	0.00	5.18
13		1,4-Dichlorobenzene	50.000	47.844	4.3	97	0.00	5.24
14		1,2-Dichlorobenzene	50.000	48.688	2.6	101	0.00	5.44
15		Benzyl alcohol		----------NA----------				
16	P	bis(2-chloroisopropyl)eth	50.000	49.054	1.9	104	0.00	5.60
17	P	2-Methylphenol	50.000	45.504	9.0	94	0.00	5.60
18	P	Acetophenone	50.000	45.766	8.5	95	0.00	5.70
19	P	Hexachloroethane	50.000	46.371	7.3	96	0.00	5.78
20	P	N-Nitroso-di-n-propylamin	50.000	45.514	9.0	93	0.00	5.75
21	P	3&4-Methylphenol	100.000	89.334	10.7	101	0.00	5.76
22	I	Naphthalene-d8	40.000	40.000	0.0	99	0.00	6.64
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene	50.000	46.665	6.7	96	0.00	5.88
25	P	Isophorone	50.000	45.584	8.8	94	0.00	6.15
26	P	2-Nitrophenol	50.000	48.878	2.2	98	0.00	6.25
27	P	2,4-Dimethylphenol	50.000	42.786	14.4	86	0.00	6.34
28		O,O,O-Triethylphosphoroth		----------NA----------				
29	P	bis(2-Chloroethoxy)methan	50.000	44.813	10.4	92	0.00	6.44
30		Benzoic Acid	100.000	102.159	-2.2	99	0.04	6.53
31	P	2,4-Dichlorophenol	50.000	47.734	4.5	95	0.00	6.52
32		1,2,4-Trichlorobenzene	50.000	47.393	5.2	97	0.00	6.60
33		alpha-Terpineol		----------NA----------				
34	P	Naphthalene	50.000	47.357	5.3	95	0.00	6.66
35	P	4-Chloroaniline		----------NA----------				
36		2,6-Dichlorophenol	50.000	47.771	4.5	97	0.00	6.78
37	P	Hexachlorobutadiene	50.000	48.535	2.9	99	0.00	6.89

Initial Calibration Verification

Job Number: FA34260 **Sample:** SX2052-ICV2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046548.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

38	P	Caprolactam	50.000	46.419	7.2	92	0.00	7.14
39	P	4-Chloro-3-methylphenol	50.000	45.286	9.4	91	0.00	7.37
40	P	2-Methylnaphthalene		----------NA----------				
41		1-Methylnaphthalene	50.000	49.294	1.4	100	0.00	7.58
42	P	1,2,4,5-Tetrachlorobenzen	50.000	46.172	7.7	94	0.00	7.70
43	I	Acenaphthene-d10	40.000	40.000	0.0	100	0.00	8.67
44	P	Hexachlorocyclopentadiene	50.000	50.635	-1.3	100	0.00	7.73
45	P	2,4,6-Trichlorophenol	50.000	46.596	6.8	95	0.00	7.83
46	P	2,4,5-Trichlorophenol	50.000	48.356	3.3	97	0.00	7.88
47	S	2-Fluorobiphenyl		----------NA----------				
48	P	1,1'-Biphenyl	50.000	45.656	8.7	94	0.00	8.02
49	P	2-Chloronaphthalene	50.000	47.661	4.7	97	0.00	8.01
50	P	2-Nitroaniline		----------NA----------				
51		p-Dinitrobenzene		----------NA----------				
52	P	Acenaphthylene	50.000	47.575	4.8	97	0.00	8.49
53	P	Dimethylphthalate	50.000	47.467	5.1	95	0.00	8.46
54		m-Dinitrobenzene		----------NA----------				
55	P	2,6-Dinitrotoluene	50.000	44.728	10.5	91	0.00	8.52
56		o-Dinitrobenzene		----------NA----------				
57	P	Acenaphthene	50.000	47.720	4.6	98	0.00	8.71
58	P	3-Nitroaniline		----------NA----------				
		----------	Amount	Calc.	%Drift		----------	
59	P	2,4-Dinitrophenol	100.000	82.455	17.5	84	0.00	8.79
		----------	Amount	Calc.	%Drift		----------	
60	P	Dibenzofuran		----------NA----------				
61	P	2,4-Dinitrotoluene	50.000	46.677	6.6	92	0.01	8.97
62	P	4-Nitrophenol	100.000	97.745	2.3	100	0.00	8.93
63		2,3,5,6-Tetrachlorophenol		----------NA----------				
64	P	2,3,4,6-Tetrachlorophenol	50.000	43.091	13.8	88	0.00	9.11
65	P	Fluorene	50.000	45.993	8.0	95	0.01	9.29
66	P	4-Chlorophenyl-phenylethe	50.000	46.305	7.4	97	0.01	9.32
67	P	Diethylphthalate	50.000	46.023	8.0	96	0.02	9.29
68		Thionazin		----------NA----------				
69	P	4-Nitroaniline		----------NA----------				
70	I	Phenanthrene-d10	40.000	40.000	0.0	98	0.00	10.37
		----------	Amount	Calc.	%Drift		----------	
71	P	4,6-Dinitro-2-methylpheno	100.000	98.177	1.8	101	-0.02	9.43
		----------	Amount	Calc.	%Drift		----------	
72	P	n-Nitrosodiphenylamine	50.000	45.829	8.3	76	0.00	9.48
73		Diphenylamine		----------NA----------				
74		1,2-Diphenylhydrazine	50.000	46.757	6.5	94	-0.01	9.50
75	S	2,4,6-Tribromophenol		----------NA----------				
76		Sulfotep		----------NA----------				
77		Phorate		----------NA----------				
78	P	4-Bromophenyl-phenylether	50.000	48.620	2.8	99	0.00	9.88
79	P	Hexachlorobenzene	50.000	46.546	6.9	93	0.00	10.03
80		Dimethoate		----------NA----------				
81		Simazine		----------NA----------				
82	P	Atrazine	50.000	47.050	5.9	93	0.00	10.17
83	P	Pentachlorophenol	100.000	101.188	-1.2	90	0.00	10.25
84	P	Phenanthrene	50.000	46.677	6.6	94	0.00	10.39
85	P	Anthracene	50.000	47.690	4.6	94	0.00	10.44

Initial Calibration Verification

Job Number: FA34260 **Sample:** SX2052-ICV2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046548.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

86		Disulfoton		----------NA----------				
87	P	Carbazole		----------NA----------				
88		Methyl Parathion		----------NA----------				
89	P	Di-n-butylphthalate	50.000	49.149	1.7	96	0.02	11.21
90		Ethyl Parathion		----------NA----------				
91	P	Fluoranthene	50.000	46.318	7.4	91	0.01	11.78
92	I	Chrysene-d12	40.000	40.000	0.0	99	0.00	13.49
93		Benzidine		----------NA----------				
94	P	Pyrene	50.000	46.278	7.4	93	0.00	12.03
95	S	Terphenyl-d14		----------NA----------				
96		Famphur		----------NA----------				
97	P	Butylbenzylphthalate	50.000	45.698	8.6	92	0.00	12.95
98	P	3,3'-Dichlorobenzidine		----------NA----------				
99	P	Benzo[a]anthracene	50.000	45.256	9.5	91	0.00	13.47
100	P	Chrysene	50.000	46.256	7.5	95	0.00	13.53
101	P	bis(2-Ethylhexyl)phthalat	50.000	47.508	5.0	93	0.00	13.73
102	I	Perylene-d12	40.000	40.000	0.0	93	0.00	15.40
103	P	Di-n-octylphthalate	50.000	46.799	6.4	89	0.00	14.56
104	P	Benzo[b]fluoranthene	50.000	47.896	4.2	91	0.00	14.90
105	P	Benzo[k]fluoranthene	50.000	44.985	10.0	87	0.00	14.93
106	P	Benzo[a]pyrene	50.000	47.455	5.1	89	0.00	15.32
107	P	Indeno[1,2,3-cd]pyrene	50.000	48.281	3.4	89	0.00	16.73
108	P	Dibenz[a,h]anthracene	50.000	48.691	2.6	91	0.00	16.78
109	P	Benzo[g,h,i]perylene	50.000	47.311	5.4	90	0.00	17.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
x046544.D 8270d00526.m Fri May 27 16:06:42 2016

7.7.2

7

Initial Calibration Verification

Job Number: FA34260 **Sample:** SX2052-ICV2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046549.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\sx2052\x046549.D          Vial: 11
Acq On    : 26 May 2016   2:23 pm                   Operator: marthav
Sample    : icv2052-50                              Inst    : MSBNA05
Misc      : op60454,sx2052,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\1\METHODS\8270d00526.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Thu May 26 14:57:57 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	Amount	Calc.	%Drift	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	40.000	40.000	0.0	104	0.00	5.22
2		1,4-Dioxane		----------NA----------				
3		N-nitrosodimethylamine		----------NA----------				
4		Pyridine	50.000	43.274	13.5	94	-0.02	2.44
		----------	Amount	Calc.	%Drift	----------		
5	P	Benzaldehyde		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
6		Aniline	50.000	45.508	9.0	95	0.00	4.92
7	S	2-Fluorophenol		----------NA----------				
8	P	bis(2-Chloroethyl)ether		----------NA----------				
9	S	Phenol-d5		----------NA----------				
10	P	Phenol		----------NA----------				
11	P	2-Chlorophenol		----------NA----------				
12		1,3-Dichlorobenzene		----------NA----------				
13		1,4-Dichlorobenzene		----------NA----------				
14		1,2-Dichlorobenzene		----------NA----------				
15		Benzyl alcohol	50.000	46.528	6.9	96	0.00	5.42
16	P	bis(2-chloroisopropyl)eth		----------NA----------				
17	P	2-Methylphenol		----------NA----------				
18	P	Acetophenone		----------NA----------				
19	P	Hexachloroethane		----------NA----------				
20	P	N-Nitroso-di-n-propylamin		----------NA----------				
21	P	3&4-Methylphenol		----------NA----------				
22	I	Naphthalene-d8	40.000	40.000	0.0	105	0.00	6.64
23	S	Nitrobenzene-d5		----------NA----------				
24	P	Nitrobenzene		----------NA----------				
25	P	Isophorone		----------NA----------				
26	P	2-Nitrophenol		----------NA----------				
27	P	2,4-Dimethylphenol		----------NA----------				
28		O,O,O-Triethylphosphoroth	50.000	48.511	3.0	102	0.00	6.46
29	P	bis(2-Chloroethoxy)methan		----------NA----------				
30		Benzoic Acid		----------NA----------				
31	P	2,4-Dichlorophenol		----------NA----------				
32		1,2,4-Trichlorobenzene		----------NA----------				
33		alpha-Terpineol		----------NA----------				
34	P	Naphthalene		----------NA----------				
35	P	4-Chloroaniline	50.000	49.492	1.0	105	0.00	6.78
36		2,6-Dichlorophenol		----------NA----------				
37	P	Hexachlorobutadiene		----------NA----------				

Initial Calibration Verification

Job Number: FA34260 **Sample:** SX2052-ICV2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046549.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

38	P	Caprolactam		----------NA----------				
39	P	4-Chloro-3-methylphenol		----------NA----------				
40	P	2-Methylnaphthalene	50.000	46.168	7.7	98	0.00	7.45
41		1-Methylnaphthalene		----------NA----------				
42	P	1,2,4,5-Tetrachlorobenzen		----------NA----------				
43	I	Acenaphthene-d10	40.000	40.000	0.0	106	0.00	8.67
44	P	Hexachlorocyclopentadiene		----------NA----------				
45	P	2,4,6-Trichlorophenol		----------NA----------				
46	P	2,4,5-Trichlorophenol		----------NA----------				
47	S	2-Fluorobiphenyl		----------NA----------				
48	P	1,1'-Biphenyl		----------NA----------				
49	P	2-Chloronaphthalene		----------NA----------				
50	P	2-Nitroaniline	50.000	50.381	-0.8	108	0.00	8.19
51		p-Dinitrobenzene		----------NA----------				
52	P	Acenaphthylene		----------NA----------				
53	P	Dimethylphthalate		----------NA----------				
54		m-Dinitrobenzene	50.000	45.494	9.0	96	0.00	8.45
55	P	2,6-Dinitrotoluene		----------NA----------				
56		o-Dinitrobenzene		----------NA----------				
57	P	Acenaphthene		----------NA----------				
58	P	3-Nitroaniline	50.000	47.708	4.6	101	0.00	8.67
		----------	Amount	Calc.	%Drift	----------		
59	P	2,4-Dinitrophenol		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
60	P	Dibenzofuran	50.000	46.548	6.9	100	0.00	8.89
61	P	2,4-Dinitrotoluene		----------NA----------				
62	P	4-Nitrophenol		----------NA----------				
63		2,3,5,6-Tetrachlorophenol		----------NA----------				
64	P	2,3,4,6-Tetrachlorophenol		----------NA----------				
65	P	Fluorene		----------NA----------				
66	P	4-Chlorophenyl-phenylethe		----------NA----------				
67	P	Diethylphthalate		----------NA----------				
68		Thionazin	50.000	50.343	-0.7	110	0.02	9.38
69	P	4-Nitroaniline	50.000	49.346	1.3	109	0.00	9.39
70	I	Phenanthrene-d10	40.000	40.000	0.0	108	0.00	10.37
		----------	Amount	Calc.	%Drift	----------		
71	P	4,6-Dinitro-2-methylpheno		----------NA----------				
		----------	Amount	Calc.	%Drift	----------		
72	P	n-Nitrosodiphenylamine	60.000	57.482	4.2	106	0.00	9.48
73		Diphenylamine	50.000	47.902	4.2	106	0.00	9.48
74		1,2-Diphenylhydrazine		----------NA----------				
75	S	2,4,6-Tribromophenol		----------NA----------				
76		Sulfotep	50.000	49.874	0.3	112	0.00	9.82
77		Phorate	50.000	49.125	1.8	107	0.00	9.88
78	P	4-Bromophenyl-phenylether		----------NA----------				
79	P	Hexachlorobenzene		----------NA----------				
80		Dimethoate	50.000	48.302	3.4	104	0.00	10.07
81		Simazine		----------NA----------				
82	P	Atrazine		----------NA----------				
83	P	Pentachlorophenol		----------NA----------				
84	P	Phenanthrene		----------NA----------				
85	P	Anthracene		----------NA----------				
86		Disulfoton	50.000	49.234	1.5	108	0.00	10.49
87	P	Carbazole	50.000	47.370	5.3	104	0.00	10.66

Initial Calibration Verification

Job Number: FA34260 **Sample:** SX2052-ICV2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046549.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

88		Methyl Parathion	50.000	49.240	1.5	103	0.01	10.92
89	P	Di-n-butylphthalate		----------NA----------				
90		Ethyl Parathion	50.000	49.330	1.3	103	0.02	11.40
91	P	Fluoranthene		----------NA----------				
92	I	Chrysene-d12	40.000	40.000	0.0	112	0.00	13.49
93		Benzidine	50.000	57.183	-14.4	132	0.00	11.99
94	P	Pyrene		----------NA----------				
95	S	Terphenyl-d14		----------NA----------				
96		Famphur	50.000	43.395	13.2	98	0.00	12.88
97	P	Butylbenzylphthalate		----------NA----------				
98	P	3,3'-Dichlorobenzidine	50.000	46.012	8.0	103	0.00	13.51
99	P	Benzo[a]anthracene		----------NA----------				
100	P	Chrysene		----------NA----------				
101	P	bis(2-Ethylhexyl)phthalat		----------NA----------				
102	I	Perylene-d12	40.000	40.000	0.0	106	0.00	15.41
103	P	Di-n-octylphthalate		----------NA----------				
104	P	Benzo[b]fluoranthene		----------NA----------				
105	P	Benzo[k]fluoranthene		----------NA----------				
106	P	Benzo[a]pyrene		----------NA----------				
107	P	Indeno[1,2,3-cd]pyrene		----------NA----------				
108	P	Dibenz[a,h]anthracene		----------NA----------				
109	P	Benzo[g,h,i]perylene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
x046544.D 8270d00526.m Fri May 27 11:44:33 2016

7.7.3

7

Continuing Calibration Summary

Job Number: FA34260 **Sample:** SX2054-CC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046643.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\sx2054\x046643.D          Vial: 2
Acq On    : 31 May 2016   3:02 pm                   Operator: marthav
Sample    : cc2052-50                               Inst    : MSBNA05
Misc      : op60454,sx2054,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\1\METHODS\8270d00526.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Thu May 26 14:57:57 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	5.17
2		1,4-Dioxane	0.606	0.606	0.0	103	0.00	2.03
3		N-nitrosodimethylamine	0.799	0.794	0.6	106	-0.01	2.40
4		Pyridine	1.510	1.439	4.7	107	-0.01	2.39
		----------	Amount	Calc.	%Drift		----------	
5	P	Benzaldehyde	50.000	56.702	-13.4	118	0.00	4.71
		----------	AvgRF	CCRF	%Dev		----------	
6		Aniline	2.051	1.909	6.9	100	0.00	4.87
7	S	2-Fluorophenol	1.408	1.340	4.8	101	-0.01	3.90
8	P	bis(2-Chloroethyl)ether	1.307	1.241	5.0	102	0.00	4.96
9	S	Phenol-d5	1.522	1.406	7.6	100	0.00	4.92
10	P	Phenol	1.586	1.534	3.3	103	0.00	4.93
11	P	2-Chlorophenol	1.522	1.421	6.6	102	0.00	4.99
12		1,3-Dichlorobenzene	1.629	1.538	5.6	103	0.00	5.13
13		1,4-Dichlorobenzene	1.611	1.524	5.4	100	0.00	5.19
14		1,2-Dichlorobenzene	1.527	1.436	6.0	102	0.00	5.39
15		Benzyl alcohol	0.932	0.868	6.9	98	0.00	5.38
16	P	bis(2-chloroisopropyl)eth	2.475	2.456	0.8	109	0.00	5.55
17	P	2-Methylphenol	1.224	1.157	5.5	101	0.00	5.56
18	P	Acetophenone	1.728	1.662	3.8	104	0.00	5.66
19	P	Hexachloroethane	0.595	0.597	-0.3	108	0.00	5.73
20	P	N-Nitroso-di-n-propylamin	0.723	0.677	6.4	99	0.00	5.70
21	P	3&4-Methylphenol	1.256	1.177	6.3	99	0.00	5.73
22	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00	6.59
23	S	Nitrobenzene-d5	0.324	0.314	3.1	104	0.00	5.82
24	P	Nitrobenzene	0.316	0.304	3.8	105	0.00	5.84
25	P	Isophorone	0.599	0.572	4.5	104	0.00	6.10
26	P	2-Nitrophenol	0.212	0.206	2.8	104	0.00	6.20
27	P	2,4-Dimethylphenol	0.315	0.305	3.2	103	0.00	6.30
28		O,O,O-Triethylphosphoroth	0.136	0.131	3.7	103	0.00	6.42
29	P	bis(2-Chloroethoxy)methan	0.414	0.397	4.1	105	0.00	6.39
30		Benzoic Acid	0.248	0.236	4.8	98	0.00	6.45
31	P	2,4-Dichlorophenol	0.291	0.283	2.7	103	0.00	6.48
32		1,2,4-Trichlorobenzene	0.299	0.283	5.4	103	0.00	6.55
33		alpha-Terpineol		----------NA----------				
34	P	Naphthalene	1.028	0.972	5.4	101	0.00	6.61
35	P	4-Chloroaniline	0.447	0.427	4.5	103	0.00	6.73
36		2,6-Dichlorophenol	0.282	0.276	2.1	106	0.00	6.74
37	P	Hexachlorobutadiene	0.138	0.137	0.7	107	0.00	6.85

Continuing Calibration Summary

Job Number: FA34260 **Sample:** SX2054-CC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046643.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

38	P	Caprolactam	0.107	0.102	4.7	99	0.00	7.10
39	P	4-Chloro-3-methylphenol	0.266	0.267	-0.4	106	0.00	7.34
40	P	2-Methylnaphthalene	0.692	0.663	4.2	103	0.00	7.40
41		1-Methylnaphthalene	0.636	0.606	4.7	103	0.00	7.53
42	P	1,2,4,5-Tetrachlorobenzen	0.253	0.250	1.2	107	0.00	7.65
43	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00	8.62
44	P	Hexachlorocyclopentadiene	0.294	0.304	-3.4	111	0.00	7.68
45	P	2,4,6-Trichlorophenol	0.379	0.359	5.3	104	0.00	7.79
46	P	2,4,5-Trichlorophenol	0.391	0.381	2.6	106	0.00	7.84
47	S	2-Fluorobiphenyl	1.355	1.264	6.7	104	0.00	7.88
48	P	1,1'-Biphenyl	1.534	1.421	7.4	104	0.00	7.97
49	P	2-Chloronaphthalene	1.180	1.107	6.2	104	0.00	7.96
50	P	2-Nitroaniline	0.339	0.334	1.5	108	0.00	8.14
51		p-Dinitrobenzene	0.202	0.196	3.0	103	0.00	8.28
52	P	Acenaphthylene	2.007	1.888	5.9	105	0.00	8.44
53	P	Dimethylphthalate	1.302	1.213	6.8	102	0.00	8.42
54		m-Dinitrobenzene	0.222	0.212	4.5	104	0.00	8.41
55	P	2,6-Dinitrotoluene	0.311	0.287	7.7	102	0.00	8.48
56		o-Dinitrobenzene	0.221	0.222	-0.5	111	0.00	8.54
57	P	Acenaphthene	1.217	1.134	6.8	104	0.00	8.66
58	P	3-Nitroaniline	0.400	0.380	5.0	104	0.00	8.63
		----------	Amount	Calc.	%Drift	----------		
59	P	2,4-Dinitrophenol	50.000	43.327	13.3	91	0.00	8.75
		----------	AvgRF	CCRF	%Dev	----------		
60	P	Dibenzofuran	1.640	1.539	6.2	104	0.00	8.85
61	P	2,4-Dinitrotoluene	0.403	0.388	3.7	103	0.00	8.92
62	P	4-Nitrophenol	0.143	0.152	-6.3	111	0.00	8.90
63		2,3,5,6-Tetrachlorophenol	0.280	0.275	1.8	107	0.00	9.01
64	P	2,3,4,6-Tetrachlorophenol	0.275	0.261	5.1	106	0.00	9.06
65	P	Fluorene	1.280	1.218	4.8	107	0.00	9.24
66	P	4-Chlorophenyl-phenylethe	0.539	0.510	5.4	108	0.00	9.28
67	P	Diethylphthalate	1.270	1.201	5.4	107	0.00	9.25
68		Thionazin	0.271	0.256	5.5	106	0.00	9.34
69	P	4-Nitroaniline	0.384	0.362	5.7	106	0.00	9.35
70	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00	10.32
		----------	Amount	Calc.	%Drift	----------		
71	P	4,6-Dinitro-2-methylpheno	50.000	45.786	8.4	101	0.00	9.39
		----------	AvgRF	CCRF	%Dev	----------		
72	P	n-Nitrosodiphenylamine	0.605	0.568	6.1	106	0.00	9.43
73		Diphenylamine	0.726	0.682	6.1	106	0.00	9.43
74		1,2-Diphenylhydrazine	0.842	0.782	7.1	106	0.00	9.45
75	S	2,4,6-Tribromophenol	0.088	0.084	4.5	103	0.00	9.55
76		Sulfotep	0.130	0.128	1.5	112	0.00	9.77
77		Phorate	0.476	0.445	6.5	104	0.00	9.83
78	P	4-Bromophenyl-phenylether	0.184	0.174	5.4	108	0.00	9.84
79	P	Hexachlorobenzene	0.184	0.178	3.3	109	0.00	9.98
80		Dimethoate	0.358	0.336	6.1	103	0.00	10.03
81		Simazine	0.077	0.069	10.4	100	0.00	10.07
82	P	Atrazine	0.198	0.188	5.1	106	0.00	10.13
83	P	Pentachlorophenol	0.116	0.120	-3.4	108	0.00	10.21
84	P	Phenanthrene	1.162	1.103	5.1	107	0.00	10.35
85	P	Anthracene	1.176	1.115	5.2	106	0.00	10.40
86		Disulfoton	0.423	0.398	5.9	106	0.00	10.44
87	P	Carbazole	1.190	1.103	7.3	103	0.00	10.62

Continuing Calibration Summary

Job Number: FA34260 **Sample:** SX2054-CC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046643.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

88		Methyl Parathion	0.307	0.303	1.3	105	0.00	10.87
89	P	Di-n-butylphthalate	1.474	1.416	3.9	106	0.00	11.16
90		Ethyl Parathion	0.175	0.171	2.3	104	0.00	11.35
91	P	Fluoranthene	1.138	1.082	4.9	105	0.00	11.74
92	I	Chrysene-d12	1.000	1.000	0.0	112	0.00	13.44
93		Benzidine	0.777	0.754	3.0	112	0.00	11.94
94	P	Pyrene	1.454	1.327	8.7	104	0.00	11.99
95	S	Terphenyl-d14	0.819	0.747	8.8	104	0.00	12.25
96		Famphur	0.461	0.444	3.7	108	0.00	12.84
97	P	Butylbenzylphthalate	0.817	0.763	6.6	106	0.00	12.91
98	P	3,3'-Dichlorobenzidine	0.408	0.386	5.4	106	0.00	13.46
99	P	Benzo[a]anthracene	1.168	1.052	9.9	103	0.00	13.42
100	P	Chrysene	1.109	0.978	11.8	102	0.00	13.48
101	P	bis(2-Ethylhexyl)phthalat	1.022	0.961	6.0	105	0.00	13.68
102	I	Perylene-d12	1.000	1.000	0.0	106	0.00	15.34
103	P	Di-n-octylphthalate	2.167	2.134	1.5	107	0.00	14.51
104	P	Benzo[b]fluoranthene	1.228	1.171	4.6	104	0.00	14.84
105	P	Benzo[k]fluoranthene	1.205	1.100	8.7	101	0.00	14.87
106	P	Benzo[a]pyrene	1.170	1.118	4.4	103	0.00	15.26
107	P	Indeno[1,2,3-cd]pyrene	0.916	0.882	3.7	101	0.00	16.67
108	P	Dibenz[a,h]anthracene	0.946	0.897	5.2	101	0.00	16.72
109	P	Benzo[g,h,i]perylene	1.042	0.956	8.3	100	0.01	16.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
x046544.D 8270d00526.m Wed Jun 01 08:54:08 2016

7.7.4

7

Continuing Calibration Summary

Job Number: FA34260 **Sample:** SX2054-CC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046668.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\sx2054\x046668.D          Vial: 27
Acq On    :  1 Jun 2016  12:48 am                   Operator: marthav
Sample    : cc2052-50                               Inst    : MSBNA05
Misc      : op60454,sx2054,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\1\METHODS\8270d00526.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Thu May 26 14:57:57 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00	5.17
2		1,4-Dioxane	0.606	0.517	14.7	76	-0.01	2.02
3		N-nitrosodimethylamine	0.799	0.773	3.3	89	-0.02	2.40
4		Pyridine	1.510	1.361	9.9	87	-0.02	2.39
		----------	Amount	Calc.	%Drift		----------	
5	P	Benzaldehyde	50.000	49.238	1.5	91	0.00	4.70
		----------	AvgRF	CCRF	%Dev		----------	
6		Aniline	2.051	1.890	7.8	85	0.00	4.87
7	S	2-Fluorophenol	1.408	1.308	7.1	85	-0.02	3.89
8	P	bis(2-Chloroethyl)ether	1.307	1.212	7.3	86	0.00	4.95
9	S	Phenol-d5	1.522	1.403	7.8	86	-0.01	4.91
10	P	Phenol	1.586	1.544	2.6	89	-0.01	4.92
11	P	2-Chlorophenol	1.522	1.418	6.8	88	0.00	4.99
12		1,3-Dichlorobenzene	1.629	1.534	5.8	88	0.00	5.13
13		1,4-Dichlorobenzene	1.611	1.526	5.3	86	0.00	5.18
14		1,2-Dichlorobenzene	1.527	1.447	5.2	88	0.00	5.39
15		Benzyl alcohol	0.932	0.864	7.3	84	0.00	5.38
16	P	bis(2-chloroisopropyl)eth	2.475	2.465	0.4	95	0.00	5.55
17	P	2-Methylphenol	1.224	1.152	5.9	87	0.00	5.55
18	P	Acetophenone	1.728	1.623	6.1	87	0.00	5.65
19	P	Hexachloroethane	0.595	0.585	1.7	91	0.00	5.72
20	P	N-Nitroso-di-n-propylamin	0.723	0.677	6.4	86	0.00	5.70
21	P	3&4-Methylphenol	1.256	1.184	5.7	86	0.00	5.72
22	I	Naphthalene-d8	1.000	1.000	0.0	92	0.00	6.59
23	S	Nitrobenzene-d5	0.324	0.307	5.2	89	0.00	5.81
24	P	Nitrobenzene	0.316	0.303	4.1	91	0.00	5.83
25	P	Isophorone	0.599	0.567	5.3	90	0.00	6.10
26	P	2-Nitrophenol	0.212	0.201	5.2	88	0.00	6.20
27	P	2,4-Dimethylphenol	0.315	0.307	2.5	90	0.00	6.30
28		O,O,O-Triethylphosphoroth	0.136	0.130	4.4	89	0.00	6.41
29	P	bis(2-Chloroethoxy)methan	0.414	0.377	8.9	87	0.00	6.39
30		Benzoic Acid	0.248	0.225	9.3	82	0.00	6.45
31	P	2,4-Dichlorophenol	0.291	0.279	4.1	88	0.00	6.47
32		1,2,4-Trichlorobenzene	0.299	0.285	4.7	91	0.00	6.55
33		alpha-Terpineol		----------NA----------				
34	P	Naphthalene	1.028	0.978	4.9	89	0.00	6.61
35	P	4-Chloroaniline	0.447	0.427	4.5	89	0.00	6.73
36		2,6-Dichlorophenol	0.282	0.269	4.6	90	0.00	6.73
37	P	Hexachlorobutadiene	0.138	0.135	2.2	92	0.00	6.84

Continuing Calibration Summary

Job Number: FA34260 **Sample:** SX2054-CC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046668.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

38	P	Caprolactam	0.107	0.097	9.3	82	0.00	7.09
39	P	4-Chloro-3-methylphenol	0.266	0.261	1.9	91	0.00	7.34
40	P	2-Methylnaphthalene	0.692	0.672	2.9	91	0.00	7.40
41		1-Methylnaphthalene	0.636	0.605	4.9	89	0.00	7.52
42	P	1,2,4,5-Tetrachlorobenzen	0.253	0.243	4.0	91	0.00	7.65
43	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00	8.62
44	P	Hexachlorocyclopentadiene	0.294	0.279	5.1	89	0.00	7.68
45	P	2,4,6-Trichlorophenol	0.379	0.353	6.9	90	0.00	7.79
46	P	2,4,5-Trichlorophenol	0.391	0.376	3.8	92	0.00	7.84
47	S	2-Fluorobiphenyl	1.355	1.256	7.3	91	0.00	7.88
48	P	1,1'-Biphenyl	1.534	1.435	6.5	92	0.00	7.97
49	P	2-Chloronaphthalene	1.180	1.109	6.0	91	0.00	7.96
50	P	2-Nitroaniline	0.339	0.321	5.3	91	0.00	8.14
51		p-Dinitrobenzene	0.202	0.184	8.9	85	0.00	8.27
52	P	Acenaphthylene	2.007	1.916	4.5	93	0.00	8.44
53	P	Dimethylphthalate	1.302	1.231	5.5	91	0.00	8.42
54		m-Dinitrobenzene	0.222	0.209	5.9	89	0.00	8.40
55	P	2,6-Dinitrotoluene	0.311	0.292	6.1	91	0.00	8.47
56		o-Dinitrobenzene	0.221	0.210	5.0	93	0.00	8.54
57	P	Acenaphthene	1.217	1.134	6.8	91	0.00	8.66
58	P	3-Nitroaniline	0.400	0.373	6.8	89	0.00	8.62
		----------	Amount	Calc.	%Drift	----------		
59	P	2,4-Dinitrophenol	50.000	41.893	16.2	77	0.00	8.74
		----------	AvgRF	CCRF	%Dev	----------		
60	P	Dibenzofuran	1.640	1.546	5.7	91	0.00	8.84
61	P	2,4-Dinitrotoluene	0.403	0.383	5.0	90	0.00	8.92
62	P	4-Nitrophenol	0.143	0.145	-1.4	93	0.00	8.89
63		2,3,5,6-Tetrachlorophenol	0.280	0.266	5.0	91	0.00	9.01
64	P	2,3,4,6-Tetrachlorophenol	0.275	0.253	8.0	90	0.00	9.06
65	P	Fluorene	1.280	1.221	4.6	94	0.00	9.24
66	P	4-Chlorophenyl-phenylethe	0.539	0.512	5.0	95	0.00	9.27
67	P	Diethylphthalate	1.270	1.218	4.1	95	0.00	9.25
68		Thionazin	0.271	0.262	3.3	95	0.00	9.34
69	P	4-Nitroaniline	0.384	0.351	8.6	91	0.00	9.34
70	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00	10.31
		----------	Amount	Calc.	%Drift	----------		
71	P	4,6-Dinitro-2-methylpheno	50.000	42.448	15.1	83	0.00	9.39
		----------	AvgRF	CCRF	%Dev	----------		
72	P	n-Nitrosodiphenylamine	0.605	0.558	7.8	92	0.00	9.43
73		Diphenylamine	0.726	0.669	7.9	92	0.00	9.43
74		1,2-Diphenylhydrazine	0.842	0.778	7.6	93	0.00	9.45
75	S	2,4,6-Tribromophenol	0.088	0.078	11.4	85	0.00	9.55
76		Sulfotep	0.130	0.127	2.3	99	0.00	9.77
77		Phorate	0.476	0.451	5.3	93	0.00	9.83
78	P	4-Bromophenyl-phenylether	0.184	0.167	9.2	92	0.00	9.83
79	P	Hexachlorobenzene	0.184	0.172	6.5	94	0.00	9.98
80		Dimethoate	0.358	0.326	8.9	88	0.00	10.02
81		Simazine	0.077	0.068	11.7	88	0.00	10.07
82	P	Atrazine	0.198	0.187	5.6	94	0.00	10.12
83	P	Pentachlorophenol	0.116	0.109	6.0	87	-0.01	10.20
84	P	Phenanthrene	1.162	1.072	7.7	93	0.00	10.34
85	P	Anthracene	1.176	1.118	4.9	94	0.00	10.39
86		Disulfoton	0.423	0.388	8.3	91	0.00	10.44
87	P	Carbazole	1.190	1.098	7.7	91	0.00	10.61

Continuing Calibration Summary

Job Number: FA34260 **Sample:** SX2054-CC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046668.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

88		Methyl Parathion	0.307	0.295	3.9	91	0.00	10.87
89	P	Di-n-butylphthalate	1.474	1.403	4.8	93	0.00	11.16
90		Ethyl Parathion	0.175	0.164	6.3	89	0.00	11.35
91	P	Fluoranthene	1.138	1.051	7.6	91	0.00	11.73
92	I	Chrysene-d12	1.000	1.000	0.0	95	-0.01	13.43
93		Benzidine	0.777	0.748	3.7	94	0.00	11.93
94	P	Pyrene	1.454	1.372	5.6	91	0.00	11.98
95	S	Terphenyl-d14	0.819	0.763	6.8	90	0.00	12.24
96		Famphur	0.461	0.465	-0.9	96	0.00	12.83
97	P	Butylbenzylphthalate	0.817	0.765	6.4	90	0.00	12.90
98	P	3,3'-Dichlorobenzidine	0.408	0.368	9.8	86	-0.01	13.45
99	P	Benzo[a]anthracene	1.168	1.072	8.2	89	0.00	13.42
100	P	Chrysene	1.109	1.009	9.0	90	-0.01	13.46
101	P	bis(2-Ethylhexyl)phthalat	1.022	0.975	4.6	90	0.00	13.67
102	I	Perylene-d12	1.000	1.000	0.0	88	0.00	15.34
103	P	Di-n-octylphthalate	2.167	2.200	-1.5	91	0.00	14.50
104	P	Benzo[b]fluoranthene	1.228	1.198	2.4	88	0.00	14.83
105	P	Benzo[k]fluoranthene	1.205	1.050	12.9	80	0.00	14.87
106	P	Benzo[a]pyrene	1.170	1.095	6.4	83	0.00	15.26
107	P	Indeno[1,2,3-cd]pyrene	0.916	0.836	8.7	79	0.00	16.66
108	P	Dibenz[a,h]anthracene	0.946	0.863	8.8	80	0.00	16.71
109	P	Benzo[g,h,i]perylene	1.042	0.908	12.9	78	0.00	16.95

(#) = Out of Range SPCC's out = 0 CCC's out = 0
x046544.D 8270d00526.m Wed Jun 01 14:13:27 2016

7.7.5

7

Continuing Calibration Summary

Job Number: FA34260 **Sample:** SX2054-ECC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046697.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\DATA\sx2054\x046697.D          Vial: 27
Acq On    :  1 Jun 2016  12:15 pm                   Operator: marthav
Sample    : ecc2052-50                              Inst    : MSBNA05
Misc      : op60454,sx2054,1000,,,1,1,water         Multiplr: 1.00
MS Integration Params: lscint.p

Method       : C:\msdchem\1\METHODS\8270d00526.m (RTE Integrator)
Title        : SW846 8270D OR EPA 625
Last Update  : Thu May 26 14:57:57 2016
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  50%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	5.17
2		1,4-Dioxane	0.606	0.547	9.7	86	-0.01	2.02
3		N-nitrosodimethylamine	0.799	0.756	5.4	94	-0.02	2.40
4		Pyridine	1.510	1.409	6.7	97	-0.02	2.39
		----------	Amount	Calc.	%Drift		----------	
5	P	Benzaldehyde	50.000	46.023	8.0	93	0.00	4.70
		----------	AvgRF	CCRF	%Dev		----------	
6		Aniline	2.051	1.921	6.3	93	0.00	4.87
7	S	2-Fluorophenol	1.408	1.321	6.2	92	-0.02	3.89
8	P	bis(2-Chloroethyl)ether	1.307	1.238	5.3	94	0.00	4.95
9	S	Phenol-d5	1.522	1.424	6.4	94	-0.01	4.91
10	P	Phenol	1.586	1.533	3.3	95	-0.01	4.92
11	P	2-Chlorophenol	1.522	1.413	7.2	94	0.00	4.99
12		1,3-Dichlorobenzene	1.629	1.557	4.4	96	0.00	5.13
13		1,4-Dichlorobenzene	1.611	1.555	3.5	95	0.00	5.19
14		1,2-Dichlorobenzene	1.527	1.466	4.0	96	0.00	5.39
15		Benzyl alcohol	0.932	0.887	4.8	93	0.00	5.37
16	P	bis(2-chloroisopropyl)eth	2.475	2.429	1.9	100	0.00	5.55
17	P	2-Methylphenol	1.224	1.187	3.0	96	0.00	5.55
18	P	Acetophenone	1.728	1.663	3.8	96	0.00	5.65
19	P	Hexachloroethane	0.595	0.576	3.2	97	0.00	5.72
20	P	N-Nitroso-di-n-propylamin	0.723	0.688	4.8	94	0.00	5.70
21	P	3&4-Methylphenol	1.256	1.183	5.8	92	0.00	5.73
22	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00	6.59
23	S	Nitrobenzene-d5	0.324	0.302	6.8	96	0.00	5.81
24	P	Nitrobenzene	0.316	0.302	4.4	100	0.00	5.83
25	P	Isophorone	0.599	0.563	6.0	98	0.00	6.10
26	P	2-Nitrophenol	0.212	0.201	5.2	96	0.00	6.20
27	P	2,4-Dimethylphenol	0.315	0.302	4.1	97	0.00	6.30
28		O,O,O-Triethylphosphoroth	0.136	0.127	6.6	95	0.00	6.41
29	P	bis(2-Chloroethoxy)methan	0.414	0.371	10.4	93	0.00	6.39
30		Benzoic Acid	0.248	0.228	8.1	90	0.00	6.45
31	P	2,4-Dichlorophenol	0.291	0.280	3.8	97	0.00	6.47
32		1,2,4-Trichlorobenzene	0.299	0.285	4.7	99	0.00	6.55
33		alpha-Terpineol		----------NA----------				
34	P	Naphthalene	1.028	0.965	6.1	96	0.00	6.61
35	P	4-Chloroaniline	0.447	0.420	6.0	96	0.00	6.73
36		2,6-Dichlorophenol	0.282	0.268	5.0	98	0.00	6.73
37	P	Hexachlorobutadiene	0.138	0.136	1.4	101	0.00	6.84

Continuing Calibration Summary

Job Number: FA34260 **Sample:** SX2054-ECC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046697.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

38	P	Caprolactam	0.107	0.099	7.5	92	0.00	7.09
39	P	4-Chloro-3-methylphenol	0.266	0.256	3.8	97	0.00	7.34
40	P	2-Methylnaphthalene	0.692	0.664	4.0	98	0.00	7.40
41		1-Methylnaphthalene	0.636	0.602	5.3	97	0.00	7.52
42	P	1,2,4,5-Tetrachlorobenzen	0.253	0.241	4.7	99	0.00	7.65
43	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	8.62
44	P	Hexachlorocyclopentadiene	0.294	0.265	9.9	91	0.00	7.68
45	P	2,4,6-Trichlorophenol	0.379	0.354	6.6	97	0.00	7.78
46	P	2,4,5-Trichlorophenol	0.391	0.372	4.9	98	0.00	7.84
47	S	2-Fluorobiphenyl	1.355	1.293	4.6	100	0.00	7.87
48	P	1,1'-Biphenyl	1.534	1.459	4.9	101	0.00	7.97
49	P	2-Chloronaphthalene	1.180	1.128	4.4	100	0.00	7.96
50	P	2-Nitroaniline	0.339	0.327	3.5	100	0.00	8.14
51		p-Dinitrobenzene	0.202	0.191	5.4	94	0.00	8.27
52	P	Acenaphthylene	2.007	1.923	4.2	100	0.00	8.44
53	P	Dimethylphthalate	1.302	1.241	4.7	98	0.00	8.42
54		m-Dinitrobenzene	0.222	0.211	5.0	97	0.00	8.41
55	P	2,6-Dinitrotoluene	0.311	0.297	4.5	99	0.00	8.47
56		o-Dinitrobenzene	0.221	0.221	0.0	104	0.00	8.54
57	P	Acenaphthene	1.217	1.148	5.7	99	0.00	8.66
58	P	3-Nitroaniline	0.400	0.369	7.8	95	0.00	8.62
		----------	Amount	Calc.	%Drift		----------	
59	P	2,4-Dinitrophenol	50.000	39.139	21.7	75	0.00	8.74
		----------	AvgRF	CCRF	%Dev		----------	
60	P	Dibenzofuran	1.640	1.563	4.7	99	0.00	8.84
61	P	2,4-Dinitrotoluene	0.403	0.376	6.7	94	0.00	8.92
62	P	4-Nitrophenol	0.143	0.146	-2.1	101	0.00	8.89
63		2,3,5,6-Tetrachlorophenol	0.280	0.268	4.3	98	0.00	9.01
64	P	2,3,4,6-Tetrachlorophenol	0.275	0.260	5.5	99	0.00	9.06
65	P	Fluorene	1.280	1.232	3.8	102	0.00	9.24
66	P	4-Chlorophenyl-phenylethe	0.539	0.503	6.7	100	0.00	9.27
67	P	Diethylphthalate	1.270	1.230	3.1	103	0.00	9.24
68		Thionazin	0.271	0.259	4.4	101	0.00	9.34
69	P	4-Nitroaniline	0.384	0.360	6.3	100	0.00	9.34
70	I	Phenanthrene-d10	1.000	1.000	0.0	107	0.00	10.31
		----------	Amount	Calc.	%Drift		----------	
71	P	4,6-Dinitro-2-methylpheno	50.000	42.486	15.0	90	0.00	9.39
		----------	AvgRF	CCRF	%Dev		----------	
72	P	n-Nitrosodiphenylamine	0.605	0.565	6.6	102	0.00	9.43
73		Diphenylamine	0.726	0.678	6.6	102	0.00	9.43
74		1,2-Diphenylhydrazine	0.842	0.768	8.8	100	0.00	9.45
75	S	2,4,6-Tribromophenol	0.088	0.083	5.7	99	0.00	9.55
76		Sulfotep	0.130	0.127	2.3	108	0.00	9.77
77		Phorate	0.476	0.439	7.8	99	0.00	9.83
78	P	4-Bromophenyl-phenylether	0.184	0.172	6.5	103	0.00	9.83
79	P	Hexachlorobenzene	0.184	0.169	8.2	100	0.00	9.98
80		Dimethoate	0.358	0.328	8.4	97	0.00	10.02
81		Simazine	0.077	0.066	14.3	92	0.00	10.07
82	P	Atrazine	0.198	0.180	9.1	98	0.00	10.12
83	P	Pentachlorophenol	0.116	0.115	0.9	100	-0.01	10.20
84	P	Phenanthrene	1.162	1.073	7.7	101	0.00	10.34
85	P	Anthracene	1.176	1.082	8.0	99	0.00	10.39
86		Disulfoton	0.423	0.388	8.3	99	0.00	10.44
87	P	Carbazole	1.190	1.083	9.0	98	0.00	10.61

Continuing Calibration Summary

Job Number: FA34260 **Sample:** SX2054-ECC2052
Account: URSNCM AECOM, INC. **Lab FileID:** X046697.D
Project: Belhaven Dump; Belhaven, Beaufort County, NC

88		Methyl Parathion	0.307	0.294	4.2	99	0.00	10.87
89	P	Di-n-butylphthalate	1.474	1.396	5.3	100	0.00	11.16
90		Ethyl Parathion	0.175	0.168	4.0	99	0.00	11.35
91	P	Fluoranthene	1.138	1.056	7.2	99	0.00	11.73
92	I	Chrysene-d12	1.000	1.000	0.0	104	-0.01	13.43
93		Benzidine	0.777	0.706	9.1	97	0.00	11.94
94	P	Pyrene	1.454	1.350	7.2	98	0.00	11.98
95	S	Terphenyl-d14	0.819	0.752	8.2	97	0.00	12.24
96		Famphur	0.461	0.434	5.9	98	0.00	12.83
97	P	Butylbenzylphthalate	0.817	0.772	5.5	100	0.00	12.90
98	P	3,3'-Dichlorobenzidine	0.408	0.370	9.3	94	-0.01	13.45
99	P	Benzo[a]anthracene	1.168	1.059	9.3	96	0.00	13.42
100	P	Chrysene	1.109	0.980	11.6	95	-0.01	13.46
101	P	bis(2-Ethylhexyl)phthalat	1.022	0.979	4.2	99	0.00	13.67
102	I	Perylene-d12	1.000	1.000	0.0	95	0.00	15.34
103	P	Di-n-octylphthalate	2.167	2.224	-2.6	99	0.00	14.50
104	P	Benzo[b]fluoranthene	1.228	1.135	7.6	90	-0.01	14.83
105	P	Benzo[k]fluoranthene	1.205	1.140	5.4	94	0.00	14.87
106	P	Benzo[a]pyrene	1.170	1.095	6.4	90	0.00	15.26
107	P	Indeno[1,2,3-cd]pyrene	0.916	0.849	7.3	87	0.00	16.67
108	P	Dibenz[a,h]anthracene	0.946	0.865	8.6	87	0.00	16.71
109	P	Benzo[g,h,i]perylene	1.042	0.915	12.2	85	0.00	16.96

(#) = Out of Range SPCC's out = 0 CCC's out = 0
x046544.D 8270d00526.m Wed Jun 01 14:13:11 2016

7.7.6

7

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
Analyst: JL Run ID: MA13186
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:43	MA13186-STD1	1		STD1
10:44	MA13186-STD2	1		STD2
10:46	MA13186-STD3	1		STD3
10:47	MA13186-STD4	1		STD4
10:49	MA13186-STD5	1		STD5
10:50	MA13186-STD6	1		STD6
10:52	MA13186-HSTD1	1		
10:54	MA13186-ICV1	1		
10:56	MA13186-ICB1	1		
10:58	MA13186-CRI1	1		
10:59	MA13186-CCV1	1		
11:00	MA13186-CCB1	1		
11:02	MP30405-MB1	1		
11:03	MP30405-B1	1		
11:05	FA34184-1	1		(sample used for QC only; not part of login FA34260)
11:06	MP30405-D1	1		
11:08	MP30405-SD1	5		
11:09	MP30405-S1	1		
11:10	MP30405-S2	1		
11:12	ZZZZZZ	1		
11:14	ZZZZZZ	1		
11:15	ZZZZZZ	1		
11:16	MA13186-CCV2	1		
11:18	MA13186-CCB2	1		
11:19	ZZZZZZ	1		
11:21	ZZZZZZ	1		
11:22	ZZZZZZ	1		
11:23	ZZZZZZ	1		
11:24	ZZZZZZ	1		
11:26	ZZZZZZ	1		
11:27	MP30406-MB1	1		
11:28	MP30406-B1	1		
11:30	FA34217-1	1		(sample used for QC only; not part of login FA34260)

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
Analyst: JL Run ID: MA13186
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:31	MP30406-D1	1		
11:33	MA13186-CCV3	1		
11:34	MA13186-CCB3	1		
11:36	MP30406-SD1	5		
11:37	MP30406-S1	1		
11:38	MP30406-S2	1		
11:40	ZZZZZZ	1		
11:42	FA34260-1	1		
11:43	FA34260-2	1		
---------->	Last reportable sample/prep for job FA34260			
11:46	MA13186-CCV4	1		
11:47	MA13186-CCB4	1		
12:43	MA13186-CCV5	1		
12:44	MA13186-CCB5	1		
12:52	MA13186-CCV6	1		
12:53	MA13186-CCB6	1		
13:09	MA13186-CCV7	1		
13:10	MA13186-CCB7	1		
13:26	MA13186-CCV8	1		
13:28	MA13186-CCB8	1		
13:34	MA13186-CRI2	1		
13:35	MA13186-CCV9	1		
13:37	MA13186-CCB9	1		
---------->	Last reportable CCB for job FA34260			

Refer to raw data for calibration curve and standards.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
QC Limits: result < RL Run ID: MA13186 Units: ug/l

Time:			10:56		11:00		11:18		11:34	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.50	.03	-0.022	<0.50	-0.0091	<0.50	0.0071	<0.50	0.012	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
QC Limits: result < RL Run ID: MA13186 Units: ug/l

Time:			11:47		12:44		12:53		13:10	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.50	.03	0.015	<0.50	0.0036	<0.50	0.027	<0.50	0.0095	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

8.1.1
8

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
QC Limits: result < RL Run ID: MA13186 Units: ug/l

Time:			13:28		13:37	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Mercury	0.50	.03	0.0084	<0.50	0.013	<0.50

(*) Outside of QC limits
(anr) Analyte not requested

8.1.1
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
QC Limits: 90 to 110 % Recovery Run ID: MA13186 Units: ug/l

Time:		10:54			10:59			11:16	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	3	3.1	103.3	3	3.1	103.3

(*) Outside of QC limits
(anr) Analyte not requested

8.1.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
QC Limits: 90 to 110 % Recovery Run ID: MA13186 Units: ug/l

Time:		11:33			11:46			12:43	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.1	103.3	3	3.1	103.3	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

8.1.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
QC Limits: 90 to 110 % Recovery Run ID: MA13186 Units: ug/l

Time:		12:52			13:09			13:26	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3.0	3.0	100.0	3.0	3.0	100.0	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

8.1.2
8

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
QC Limits: 90 to 110 % Recovery Run ID: MA13186 Units: ug/l

Time:		13:35	
Sample ID:	CCV	CCV9	
Metal	True	Results	% Rec
Mercury	3.0	3.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

8.1.2
8

HIGH STANDARD CHECK SUMMARY

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
QC Limits: 95 to 105 % Recovery Run ID: MA13186 Units: ug/l

Time:		10:52	
Sample ID:	HSTD	HSTD1	
Metal	True	Results	% Rec
Mercury	6.0	6.0	100.0

(*) Outside of QC limits
(anr) Analyte not requested

8.1.3

8

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: H40527W2.CSV Date Analyzed: 05/27/16 Methods: EPA 245.1
QC Limits: 80 to 120 % Recovery Run ID: MA13186 Units: ug/l

Time:			10:58		13:34	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.18	90.0	0.19	95.0

(*) Outside of QC limits
(anr) Analyte not requested

8.1.4
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

QC Batch ID: MP30406 Methods: EPA 245.1
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/27/16

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.50	.03	.03	0.022	<0.50

Associated samples MP30406: FA34260-1, FA34260-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

QC Batch ID: MP30406 Methods: EPA 245.1
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/27/16 05/27/16

Metal	FA34217-1 Original	DUP	RPD	QC Limits	FA34217-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-10	0.0	3.1	3	103.3	70-130

Associated samples MP30406: FA34260-1, FA34260-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.2.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

QC Batch ID: MP30406 Methods: EPA 245.1
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/27/16

Metal	FA34217-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	3.1	3	103.3	0.0	

Associated samples MP30406: FA34260-1, FA34260-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

8.2.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

QC Batch ID: MP30406
Matrix Type: AQUEOUS

Methods: EPA 245.1
Units: ug/l

Prep Date: 05/27/16

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	3.0	3	100.0	85-115

Associated samples MP30406: FA34260-1, FA34260-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.3

8

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

QC Batch ID: MP30406 Methods: EPA 245.1
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/27/16

Metal	FA34217-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP30406: FA34260-1, FA34260-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.4

8

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Bromide	GP28012/GN71100	0.50	0.0	mg/l	12.5	13.4	107.2	90-110%
Chloride	GP28012/GN71100	2.0	0.0	mg/l	50	52.8	105.6	90-110%
Fluoride	GP28012/GN71100	0.20	0.0	mg/l				
Fluoride	GP28012/GN71236			mg/l	2.5	2.46	98.4	90-110%
Nitrogen, Ammonia	GP28065/GN71234	0.10	0.0	mg/l	2.5	2.50	100.0	90-110%
Nitrogen, Nitrate	GP28012/GN71100	0.10	0.0	mg/l	2.5	2.49	99.6	90-110%
Nitrogen, Nitrite	GP28012/GN71100	0.10	0.0	mg/l	2.5	2.79	111.6*	90-110%
Sulfate	GP28012/GN71100	2.0	0.0	mg/l	50	53.8	107.6	90-110%

Associated Samples:
Batch GP28012: FA34260-1, FA34260-2
Batch GP28065: FA34260-1, FA34260-2
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Bromide	GP28012/GN71100	FA34267-3	mg/l	0.0	12.5	13.3	106.4	90-110%
Chloride	GP28012/GN71100	FA34267-3	mg/l	1.8	50	54.7	105.8	90-110%
Fluoride	GP28012/GN71236	FA34267-3	mg/l	0.10	2.5	2.6	100.0	90-110%
Nitrogen, Ammonia	GP28065/GN71234	FA34256-16	mg/l	6.6	2.5	8.9	92.0	90-110%
Nitrogen, Nitrate	GP28012/GN71100	FA34267-3	mg/l	0.0	2.5	2.5	100.0	90-110%
Nitrogen, Nitrite	GP28012/GN71100	FA34267-3	mg/l	0.0	2.5	2.8	112.0N(a)	90-110%
Sulfate	GP28012/GN71100	FA34267-3	mg/l	12.9	50	66.3	106.8	90-110%

Associated Samples:
Batch GP28012: FA34260-1, FA34260-2
Batch GP28065: FA34260-1, FA34260-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery outside of acceptable QC criteria.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Bromide	GP28012/GN71100	FA34267-3	mg/l	0.0	12.5	13.4	0.7	20%
Chloride	GP28012/GN71100	FA34267-3	mg/l	1.8	50	54.6	0.2	20%
Fluoride	GP28012/GN71236	FA34267-3	mg/l	0.10	2.5	2.6	0.0	20%
Nitrogen, Ammonia	GP28065/GN71234	FA34256-16	mg/l	6.6	2.5	9.0	1.1	20%
Nitrogen, Nitrate	GP28012/GN71100	FA34267-3	mg/l	0.0	2.5	2.5	0.0	20%
Nitrogen, Nitrite	GP28012/GN71100	FA34267-3	mg/l	0.0	2.5	2.8	0.0	20%
Sulfate	GP28012/GN71100	FA34267-3	mg/l	12.9	50	66.2	0.2	20%

Associated Samples:
Batch GP28012: FA34260-1, FA34260-2
Batch GP28065: FA34260-1, FA34260-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: 316052601.TXT Date Analyzed: 05/26/16 Methods: EPA 300/SW846 9056A
Analyst: LJ Run ID: GN71100
Parameters: Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:20	GN71100-CCV1	1		
09:37	GP28011-MB1	1		
09:54	GP28011-B1	1		
10:45	ZZZZZZ	10		
11:01	ZZZZZZ	10		
11:18	ZZZZZZ	10		
11:35	ZZZZZZ	5		
11:52	ZZZZZZ	10		
12:09	ZZZZZZ	1		
12:53	GN71100-CCV2	1		
13:10	GN71100-CCB1	1		
13:27	ZZZZZZ	10		
13:44	ZZZZZZ	2		
14:01	ZZZZZZ	1		
14:18	FA33941-1	1		(sample used for QC only; not part of login FA34260)
14:35	GP28011-S1	1		
14:52	GP28011-S2	1		
15:08	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:42	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:16	GN71100-CCV3	1		
16:33	GN71100-CCB2	1		
16:50	ZZZZZZ	1		
17:24	ZZZZZZ	1		
17:41	FA34256-10F	1		(sample used for QC only; not part of login FA34260)
17:58	GP28011-S3	1		
18:15	GP28011-S4	1		
18:32	ZZZZZZ	25		
18:49	ZZZZZZ	1		
19:05	GN71100-CCV4	1		
19:22	GP28012-MB1	1		
19:39	GP28012-B1	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: 316052601.TXT Date Analyzed: 05/26/16 Methods: EPA 300/SW846 9056A
Analyst: LJ Run ID: GN71100
Parameters: Nitrogen, Nitrate,Sulfate

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:56	ZZZZZZ	1		
20:13	FA34267-3	1		(sample used for QC only; not part of login FA34260)
20:30	GP28012-S1	1		
20:47	GP28012-S2	1		
21:04	ZZZZZZ	1		
21:21	ZZZZZZ	1		
21:38	ZZZZZZ	1		
21:55	ZZZZZZ	10		
22:12	GN71100-CCV5	1		
22:29	GN71100-CCB3	1		
22:45	ZZZZZZ	1		
23:02	ZZZZZZ	1		
23:19	ZZZZZZ	2		
23:36	ZZZZZZ	1		
23:53	ZZZZZZ	1		
00:10	FA34267-5	1		(sample used for QC only; not part of login FA34260)
00:27	GP28012-S3	1		
00:44	GP28012-S4	1		
01:01	ZZZZZZ	1		
01:18	ZZZZZZ	5		
01:35	GN71100-CCV6	1		
01:52	GN71100-CCB4	1		
02:09	ZZZZZZ	1		
02:26	FA34260-1	1		
02:42	FA34260-2	1		
02:59	ZZZZZZ	2		
03:16	FA34256-10F	5		(sample used for QC only; not part of login FA34260)
03:33	GP28011-S3	5		
03:50	GP28011-S4	5		
04:07	GN71100-CCV7	1		
04:24	GN71100-CCB5	1		
04:58	GN71100-CCV8	1		
05:15	GN71100-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: 316052601.TXT Date Analyzed: 05/26/16 Methods: EPA 300/SW846 9056A
Run ID: GN71100 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN71100-CCV1	Nitrogen, Nitrate	2.3	0.10	0.050	2.5	92.0	90-110
GN71100-CCV1	Sulfate	49.1	2.0	0.60	50	98.2	90-110
GN71100-CCV2	Nitrogen, Nitrate	2.3	0.10	0.050	2.5	92.0	90-110
GN71100-CCV2	Sulfate	49.3	2.0	0.60	50	98.6	90-110
GN71100-CCB1	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN71100-CCB1	Sulfate	0.60 U	2.0	0.60			
GN71100-CCV3	Nitrogen, Nitrate	2.3	0.10	0.050	2.5	92.0	90-110
GN71100-CCV3	Sulfate	49.2	2.0	0.60	50	98.4	90-110
GN71100-CCB2	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN71100-CCB2	Sulfate	0.60 U	2.0	0.60			
GN71100-CCV4	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN71100-CCV4	Sulfate	50.5	2.0	0.60	50	101.0	90-110
GN71100-CCV5	Nitrogen, Nitrate	2.4	0.10	0.050	2.5	96.0	90-110
GN71100-CCV5	Sulfate	49.3	2.0	0.60	50	98.6	90-110
GN71100-CCB3	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN71100-CCB3	Sulfate	0.60 U	2.0	0.60			
GN71100-CCV6	Nitrogen, Nitrate	2.3	0.10	0.050	2.5	92.0	90-110
GN71100-CCV6	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN71100-CCB4	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN71100-CCB4	Sulfate	0.60 U	2.0	0.60			
GN71100-CCV7	Nitrogen, Nitrate	2.3	0.10	0.050	2.5	92.0	90-110
GN71100-CCV7	Sulfate	49.5	2.0	0.60	50	99.0	90-110
GN71100-CCB5	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN71100-CCB5	Sulfate	0.60 U	2.0	0.60			
GN71100-CCV8	Nitrogen, Nitrate	2.7	0.10	0.050	2.5	108.0	90-110
GN71100-CCV8	Sulfate	56.6	2.0	0.60	50	113.2!	90-110
GN71100-CCB6	Nitrogen, Nitrate	0.050 U	0.10	0.050			
GN71100-CCB6	Sulfate	0.60 U	2.0	0.60			

(!) Outside of QC limits

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: B060816AMN1.CSV Date Analyzed: 06/08/16 Methods: EPA 350.1, EPA 350.1 M
Analyst: JK Run ID: GN71234
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:39	GN71234-ICV1	1		
13:40	GN71234-CCV1	1		
13:41	GN71234-CCB1	1		
13:42	GP28066-MB1	1		
13:43	GP28066-B1	1		
13:45	GP28066-S1	1		
13:46	GP28066-S2	1		
13:47	FA34269-6	1		(sample used for QC only; not part of login FA34260)
13:48	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:51	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:54	GN71234-CCV2	1		
13:55	GN71234-CCB2	1		
13:56	ZZZZZZ	1		
13:57	ZZZZZZ	1		
13:58	ZZZZZZ	1		
14:01	GP28065-MB1	1		
14:02	GP28065-B1	1		
14:07	GN71234-CCV3	1		
14:08	GN71234-CCB3	1		
14:09	ZZZZZZ	1		
14:10	FA34260-1	1		
14:11	FA34260-2	1		
14:13	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:15	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:17	ZZZZZZ	1		
14:18	ZZZZZZ	1		
14:19	GP28065-S3	1		
14:20	GN71234-CCV4	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: B060816AMN1.CSV Date Analyzed: 06/08/16 Methods: EPA 350.1, EPA 350.1 M
Analyst: JK Run ID: GN71234
Parameters: Nitrogen, Ammonia

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:21	GN71234-CCB4	1		
14:23	GP28065-S4	1		
14:24	FA34295-3	1		(sample used for QC only; not part of login FA34260)
14:25	ZZZZZZ	1		
14:28	ZZZZZZ	1		
14:29	ZZZZZZ	1		
14:30	ZZZZZZ	1		
14:31	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:34	GN71234-CCV5	1		
14:35	GN71234-CCB5	1		
14:36	ZZZZZZ	1		
14:39	GP28065-S1	2		
14:40	GP28065-S2	2		
14:42	FA34256-16	2		(sample used for QC only; not part of login FA34260)
14:43	ZZZZZZ	20		
14:44	ZZZZZZ	1		
14:47	GN71234-CCV6	1		
14:48	GN71234-CCB6	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: FA34260
Account: URSNCM - AECOM, INC.
Project: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: B060816AMN1.CSV Date Analyzed: 06/08/16 Methods: EPA 350.1, EPA 350.1 M
Run ID: GN71234 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN71234-ICV1	Nitrogen, Ammonia	2.6	0.10	0.030	2.5	104.0	90-110
GN71234-CCV1	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN71234-CCB1	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN71234-CCV2	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN71234-CCB2	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN71234-CCV3	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN71234-CCB3	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN71234-CCV4	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN71234-CCB4	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN71234-CCV5	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN71234-CCB5	Nitrogen, Ammonia	0.030 U	0.10	0.030			
GN71234-CCV6	Nitrogen, Ammonia	2.4	0.10	0.030	2.5	96.0	90-110
GN71234-CCB6	Nitrogen, Ammonia	0.030 U	0.10	0.030			

(!) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Accutest New Jersey)

Includes the following where applicable:

- Chain of Custody
- Analyst Legend

CHAIN OF CUSTODY

4405 Vineland Rd, Suite C-15, Orlando, FL 32811
TEL 407-425-6700 FAX 407-425-0707
www.sgs.com

FED-EX Tracking # 6623 7371 4850
Bottle Order Control #
SGS Accutest Quote #
SGS Accutest Job FA34260

Client / Reporting Information

Company Name: SGS Accutest
Street Address: 4405 Vineland Rd, Suite C-15
City: Orlando State: FL Zip: 32811
Project Contact: heatherw E-mail: heatherw@accutest.com
Phone #: 407-425-6700 Fax #:
Sampler(s) Name(s): JC Phone:

Project Information

Project Name: Belhaven Dump; Belhaven, Beaufort County, NC
Street
City State
Project #
Client Purchase Order #
Project Manager
Billing Information (if different from Report to)
Company Name
Street Address
City State Zip
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XMETHSLMS ,FEMS ,200.8	LAB USE ONLY
1	WELL-31100 BELHAVEN		5/25/16	6:05:00 PM	JC	AQ	1			1						X	
2	DUP-1		5/25/16	6:10:00 PM	JC	AQ	1			1						X	FL

Turnaround Time (Business days)

Approved By (SGS Accutest PM): / Date:

- [ ] 10 Day (business)
- [ ] 5-7 Day
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [ ] 1 Day RUSH
- [X] other 14

Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1, Results Only)
- [ ] Commercial "B" (Level 2, Results + QC summary)
- [ ] REDT1 (Level 3)
- [ ] FULT1 (Level 4)
- [ ] DOD FULT1 (Level 4)
- [X] Other REDT1
- [ ] EDD Format

Comments / Special Instructions

ALNJ

INITIAL ASESSMENT AM 2B

LABEL VERIFICATION TR

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	5/26/16 1700	1 FX	2 FX	5-27-16 930	2
3		3	4		4
5		5			

Custody Seal # [ ] Intact [ ] Not intact Preserved where applicable On Ice [ ] Cooler Temp. 5.6 2.0

10.1 10

FA34260: Chain of Custody
Page 1 of 2
SGS Accutest New Jersey

SGS Accutest Sample Receipt Summary

Job Number: FA34260 **Client:** _____ **Project:** _____

Date / Time Received: 5/27/2016 9:30:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (5.6);

Cooler Temps (Corrected) °C: Cooler 1: (6.5);

Cooler Security	Y	or N		Y	or N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	or N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

Quality Control _Preservation	Y	or N	N/A
1. Trip Blank present / cooler:	☐	☑	☐
2. Trip Blank listed on COC:	☐	☑	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☐	☑	☐

Sample Integrity - Documentation	Y	or N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	or N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☑	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	or N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

10.1

10

FA34260: Chain of Custody

Page 2 of 2

Analyst Legend

Job Number: FA34260
Account: ALSE Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

Initials	Full Name	Analysis Type
JO	Jaclyn O'Connor	Metals Analysis

Metals Analysis

QC Data Summaries

(SGS Accutest New Jersey)

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:37	MA39541-STD1	1		STDA
09:42	MA39541-STD2	1		STDA
09:47	MA39541-STD3	1		STDA
09:52	MA39541-STD4	1		STDB
09:56	MA39541-STD5	1		STDC
10:01	MA39541-STD6	1		Analytical problems
10:06	MA39541-STD7	1		STDD
10:11	MA39541-STD8	1		STDE
10:15	MA39541-STD9	1		STDF
10:20	MA39541-STD10	1		STDG
10:25	MA39541-STD11	1		STDH
10:30	MA39541-STD12	1		STDI
10:34	MA39541-STD13	1		STDJ
10:39	ZZZZZZ	1		
10:44	MA39541-ICVA1	1		
10:50	ZZZZZZ	1		
10:58	MA39541-ICV1	1		60ppb Al.
11:03	MA39541-ICB1	1		
11:08	MA39541-CCVA1	1		
11:12	MA39541-CCB1	1		
11:17	MA39541-CRIB1	1		
11:22	MA39541-ICSA1	1		
11:27	MA39541-ICSAB1	1		
11:32	ZZZZZZ	1		
11:36	MA39541-CCVA2	1		
11:41	MA39541-CCB2	1		
11:46	MP94023-MB1	1		
11:51	MP94023-B1	10		
11:55	MP94023-S1	10		
12:00	MP94023-S2	10		
12:05	ZZZZZZ	1		
12:10	ZZZZZZ	1		
12:15	FA34308-1	10		(sample used for QC only; not part of login FA34260)

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:21	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:30	MA39541-CCVA3	1		
12:35	MA39541-CCB3	1		
12:40	MP94023-SD1	50		
12:44	ZZZZZZ	1		
12:49	ZZZZZZ	1		
12:54	MA39541-CRIB2	1		
12:59	MA39541-CCVA4	1		
13:04	MA39541-CCB4	1		
13:10	MP94024-MB1	2		
13:15	MP94024-B1	25		
13:20	MP94024-S1	25		
13:25	MP94024-S2	25		
13:30	ZZZZZZ	1		
13:34	JC21042-1	2		(sample used for QC only; not part of login FA34260)
13:39	MP94024-SD1	10		
13:44	MP94024-PS1	2		
13:49	ZZZZZZ	1		
13:53	MA39541-CCVA5	1		
13:58	MA39541-CCB5	1		
14:03	ZZZZZZ	2		
14:08	ZZZZZZ	2		
14:12	ZZZZZZ	2		
14:17	ZZZZZZ	2		
14:22	ZZZZZZ	1		
14:27	MA39541-CRIB3	1		
14:32	MA39541-CCVA6	1		
14:36	MA39541-CCB6	1		
14:41	ZZZZZZ	1		
14:46	MP93957A-MB1	5		
14:51	MP93957A-B1	25		
14:55	MP93957A-S1	25		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:00	MP93957A-S2	25		
15:05	ZZZZZZ	1		
15:12	MP93957A-S1	100		
15:17	MP93957A-S2	100		
15:21	ZZZZZZ	1		
15:26	MA39541-CCVA7	1		
15:31	MA39541-CCB7	1		
15:37	JC20777-13Q	100		(sample used for QC only; not part of login FA34260)
15:42	MP93957A-SD1	500		
15:47	MP93957A-PS1	100		
15:51	ZZZZZZ	5		
15:56	ZZZZZZ	5		
16:01	ZZZZZZ	5		
16:06	ZZZZZZ	5		
16:11	ZZZZZZ	25		
16:16	ZZZZZZ	1		
16:20	MA39541-CCVA8	1		
16:25	MA39541-CCB8	1		
16:30	ZZZZZZ	25		
16:36	ZZZZZZ	5		
16:41	ZZZZZZ	1		
16:46	MA39541-CRIB4	1		
16:50	MP94037-MB1	1		
16:55	MP94037-B1	1		
17:00	MP94037-B1	2		
17:05	MP94037-S1	1		
17:10	MP94037-S1	2		
17:14	ZZZZZZ	1		
17:19	MA39541-CCVA9	1		
17:24	MA39541-CCB9	1		
17:29	MP94037-S2	1		
17:33	MP94037-S2	2		
17:38	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	17:43	FA34294-1	1		(sample used for QC only; not part of login FA34260)
	17:48	ZZZZZZ	1		
	17:52	ZZZZZZ	1		
	17:57	ZZZZZZ	1		
	18:02	ZZZZZZ	1		
	18:07	ZZZZZZ	1		
	18:11	MA39541-CCVA10	1		
	18:16	MA39541-CCB10	1		
	18:21	ZZZZZZ	1		
	18:26	FA34260-1	1		
	18:31	FA34260-2	1		
---------->	Last reportable sample/prep for job FA34260				
	18:35	ZZZZZZ	1		
	18:40	ZZZZZZ	1		
	18:45	ZZZZZZ	1		
	18:50	MA39541-CCVA11	1		
	18:54	MA39541-CCB11	1		
---------->	Last reportable CCB for job FA34260				
	18:59	ZZZZZZ	1		
	19:04	ZZZZZZ	1		
	19:09	ZZZZZZ	1		
	19:13	ZZZZZZ	1		
	19:18	ZZZZZZ	1		
	19:23	ZZZZZZ	1		
	19:28	ZZZZZZ	1		
	19:33	ZZZZZZ	1		
	19:37	ZZZZZZ	1		
	19:42	MA39541-CCVA12	1		
	19:47	MA39541-CCB12	1		
	19:52	ZZZZZZ	1		
	19:56	ZZZZZZ	1		
	20:01	ZZZZZZ	1		
	20:06	ZZZZZZ	1		
	20:11	MA39541-CCVA13	1		
	20:16	MA39541-CCB13	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:20	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:30	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
09:37	MA39541-STD1	100	100	100	100	100	100	100	100
09:42	MA39541-STD2	100	100	100	100	100	100	100	100
09:47	MA39541-STD3	100	100	100	100	100	100	100	100
09:52	MA39541-STD4	102.503	101.393	100.603	100.829	101.457	100.862	100.586	101.881
09:56	MA39541-STD5	101.547	100.533	101.911	101.64	100.927	101.748	102.614	100.49
10:01	MA39541-STD6	No results reported for the elements associated with this internal standard.							
10:06	MA39541-STD7	102.645	101.47	102.168	100.085	101.009	102.43	101.116	101.836
10:11	MA39541-STD8	101.869	101.632	102.966	100.516	101.849	102.226	99.83	101.946
10:15	MA39541-STD9	101.118	100.07	101.416	99.942	100.088	102.575	100.131	100.91
10:20	MA39541-STD10	100.246	99.973	102.46	100.295	100.559	101.566	99.933	100.355
10:25	MA39541-STD11	100.117	100.851	102.121	100.46	99.948	101.725	100.351	100.701
10:30	MA39541-STD12	99.739	101.177	102.995	100.399	99.998	101.074	99.643	100.594
10:34	MA39541-STD13	99.66	99.339	102.691	100.58	98.531	101.164	99.13	99.131
10:39	ZZZZZZ	99.745	99.77	102.5	100.176	98.459	101.979	99.853	99.961
10:44	MA39541-ICVA1	98.495	99.357	99.408	97.726	98.133	101.419	97.27	97.897
10:50	ZZZZZZ	98.134	98.55	100.59	100.032	98.564	101.328	99.248	98.325
10:58	MA39541-ICV1	98.72	97.602	101.494	100.062	98.184	102.459	100.871	98.514
11:03	MA39541-ICB1	99.732	99.271	102.412	99.319	98.994	103.097	99.584	99.452
11:08	MA39541-CCVA1	100.563	99.501	101.563	98.992	98.814	100.761	98.631	99.195
11:12	MA39541-CCB1	98.286	97.387	100.374	99.158	97.118	101.034	98.833	97.914
11:17	MA39541-CRIB1	99.711	98.382	102.707	99.46	98.576	101.98	98.886	98.099
11:22	MA39541-ICSA1	98.607	95.004	98.261	96.117	95.282	98.66	96.826	93.387
11:27	MA39541-ICSAB1	100.319	96.517	99.743	97.97	98.273	99.932	97.987	95.669
11:32	ZZZZZZ	96.288	96.522	99.244	96.211	97.158	100.18	96.851	98.037
11:36	MA39541-CCVA2	95.147	94.789	98.297	96.661	94.775	98.95	95.802	96.02
11:41	MA39541-CCB2	93.817	94.234	98.744	96.232	95.449	99.247	97.009	96.173
11:46	MP94023-MB1	93.951	92.136	94.608	96.001	98.46	100.643	100.022	98.531
11:51	MP94023-B1	95.801	97.124	99.639	98.647	95.617	99.163	96.486	97.379
11:55	MP94023-S1	106.555	102.782	116.223	112.829	96.718	108.865	103.798	97.626
12:00	MP94023-S2	118.79	111.078	121.077	116.818	103.539	112.368	107.571	104.628
12:05	ZZZZZZ	131.832 !	121.317	122.49	113.893	117.694	121.555	113.367	117.949
12:10	ZZZZZZ	112.517	110.357	113.128	109.789	110.46	115.177	110.704	110.951
12:15	FA34308-1	118.151	114.767	121.787	119.902	108.356	115.758	111.718	108.591

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
12:21	ZZZZZZ	120.594	115.073	117.53	111.604	114.384	117.404	111.985	114.143
12:25	ZZZZZZ	112.993	110.994	114.83	111.595	110.775	115.622	111.332	112.056
12:30	MA39541-CCVA3	112.127	110.301	119.568	109.805	109.193	119.083	109.246	109.182
12:35	MA39541-CCB3	110.418	108.283	111.891	110.429	107.984	113.492	111.048	108.269
12:40	MP94023-SD1	116.443	115.273	119.415	112.829	113.142	116.422	111.274	112.759
12:44	ZZZZZZ	111.936	108.135	112.334	108.787	107.834	112.143	109.238	108.228
12:49	ZZZZZZ	108.778	106.842	110.101	106.786	105.865	111.801	106.551	105.379
12:54	MA39541-CRIB2	107.73	105.41	108.735	108.067	104.461	109.231	107.512	104.372
12:59	MA39541-CCVA4	106.566	105.116	107.978	105.428	103.339	107.079	103.382	103.53
13:04	MA39541-CCB4	104.196	101.797	106.487	103.812	102.305	105.843	103.647	102.076
13:10	MP94024-MB1	103.801	99.3	103.437	103.514	105.533	109.893	108.259	105.661
13:15	MP94024-B1	109.423	108.411	113.205	107.482	106.398	111.454	105.983	107.859
13:20	MP94024-S1	107.748	105.835	109.658	104.908	104.318	109.292	104.361	105.156
13:25	MP94024-S2	104.999	104.434	108.919	104.034	102.421	110.112	102.809	103.335
13:30	ZZZZZZ	103.828	101.05	105.291	103.843	100.65	107.007	103.054	100.959
13:34	JC21042-1	100.454	96.215	100.079	100.429	102.656	106.899	105.891	102.55
13:39	MP94024-SD1	106.54	104.741	109.011	105.355	104.254	109.413	104.534	104.173
13:44	MP94024-PS1	100.161	96.405	99.289	101.119	100.765	103.95	106.065	101.075
13:49	ZZZZZZ	106.076	102.954	107.763	106.183	102.591	107.745	105.273	103.799
13:53	MA39541-CCVA5	105.946	104.362	109.466	105.053	103.283	108.043	103.207	103.397
13:58	MA39541-CCB5	105.426	102.234	106.973	106.191	102.408	108.27	105.656	102.764
14:03	ZZZZZZ	102.84	99.434	102.859	103.984	105.39	110.29	111.132	105.478
14:08	ZZZZZZ	100.168	100.678	102.556	102.404	101.553	105.475	103.334	101.763
14:12	ZZZZZZ	100.289	96.716	101.971	103.282	102.868	108.262	109.171	102.697
14:17	ZZZZZZ	102.702	99.425	102.763	103.883	107.276	109.236	109.604	106.41
14:22	ZZZZZZ	109.131	105.084	110.049	107.034	104.688	110.011	106.105	104.426
14:27	MA39541-CRIB3	107.64	104.449	109.983	108.254	104.123	107.865	105.94	103.571
14:32	MA39541-CCVA6	107.163	104.812	108.835	104.076	103.394	108.189	102.363	102.902
14:36	MA39541-CCB6	107.083	104.227	107.597	106.11	103.416	108.986	104.821	103.026
14:41	ZZZZZZ	107.396	103.961	109.81	106.136	103.225	109.769	105.39	104.444
14:46	MP93957A-MB1	107.314	102.907	105.861	104.732	103.766	107.629	105.874	103.604
14:51	MP93957A-B1	109.281	106.322	111.005	106.218	103.901	108.266	104.268	105.417
14:55	MP93957A-S1	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
15:00	MP93957A-S2	No results reported for the elements associated with this internal standard.							
15:05	ZZZZZZ	103.267	100.067	104.652	103.086	99.574	105.76	103.71	100.708
15:12	MP93957A-S1	107.007	105.25	111.528	104.601	103.972	109.752	102.637	103.691
15:17	MP93957A-S2	106.703	104.074	112.61	103.662	102.176	110.462	102.518	102.113
15:21	ZZZZZZ	104.595	100.873	106.708	103.639	100.5	107.662	103.599	100.365
15:26	MA39541-CCVA7	105.528	102.257	107.356	101.988	100.725	105.714	100.436	101.19
15:31	MA39541-CCB7	103.947	100.14	105.961	102.81	100.23	104.424	101.295	100.582
15:37	JC20777-13Q	104.939	104.262	111.128	107.363	103.145	109.984	105.91	103.393
15:42	MP93957A-SD1	106.778	103.649	112.163	103.442	102.627	110.803	103.015	102.9
15:47	MP93957A-PS1	108.265	105.599	111.757	104.855	103.674	111.872	103.322	103.294
15:51	ZZZZZZ	99.461	110.371	114.221	108.29	101.987	108.14	101.783	97.914
15:56	ZZZZZZ	102.011	106.764	110.065	105.386	101.614	107.313	101.148	99.774
16:01	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:06	ZZZZZZ	104.613	109.146	110.948	105.157	106.179	108.644	102.337	103.723
16:11	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:16	ZZZZZZ	107.346	103.682	107.76	104.048	103.231	108.555	102.936	103.311
16:20	MA39541-CCVA8	103.056	100.935	106.801	102.426	99.747	105.346	100.878	100.346
16:25	MA39541-CCB8	102.332	100.993	106.967	104.112	101.073	106.639	103.09	101.592
16:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:36	ZZZZZZ	103.581	107.522	111.278	108.003	104.121	108.576	104	102.354
16:41	ZZZZZZ	105.678	103.415	108.894	103.923	103.151	108.239	102.652	103.205
16:46	MA39541-CRIB4	106.044	104.312	108.284	105.547	103.198	107.933	104.321	103.764
16:50	MP94037-MB1	106.707	105.439	111.158	106.123	105.6	111.131	105.662	106.05
16:55	MP94037-B1	105.808	104.222	108.397	103.421	102.604	107.197	102.525	103.599
17:00	MP94037-B1	103.391	101.763	108.059	103.592	101.181	107.238	102.389	102.866
17:05	MP94037-S1	99.3	103.252	109.751	106.218	98.689	105.865	101.692	99.726
17:10	MP94037-S1	101.03	101.941	106.528	102.898	100.279	105.431	100.668	101.384
17:14	ZZZZZZ	101.699	100.96	105.882	102.029	101.046	105.965	101.394	101.393
17:19	MA39541-CCVA9	99.998	98.967	102.955	99.408	98.489	102.563	99.065	99.074
17:24	MA39541-CCB9	98.462	96.846	102.48	99.546	96.767	101.81	100.073	98.126
17:29	MP94037-S2	96.517	99.6	107.192	103.265	96.434	106.331	100.465	96.922
17:33	MP94037-S2	100.78	100.737	105.444	101.955	100.288	105.229	99.892	100.316
17:38	ZZZZZZ	99.28	97.204	102.121	100.255	97.778	103.568	98.843	97.539

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
17:43	FA34294-1	98.795	101.023	107.074	103.911	96.84	106.014	101.232	97.237
17:48	ZZZZZZ	101.519	99.997	106.446	103.073	99.338	105.787	103.223	100.051
17:52	ZZZZZZ	101.578	100.441	104.637	100.215	100.659	106.545	100.203	100.375
17:57	ZZZZZZ	97.57	96.415	107.4	102.911	97.985	106.768	103.392	98.089
18:02	ZZZZZZ	103.601	101.996	107.437	104.961	102.998	106.202	104.355	102.155
18:07	ZZZZZZ	104.039	100.851	105.875	104.777	102.262	107.333	103.312	101.26
18:11	MA39541-CCVA10	104.103	102.034	106.44	104.278	101.271	106.024	102.063	101.378
18:16	MA39541-CCB10	103.638	100.849	107.3	106.122	100.86	107.615	104.897	101.55
18:21	ZZZZZZ	106.315	104.396	109.981	108.178	103.042	109.963	106.567	103.401
18:26	FA34260-1	102.114	103.839	106.49	104.602	100.671	105.743	101.882	100.827
18:31	FA34260-2	100.857	103.089	106.279	104.212	99.71	105.75	101.418	100.297
18:35	ZZZZZZ	102.501	102.986	109.701	106.16	100.396	107.571	102.81	100.418
18:40	ZZZZZZ	106.338	103.047	108.712	105.469	103.777	109.328	105.503	103.613
18:45	ZZZZZZ	103.529	101.938	107.204	104.818	102.632	107.854	104.396	101.673
18:50	MA39541-CCVA11	100.559	99.451	103.846	101.482	98.139	102.846	101.737	98.668
18:54	MA39541-CCB11	100.18	98.695	104.736	102.213	99.741	105.305	102.416	99.37
18:59	ZZZZZZ	100.917	100.268	106.353	102.9	101.792	106.92	102.698	101.801
19:04	ZZZZZZ	101.032	100.398	106.306	102.208	100.159	107.78	101.574	101.513
19:09	ZZZZZZ	97.511	99.383	105.186	101.863	95.798	102.987	98.43	97.054
19:13	ZZZZZZ	105.767	105.531	110.88	105.46	102.841	108.162	102.325	104.409
19:18	ZZZZZZ	108.891	105.865	112.839	109.803	104.88	114.575	108.93	105.733
19:23	ZZZZZZ	102.095	102.044	109.319	114.295	98.936	107.064	111.39	100.13
19:28	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:33	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:37	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:42	MA39541-CCVA12	No results reported for the elements associated with this internal standard.							
19:47	MA39541-CCB12	No results reported for the elements associated with this internal standard.							
19:52	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:56	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:01	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:11	MA39541-CCVA13	No results reported for the elements associated with this internal standard.							
20:16	MA39541-CCB13	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
20:20	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:25	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits	CCV/CCB Limits
Istd#1	Lithium	60-125 %	60-125 %
Istd#2	Scandium (45-1)	60-125 %	60-125 %
Istd#3	Scandium (45-2)	60-125 %	60-125 %
Istd#4	Scandium (45-3)	60-125 %	60-125 %
Istd#5	Germanium (72-1)	60-125 %	60-125 %
Istd#6	Germanium (72-2)	60-125 %	60-125 %
Istd#7	Germanium (72-3)	60-125 %	60-125 %
Istd#8	Germanium (74-1)	60-125 %	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
09:37	MA39541-STD1	100	100	100	100	100	100	100	100
09:42	MA39541-STD2	100	100	100	100	100	100	100	100
09:47	MA39541-STD3	100	100	100	100	100	100	100	100
09:52	MA39541-STD4	100.554	100.239	101.442	100.663	98.923	101.395	101.732	100.637
09:56	MA39541-STD5	101.596	101.356	100.407	100.564	100.482	100.672	101.027	100.911
10:01	MA39541-STD6	No results reported for the elements associated with this internal standard.							
10:06	MA39541-STD7	101.741	101.756	101.794	100.497	99.768	101.41	101.734	101.688
10:11	MA39541-STD8	103.661	100.401	101.691	101.488	98.624	102.356	102.462	102.04
10:15	MA39541-STD9	102.649	100.812	100.816	100.526	98.607	100.253	101.444	101.182
10:20	MA39541-STD10	102.136	99.394	100.518	100.51	98.052	101.604	102.245	100.598
10:25	MA39541-STD11	102.44	99.819	99.392	99.918	97.75	100.804	101.934	99.989
10:30	MA39541-STD12	101.922	99.002	99.068	99.137	95.786	100.506	100.715	100.997
10:34	MA39541-STD13	100.855	98.092	97.472	97.275	94.269	98.352	100.048	100.64
10:39	ZZZZZZ	102.49	99.768	100.505	100.664	98.943	100.682	101.563	99.477
10:44	MA39541-ICVA1	99.637	97.347	96.253	97	94.113	98.214	98.742	99.793
10:50	ZZZZZZ	101.611	98.792	98.878	100.326	97.636	99.639	101.455	99.386
10:58	MA39541-ICV1	103.324	100.193	99.341	101.148	98.512	99.388	102.945	98.657
11:03	MA39541-ICB1	102.037	99.334	99.831	101.378	98	100.873	102.36	99.947
11:08	MA39541-CCVA1	100.603	97.778	97.261	97.985	94.732	98.376	100.127	100.02
11:12	MA39541-CCB1	101.603	98.221	98.414	99.595	97.552	99.285	101.269	98.636
11:17	MA39541-CRIB1	101.524	99.857	99.463	100.515	97.484	99.903	101.682	98.779
11:22	MA39541-ICSA1	95.663	92.443	86.252	87.156	83.051	91.622	91.098	96.045
11:27	MA39541-ICSAB1	96.466	93.965	89.288	89.193	83.951	93.861	92.882	99.459
11:32	ZZZZZZ	99.732	97.323	98.799	99.808	96.203	100.383	101.837	101.239
11:36	MA39541-CCVA2	98.199	94.74	95.725	97.053	93.176	98.047	99.378	99.737
11:41	MA39541-CCB2	99.873	96.594	97.906	99.603	95.729	99.086	101.042	99.236
11:46	MP94023-MB1	99.939	100.672	95.309	96.574	95.244	96.659	96.815	98.138
11:51	MP94023-B1	98.869	97.008	97.053	98.772	95.094	99.499	100.591	100.136
11:55	MP94023-S1	107.423	103.672	90.227	93.637	91.107	95.87	102.709	100.226
12:00	MP94023-S2	113.102	107.401	95.804	97.444	93.127	101.16	107.73	103.163
12:05	ZZZZZZ	121.596	114.413	117.337	115.514	109.267	118.19	119.526	114.407
12:10	ZZZZZZ	114.173	110.6	109.906	112.467	107.579	110.989	114.239	108.715
12:15	FA34308-1	114.945	111.113	100.398	100.001	96.515	106.169	109.834	108.627

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
12:21	ZZZZZZ	117.273	111.624	113.121	113.778	108.678	114.886	117.435	112.256
12:25	ZZZZZZ	115.98	110.737	110.88	111.975	108.138	112.262	114.541	111.402
12:30	MA39541-CCVA3	117.861	108.551	106.989	114.666	103.199	109.472	116.289	110.666
12:35	MA39541-CCB3	113.421	110.821	108.527	110.77	107.388	110.003	112.455	109.246
12:40	MP94023-SD1	116.348	110.47	106.525	104.973	100.203	110.561	113.93	110.632
12:44	ZZZZZZ	112.465	107.486	107.454	109.891	104.569	107.965	111.824	106.973
12:49	ZZZZZZ	110.567	106.391	106.307	107.251	103.151	106.469	108.62	106.22
12:54	MA39541-CRIB2	109.356	106.965	104.431	107.234	104.233	105.896	109.554	104.461
12:59	MA39541-CCVA4	107.895	103.784	101.091	103.393	98.735	103.577	105.416	104.213
13:04	MA39541-CCB4	105.974	104.046	102.152	104.285	100.696	104.18	106.167	103.356
13:10	MP94024-MB1	109.258	109.82	100.89	103.551	101.09	102.321	103.184	102.758
13:15	MP94024-B1	112.51	105.973	105.689	107.272	102.102	107.811	111.068	106.79
13:20	MP94024-S1	109.821	104.55	103.046	104.815	100.333	105.379	108.236	104.338
13:25	MP94024-S2	108.155	103.132	102.178	103.645	98.66	104.025	108.235	102.751
13:30	ZZZZZZ	106.137	103.342	101.134	103.305	100.646	102.674	105.836	101.248
13:34	JC21042-1	106.19	106.402	96.15	98.393	96.316	99.171	99.85	100.753
13:39	MP94024-SD1	110.167	106.537	101.852	105.138	101.036	103.964	108.104	103.666
13:44	MP94024-PS1	103.672	104.799	94.81	96.801	95.144	97.561	98.191	99.833
13:49	ZZZZZZ	108.289	106.668	103.303	105.545	102.169	104.493	106.886	103.585
13:53	MA39541-CCVA5	107.149	103.827	100.599	102.993	98.74	102.492	105.389	103.166
13:58	MA39541-CCB5	107.964	105.109	102.117	104.889	101.081	103.24	107.438	103
14:03	ZZZZZZ	110.132	110.483	100.055	101.747	100.451	100.789	102.844	101.727
14:08	ZZZZZZ	103.955	104.09	96.305	99.015	95.504	99.069	99.883	102
14:12	ZZZZZZ	108.084	108.728	97.863	101.567	99.345	99.672	100.782	100.785
14:17	ZZZZZZ	110.382	110.266	100.16	102.98	100.628	101.192	102.326	102.96
14:22	ZZZZZZ	110.141	107.241	104.186	106.978	102.707	105.605	108.558	105.127
14:27	MA39541-CRIB3	108.172	105.886	103.714	106.192	101.775	104.921	107.899	104.114
14:32	MA39541-CCVA6	107.455	101.782	100.584	102.209	96.859	101.78	105.552	103.369
14:36	MA39541-CCB6	108.005	103.862	103.287	104.547	100.568	104.571	107.011	103.049
14:41	ZZZZZZ	108.338	104.718	103.164	105.794	101.169	104.693	107.428	103.402
14:46	MP93957A-MB1	107.646	105.061	101.853	104.062	100.208	102.926	105.375	101.675
14:51	MP93957A-B1	108.63	104.355	102.768	104.141	99.568	104.83	107.466	104.319
14:55	MP93957A-S1	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
15:00	MP93957A-S2	No results reported for the elements associated with this internal standard.							
15:05	ZZZZZZ	105.842	103.368	99.483	103.387	99.298	100.825	105.11	100.25
15:12	MP93957A-S1	110.351	102.69	101.423	103.762	98.055	103.418	108.931	102.882
15:17	MP93957A-S2	109.507	102.782	100.391	102.368	96.916	102.466	107.346	101.744
15:21	ZZZZZZ	105.659	102.936	100.167	103.052	98.743	101.614	105.277	100.195
15:26	MA39541-CCVA7	105.061	101.166	97.871	99.809	95.057	99.654	102.245	100.937
15:31	MA39541-CCB7	105.031	101.621	99.468	101.816	98.349	100.747	104.059	99.484
15:37	JC20777-13Q	110.235	105.559	101.112	103.433	100.54	103.153	108.881	101.492
15:42	MP93957A-SD1	109.896	101.93	100.208	102.465	96.335	102.571	108.26	100.874
15:47	MP93957A-PS1	110.616	104.05	100.654	102.98	97.633	102.754	108.88	101.998
15:51	ZZZZZZ	99.306	94.037	93.809	93.418	86.23	96.056	96.867	100.404
15:56	ZZZZZZ	103.156	97.359	96.043	97.599	91.098	97.26	99.848	101.118
16:01	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:06	ZZZZZZ	104.841	98.222	99.194	99.037	91.339	101.302	101.336	102.498
16:11	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:16	ZZZZZZ	107.802	102.126	102.568	104.915	99.644	103.845	106.807	100.815
16:20	MA39541-CCVA8	104.285	99.863	97.716	100.053	95.014	99.198	103.13	100.248
16:25	MA39541-CCB8	105.348	102.716	100.298	103.061	98.414	101.205	104.514	99.393
16:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:36	ZZZZZZ	105.074	99.538	98.469	98.667	92.631	100.52	102.267	102.215
16:41	ZZZZZZ	108.449	102.236	102.178	104.764	99.326	103.974	106.481	101.768
16:46	MA39541-CRIB4	108.014	103.927	102.31	103.989	100.209	103.086	106.375	101.406
16:50	MP94037-MB1	111.244	105.445	103.794	106.257	100.996	103.624	109.296	102.149
16:55	MP94037-B1	108.185	103.431	100.998	102.982	98.07	102.177	105.498	101.111
17:00	MP94037-B1	107.325	103.188	100.645	102.976	98.013	102.245	105.379	100.927
17:05	MP94037-S1	106.176	102.479	93.032	95.9	91.738	97.475	102.713	98.512
17:10	MP94037-S1	106.858	101.173	96.183	97.359	92.419	99.33	103.299	101.156
17:14	ZZZZZZ	106.301	101.721	101.391	103.178	98.511	102.272	106.254	102.094
17:19	MA39541-CCVA9	101.434	99.358	96.961	97.601	93.911	99.734	101.09	100.91
17:24	MA39541-CCB9	102.748	99.793	97.803	101.068	97.717	100.03	102.905	100.036
17:29	MP94037-S2	104.951	100.267	90.422	94.653	89.908	95.113	101.226	97.549
17:33	MP94037-S2	104.957	101.608	95.102	96.189	92.282	100.274	101.695	101.008
17:38	ZZZZZZ	102.813	99.577	97.21	99.796	96.66	99.517	102.368	98.977

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
17:43	FA34294-1	105.07	100.066	90.991	93.859	90.921	95.967	100.94	98.311
17:48	ZZZZZZ	106.424	102.075	96.824	100.931	96.151	100.691	105.372	101.441
17:52	ZZZZZZ	106.413	101.709	98.227	100.198	94.957	101.855	104.018	102.047
17:57	ZZZZZZ	106.026	102.019	94.756	101.965	95.485	97.473	105.776	97.448
18:02	ZZZZZZ	106.366	104.307	100.239	102.683	98.82	101.929	106.048	101.943
18:07	ZZZZZZ	106.684	103.612	101.246	104.729	99.39	102.195	105.802	103.286
18:11	MA39541-CCVA10	105.72	102.931	99.018	101.237	96.507	101.658	103.292	102.474
18:16	MA39541-CCB10	107.593	104.033	101.341	105.096	100.351	102.413	106.824	102.162
18:21	ZZZZZZ	109.12	106.164	101.284	104.3	100.193	103.965	107.631	103.492
18:26	FA34260-1	103.925	102.335	96.085	96.94	93.889	101.059	103.244	103.323
18:31	FA34260-2	105.701	101.164	96.362	96.824	93.078	101.886	102.809	103.09
18:35	ZZZZZZ	106.732	102.877	93.643	96.688	92.019	98.637	103.46	101.135
18:40	ZZZZZZ	109.61	104.825	102.46	104.789	100.183	103.894	107.824	102.658
18:45	ZZZZZZ	107.342	104.165	101.274	104.252	99.795	102.49	106.43	101.88
18:50	MA39541-CCVA11	104.12	101.331	97.337	99.079	94.74	99.762	102.31	100.486
18:54	MA39541-CCB11	105.445	102.482	98.628	102.169	98.208	101.355	104.841	100.229
18:59	ZZZZZZ	107.841	102.397	100.682	103.306	98.598	102.731	105.804	101.611
19:04	ZZZZZZ	106.791	102.301	98.175	101.238	96.268	100.251	104.001	100.107
19:09	ZZZZZZ	102.382	98.192	90.272	92.77	88.727	94.108	97.506	97.771
19:13	ZZZZZZ	108.154	102.218	95.796	97.256	91.776	100.411	103.212	103.683
19:18	ZZZZZZ	113.631	108.873	104.266	109.254	103.469	106.624	111.515	105.038
19:23	ZZZZZZ	107.746	111.833	93.382	96.074	98.939	97.673	102.669	100.568
19:28	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:33	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:37	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:42	MA39541-CCVA12	No results reported for the elements associated with this internal standard.							
19:47	MA39541-CCB12	No results reported for the elements associated with this internal standard.							
19:52	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:56	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:01	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:11	MA39541-CCVA13	No results reported for the elements associated with this internal standard.							
20:16	MA39541-CCB13	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
20:20	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:25	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits	CCV/CCB Limits
Istd#9	Germanium (74-2)	60-125 %	60-125 %
Istd#10	Germanium (74-3)	60-125 %	60-125 %
Istd#11	Rhodium (103-1)	60-125 %	60-125 %
Istd#12	Rhodium (103-2)	60-125 %	60-125 %
Istd#13	Rhodium (103-3)	60-125 %	60-125 %
Istd#14	Indium (115-1)	60-125 %	60-125 %
Istd#15	Indium (115-2)	60-125 %	60-125 %
Istd#16	Terbium (159-1)	60-125 %	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#17	Istd#18	Istd#19	Istd#20	Istd#21	Istd#22
09:37	MA39541-STD1	100	100	100	100	100	100
09:42	MA39541-STD2	100	100	100	100	100	100
09:47	MA39541-STD3	100	100	100	100	100	100
09:52	MA39541-STD4	101.849	100.221	100.498	102.087	101.437	100.844
09:56	MA39541-STD5	101.68	100.645	100.345	102.575	99.822	100.51
10:01	MA39541-STD6	No results reported for the elements associated with this internal standard.					
10:06	MA39541-STD7	102.54	100.719	100.927	102.372	102.104	101.647
10:11	MA39541-STD8	103.066	100.051	100.949	103.103	101.862	102.147
10:15	MA39541-STD9	102.84	99.793	100.568	102.945	100.351	102.035
10:20	MA39541-STD10	102.513	99.441	100.137	102.826	100.554	100.614
10:25	MA39541-STD11	103.079	99.053	99.094	102.725	99.073	100.234
10:30	MA39541-STD12	102.98	98.199	100.204	102.915	97.698	98.577
10:34	MA39541-STD13	101.695	97.541	99.429	102.342	96.666	96.409
10:39	ZZZZZZ	101.922	98.501	98.916	101.571	99.023	99.854
10:44	MA39541-ICVA1	100.347	97.1	99.122	100.621	96.825	97.264
10:50	ZZZZZZ	101.729	98.235	99.338	101.363	99.321	100.151
10:58	MA39541-ICV1	103.089	98.25	98.281	102.55	97.974	101.07
11:03	MA39541-ICB1	101.923	97.151	98.582	101.843	98.792	100.589
11:08	MA39541-CCVA1	101.845	97.225	99.37	101.819	96.991	97.364
11:12	MA39541-CCB1	101.534	96.788	97.858	101.14	98.18	99.698
11:17	MA39541-CRIB1	101.724	97.155	98.379	101.845	98.135	100.455
11:22	MA39541-ICSA1	96.4	88.671	96.042	96.781	88.698	87.308
11:27	MA39541-ICSAB1	99.152	90.444	99.207	99.288	91.095	89.701
11:32	ZZZZZZ	102.466	97.369	101.313	102.745	100.455	100.78
11:36	MA39541-CCVA2	102.284	95.963	99.755	102.66	97.949	98.429
11:41	MA39541-CCB2	103.288	97.091	99.086	102.816	99.461	101.198
11:46	MP94023-MB1	100.126	96.472	97.947	100.057	99.54	99.021
11:51	MP94023-B1	102.9	97.346	100.699	102.441	99.677	99.566
11:55	MP94023-S1	104.222	98.183	99.678	104.718	88.887	91.013
12:00	MP94023-S2	107.059	98.652	103.097	107.231	91.325	93.675
12:05	ZZZZZZ	115.619	106.89	113.248	115.244	112.321	112.69
12:10	ZZZZZZ	113.261	106.67	108.84	113.085	109.461	110.853
12:15	FA34308-1	108.849	101.239	108.526	109.054	95.885	95.387

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#17	Istd#18	Istd#19	Istd#20	Istd#21	Istd#22
12:21	ZZZZZZ	114.771	107.707	111.847	114.567	110.709	112.512
12:25	ZZZZZZ	113.657	107.251	109.732	113.378	109.109	112.157
12:30	MA39541-CCVA3	118.766	105.082	110.225	118.572	107.128	112.633
12:35	MA39541-CCB3	111.945	106.688	108.538	112.188	107.403	110.068
12:40	MP94023-SD1	111.492	103.247	109.43	111.372	97.634	103.868
12:44	ZZZZZZ	110.688	103.354	106.383	110.552	105.151	108.374
12:49	ZZZZZZ	108.89	102.336	105.129	108.186	104.158	106.278
12:54	MA39541-CRIB2	108.448	102.912	103.756	107.556	104.201	106.128
12:59	MA39541-CCVA4	107.892	100.874	104.139	108.093	101.155	102.466
13:04	MA39541-CCB4	105.793	99.339	102.341	105.384	101.042	103.742
13:10	MP94024-MB1	105.247	100.786	101.65	105.188	102.843	103.967
13:15	MP94024-B1	109.376	101.825	106.061	109.673	102.689	107.406
13:20	MP94024-S1	107.697	100.297	103.887	107.41	100.98	105.22
13:25	MP94024-S2	106.172	99.475	102.382	106.116	99.328	103.073
13:30	ZZZZZZ	105.377	99.284	102.521	104.844	100.588	103.175
13:34	JC21042-1	103.167	98.172	100.494	102.921	99.022	99.576
13:39	MP94024-SD1	107.756	100.899	104.028	107.433	102.483	105.146
13:44	MP94024-PS1	102.185	97.451	99.615	102.069	96.548	96.431
13:49	ZZZZZZ	106.848	100.556	103.487	106.605	101.862	104.118
13:53	MA39541-CCVA5	105.87	99.615	103.054	106.329	99.708	100.897
13:58	MA39541-CCB5	105.925	99.528	102.258	105.661	101.66	103.801
14:03	ZZZZZZ	104.212	100.22	102.04	103.679	101.615	101.966
14:08	ZZZZZZ	103.557	97.594	102.29	103.977	98.97	99.789
14:12	ZZZZZZ	103.692	98.629	99.879	103.396	99.844	100.958
14:17	ZZZZZZ	105.163	99.816	102.971	105.534	102.059	102.665
14:22	ZZZZZZ	108.12	101.455	104.738	108.172	103.45	105.914
14:27	MA39541-CRIB3	106.386	100.571	103.556	106.698	102.151	104.54
14:32	MA39541-CCVA6	106.129	97.551	103.116	105.747	99.565	101.135
14:36	MA39541-CCB6	106.071	99.264	102.606	105.483	101.923	103.577
14:41	ZZZZZZ	106.356	99.28	101.907	105.988	102.449	103.4
14:46	MP93957A-MB1	105.402	99.261	101.515	104.998	102.45	104.233
14:51	MP93957A-B1	106.516	99.019	102.742	106.84	100.928	103.867
14:55	MP93957A-S1	No results reported for the elements associated with this internal standard.					

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#17	Istd#18	Istd#19	Istd#20	Istd#21	Istd#22
15:00	MP93957A-S2	No results reported for the elements associated with this internal standard.					
15:05	ZZZZZZ	104.314	98.216	99.293	104.053	98.888	101.932
15:12	MP93957A-S1	106.99	97.547	103.091	106.894	94.009	103.518
15:17	MP93957A-S2	105.646	97.319	100.771	105.838	92.741	102.845
15:21	ZZZZZZ	103.934	96.955	99.938	103.264	98.358	101.578
15:26	MA39541-CCVA7	103.817	96.209	100.647	103.263	96.724	98.583
15:31	MA39541-CCB7	103.639	97.007	99.555	103.233	98.626	100.993
15:37	JC20777-13Q	104.727	99.958	101.495	105.896	91.915	104.015
15:42	MP93957A-SD1	104.334	95.355	100.508	104.613	77.197	98.051
15:47	MP93957A-PS1	105.518	97.064	100.896	105.459	92.02	102.921
15:51	ZZZZZZ	101.912	90.69	102.803	104.437	93.166	93.667
15:56	ZZZZZZ	103.05	93.467	101.562	105.254	95.857	97.234
16:01	ZZZZZZ	No results reported for the elements associated with this internal standard.					
16:06	ZZZZZZ	103.837	93.081	103.718	105.465	96.721	96.929
16:11	ZZZZZZ	No results reported for the elements associated with this internal standard.					
16:16	ZZZZZZ	104.582	96.34	100.945	103.763	99.212	100.698
16:20	MA39541-CCVA8	103.21	95.033	99.011	102.745	95.085	98.218
16:25	MA39541-CCB8	103.631	96.603	98.933	103.622	98.365	101.868
16:30	ZZZZZZ	No results reported for the elements associated with this internal standard.					
16:36	ZZZZZZ	104.306	94.592	102.96	106.213	97.055	97.808
16:41	ZZZZZZ	105.279	97.002	100.572	104.513	98.787	102.053
16:46	MA39541-CRIB4	105.373	97.715	101.448	104.953	99.754	102.857
16:50	MP94037-MB1	106.295	98.177	102.025	106.681	100.745	104.514
16:55	MP94037-B1	104.612	97.402	100.734	104.75	99.04	101.074
17:00	MP94037-B1	104.215	97.522	99.992	104.314	98.492	101.664
17:05	MP94037-S1	104.225	96.333	98.756	104.206	90.293	93.574
17:10	MP94037-S1	104.008	96.339	100.556	104.06	94.722	96.204
17:14	ZZZZZZ	104.596	97.452	101.401	105.136	100.129	102.441
17:19	MA39541-CCVA9	102.74	96.12	100.829	102.974	96.419	98.061
17:24	MA39541-CCB9	102.435	96.612	99.556	103.048	98.698	100.988
17:29	MP94037-S2	103.032	94.98	97.317	103.434	89.229	92.868
17:33	MP94037-S2	102.557	95.967	100.98	102.908	93.971	95.016
17:38	ZZZZZZ	101.849	95.913	97.864	102.01	97.565	99.522

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#17	Istd#18	Istd#19	Istd#20	Istd#21	Istd#22
17:43	FA34294-1	101.824	95.801	97.804	102.524	90.394	92.98
17:48	ZZZZZZ	105.359	98.165	101.15	105.348	96.967	100.592
17:52	ZZZZZZ	104.614	95.925	101.012	104.347	98.758	100.062
17:57	ZZZZZZ	105.6	96.613	97.497	105.826	95.674	102.162
18:02	ZZZZZZ	105.005	97.95	102.179	106.081	100.868	102.804
18:07	ZZZZZZ	105.109	97.796	102.013	105.065	101.053	101.925
18:11	MA39541-CCVA10	105.134	98.026	102.676	104.881	98.388	99.656
18:16	MA39541-CCB10	105.673	98.67	101.591	105.587	100.149	102.701
18:21	ZZZZZZ	107.616	100.138	103.868	107.104	101.557	103.32
18:26	FA34260-1	104.225	98.264	102.887	104.599	96.662	97.1
18:31	FA34260-2	103.942	96.779	102.785	104.359	96.194	96.921
18:35	ZZZZZZ	104.386	96.73	101.057	104.826	92.224	94.754
18:40	ZZZZZZ	105.794	98.193	102.418	105.224	100.754	102.396
18:45	ZZZZZZ	105.065	97.588	100.769	104.62	98.468	101.485
18:50	MA39541-CCVA11	103.181	96.354	100.953	103.716	96.285	97.858
18:54	MA39541-CCB11	103.882	96.801	100.053	103.343	98.144	100.593
18:59	ZZZZZZ	104.229	96.677	100.76	103.655	99.528	102.189
19:04	ZZZZZZ	103.737	95.931	99.589	103.408	96.824	99.195
19:09	ZZZZZZ	100.464	93.267	98.235	100.733	88.48	89.924
19:13	ZZZZZZ	105.716	96.193	103.671	105.237	94.033	94.254
19:18	ZZZZZZ	110.246	101.624	104.038	109.877	102.398	106.599
19:23	ZZZZZZ	103.826	104.285	99.686	104.293	90.665	93.929
19:28	ZZZZZZ	No results reported for the elements associated with this internal standard.					
19:33	ZZZZZZ	No results reported for the elements associated with this internal standard.					
19:37	ZZZZZZ	No results reported for the elements associated with this internal standard.					
19:42	MA39541-CCVA12	No results reported for the elements associated with this internal standard.					
19:47	MA39541-CCB12	No results reported for the elements associated with this internal standard.					
19:52	ZZZZZZ	No results reported for the elements associated with this internal standard.					
19:56	ZZZZZZ	No results reported for the elements associated with this internal standard.					
20:01	ZZZZZZ	No results reported for the elements associated with this internal standard.					
20:06	ZZZZZZ	No results reported for the elements associated with this internal standard.					
20:11	MA39541-CCVA13	No results reported for the elements associated with this internal standard.					
20:16	MA39541-CCB13	No results reported for the elements associated with this internal standard.					

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
Analyst: JO Run ID: MA39541
Parameters: Sb,As,Be,Cd,Cr,Cu,Fe,Pb,Mn,Ni,Se,Ag,Tl,Zn

Time	Sample Description	Istd#17	Istd#18	Istd#19	Istd#20	Istd#21	Istd#22
20:20	ZZZZZZ	No results reported for the elements associated with this internal standard.					
20:25	ZZZZZZ	No results reported for the elements associated with this internal standard.					
20:30	ZZZZZZ	No results reported for the elements associated with this internal standard.					

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits	CCV/CCB Limits
Istd#17	Terbium (159-2)	60-125 %	60-125 %
Istd#18	Terbium (159-3)	60-125 %	60-125 %
Istd#19	Holmium (165-1)	60-125 %	60-125 %
Istd#20	Holmium (165-2)	60-125 %	60-125 %
Istd#21	Bismuth (209-1)	60-125 %	60-125 %
Istd#22	Bismuth (209-2)	60-125 %	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: result < LOD Run ID: MA39541 Units: ug/l

Time:				11:03		11:12		11:41	
Sample ID:				ICB1		CCB1		CCB2	
Metal	RL	IDL	LOD	raw	final	raw	final	raw	final
Aluminum	25	.32	20						
Antimony	2.0	.1	0.50	0.067	<2.0	0.076	<2.0	0.029	<2.0
Arsenic	0.50	.035	0.45	-0.00071	<1.5	-0.00021	<1.5	0.00023	<1.5
Barium	1.0	.033	0.50						
Beryllium	0.50	.008	0.25	0.0011	<0.50	0.0060	<0.50	0.0057	<0.50
Boron	25	1.5	5.0						
Cadmium	0.50	.01	0.30	-0.0013	<3.0	0.0011	<3.0	0.0024	<3.0
Calcium	250	9.7	50						
Chromium	1.0	.016	0.50	-0.011	<4.0	-0.013	<4.0	-0.015	<4.0
Cobalt	0.50	.002	0.25						
Copper	2.0	.02	1.0	0.078	<5.0	0.070	<5.0	0.079	<5.0
Iron	25	.18	13	0.076	<25	0.55	<25	0.96	<25
Lead	0.50	.007	0.25	-0.0012	<1.5	0.0031	<1.5	0.0089	<1.5
Magnesium	250	.28	130						
Manganese	1.0	.014	0.50	0.0087	<2.0	0.0075	<2.0	0.015	<2.0
Molybdenum	1.0	.016	0.50						
Nickel	1.0	.016	1.0	0.0079	<4.0	0.019	<4.0	0.014	<4.0
Potassium	250	3.3	50						
Selenium	0.50	.03	0.50	0.014	<1.0	0.010	<1.0	0.025	<1.0
Silver	0.50	.006	0.25	0.0019	<1.0	0.0070	<1.0	0.0061	<1.0
Sodium	250	1.4	50						
Strontium	5.0	.01	2.5						
Thallium	0.50	.015	0.35	0.0045	<1.0	0.045	<1.0	0.046	<1.0
Tin	5.0	.027	2.5						
Titanium	1.0	.061	0.50						
Vanadium	1.0	.062	0.50						
Zinc	5.0	.11	1.5	-0.055	<10	-0.031	<10	-0.018	<10

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: result < LOD Run ID: MA39541 Units: ug/l

Time:				12:35		13:04		13:58	
Sample ID:				CCB3		CCB4		CCB5	
Metal	RL	IDL	LOD	raw	final	raw	final	raw	final
Aluminum	25	.32	20						
Antimony	2.0	.1	0.50	-0.0033	<2.0	0.0013	<2.0	0.071	<2.0
Arsenic	0.50	.035	0.45	0.0077	<0.50	0.0043	<0.50	0.036	<1.5
Barium	1.0	.033	0.50						
Beryllium	0.50	.008	0.25	0.0076	<0.50	0.0072	<0.50	0.0012	<0.50
Boron	25	1.5	5.0						
Cadmium	0.50	.01	0.30	-0.0018	<0.50	0.00079	<0.50	0.00071	<3.0
Calcium	250	9.7	50						
Chromium	1.0	.016	0.50	-0.027	<1.0	-0.025	<1.0	-0.029	<4.0
Cobalt	0.50	.002	0.25						
Copper	2.0	.02	1.0	0.080	<2.0	0.077	<2.0	0.062	<5.0
Iron	25	.18	13	0.54	<25	0.46	<25	0.50	<25
Lead	0.50	.007	0.25	0.011	<0.50	0.0079	<0.50	0.011	<1.5
Magnesium	250	.28	130						
Manganese	1.0	.014	0.50	0.012	<1.0	0.0083	<1.0	0.0097	<2.0
Molybdenum	1.0	.016	0.50						
Nickel	1.0	.016	1.0	0.0019	<1.0	0.0062	<1.0	0.012	<4.0
Potassium	250	3.3	50						
Selenium	0.50	.03	0.50	0.012	<0.50	0.014	<0.50	0.026	<1.0
Silver	0.50	.006	0.25	0.0071	<0.50	0.0087	<0.50	0.0095	<1.0
Sodium	250	1.4	50						
Strontium	5.0	.01	2.5						
Thallium	0.50	.015	0.35	0.040	<0.50	0.037	<0.50	0.047	<1.0
Tin	5.0	.027	2.5						
Titanium	1.0	.061	0.50						
Vanadium	1.0	.062	0.50						
Zinc	5.0	.11	1.5	-0.020	<5.0	-0.0098	<5.0	0.026	<10

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: result < LOD Run ID: MA39541 Units: ug/l

Time:				14:36		15:31		16:25	
Sample ID:				CCB6		CCB7		CCB8	
Metal	RL	IDL	LOD	raw	final	raw	final	raw	final
Aluminum	25	.32	20						
Antimony	2.0	.1	0.50	0.075	<2.0	0.22	<2.0	0.20	<2.0
Arsenic	0.50	.035	0.45	0.015	<1.5	0.017	<1.5	0.0033	<1.5
Barium	1.0	.033	0.50						
Beryllium	0.50	.008	0.25	0.0035	<0.50	0.0066	<0.50	0.0049	<0.50
Boron	25	1.5	5.0						
Cadmium	0.50	.01	0.30	0.00076	<3.0	0.00096	<3.0	-0.0050	<3.0
Calcium	250	9.7	50						
Chromium	1.0	.016	0.50	-0.028	<4.0	-0.023	<4.0	-0.027	<4.0
Cobalt	0.50	.002	0.25						
Copper	2.0	.02	1.0	0.059	<5.0	0.070	<5.0	0.084	<5.0
Iron	25	.18	13	0.50	<25	0.63	<25	0.91	<25
Lead	0.50	.007	0.25	0.0090	<1.5	0.017	<1.5	0.016	<1.5
Magnesium	250	.28	130						
Manganese	1.0	.014	0.50	0.018	<2.0	0.010	<2.0	0.019	<2.0
Molybdenum	1.0	.016	0.50						
Nickel	1.0	.016	1.0	0.011	<4.0	0.014	<4.0	0.015	<4.0
Potassium	250	3.3	50						
Selenium	0.50	.03	0.50	0.024	<1.0	0.023	<1.0	0.0029	<1.0
Silver	0.50	.006	0.25	0.0087	<1.0	0.0068	<1.0	0.0065	<1.0
Sodium	250	1.4	50						
Strontium	5.0	.01	2.5						
Thallium	0.50	.015	0.35	0.043	<1.0	0.050	<1.0	0.039	<1.0
Tin	5.0	.027	2.5						
Titanium	1.0	.061	0.50						
Vanadium	1.0	.062	0.50						
Zinc	5.0	.11	1.5	0.058	<10	-0.0022	<10	0.018	<10

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: result < LOD Run ID: MA39541 Units: ug/l

Time:				17:24		18:16		18:54	
Sample ID:				CCB9		CCB10		CCB11	
Metal	RL	IDL	LOD	raw	final	raw	final	raw	final
Aluminum	25	.32	20						
Antimony	2.0	.1	0.50	0.15	<2.0	0.071	<2.0	0.0073	<2.0
Arsenic	0.50	.035	0.45	0.020	<1.0	0.022	<1.0	0.0082	<1.0
Barium	1.0	.033	0.50						
Beryllium	0.50	.008	0.25	0.0064	<0.50	0.0017	<0.50	0.0058	<0.50
Boron	25	1.5	5.0						
Cadmium	0.50	.01	0.30	0.0034	<0.50	-0.0039	<0.50	0.00088	<0.50
Calcium	250	9.7	50						
Chromium	1.0	.016	0.50	-0.025	<4.0	-0.027	<4.0	-0.021	<4.0
Cobalt	0.50	.002	0.25						
Copper	2.0	.02	1.0	0.10	<4.0	0.074	<4.0	0.080	<4.0
Iron	25	.18	13	0.79	<50	0.73	<50	0.71	<50
Lead	0.50	.007	0.25	0.016	<0.50	0.014	<0.50	0.019	<0.50
Magnesium	250	.28	130						
Manganese	1.0	.014	0.50	0.013	<1.0	0.018	<1.0	0.016	<1.0
Molybdenum	1.0	.016	0.50						
Nickel	1.0	.016	1.0	0.0093	<4.0	0.0041	<4.0	0.0087	<4.0
Potassium	250	3.3	50						
Selenium	0.50	.03	0.50	0.010	<1.0	0.0074	<1.0	0.013	<1.0
Silver	0.50	.006	0.25	0.012	<2.0	0.0064	<2.0	0.0071	<2.0
Sodium	250	1.4	50						
Strontium	5.0	.01	2.5						
Thallium	0.50	.015	0.35	0.046	<0.50	0.041	<0.50	0.032	<0.50
Tin	5.0	.027	2.5						
Titanium	1.0	.061	0.50						
Vanadium	1.0	.062	0.50						
Zinc	5.0	.11	1.5	0.048	<10	0.017	<10	0.053	<10

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39541 Units: ug/l

Time:		10:44			10:58			11:08	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	60	60.5	100.8				50	52.6	105.2
Arsenic	60	59.0	98.3				50	50.4	100.8
Barium	anr								
Beryllium	60	58.2	97.0				50	50.5	101.0
Boron									
Cadmium	60	57.8	96.3				50	50.1	100.2
Calcium									
Chromium	60	57.2	95.3				50	49.6	99.2
Cobalt	anr								
Copper	60	56.7	94.5				50	49.8	99.6
Iron	5500	5360	97.5				5000	5240	104.8
Lead	60	58.3	97.2				50	50.8	101.6
Magnesium									
Manganese	60	57.6	96.0				50	50.2	100.4
Molybdenum									
Nickel	60	57.4	95.7				50	49.8	99.6
Potassium									
Selenium	60	58.1	96.8				50	51.8	103.6
Silver	60	59.0	98.3				50	51.3	102.6
Sodium									
Strontium									
Thallium	60	59.7	99.5				50	50.5	101.0
Tin									
Titanium									
Vanadium	anr								
Zinc	60	55.3	92.2				50	48.2	96.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39541 Units: ug/l

Time:		11:36			12:30			12:59	
Sample ID:	CCVA	CCVA2		CCVA	CCVA3		CCVA	CCVA4	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	50	51.9	103.8	50	52.1	104.2	50	52.8	105.6
Arsenic	50	50.1	100.2	50	47.5	95.0	50	50.3	100.6
Barium	anr								
Beryllium	50	49.8	99.6	50	50.5	101.0	50	50.3	100.6
Boron									
Cadmium	50	49.6	99.2	50	47.4	94.8	50	49.5	99.0
Calcium									
Chromium	50	48.8	97.6	50	46.3	92.6	50	48.7	97.4
Cobalt	anr								
Copper	50	48.6	97.2	50	45.7	91.4	50	48.1	96.2
Iron	5000	5190	103.8	5000	4930	98.6	5000	5190	103.8
Lead	50	49.9	99.8	50	49.7	99.4	50	50.0	100.0
Magnesium									
Manganese	50	49.6	99.2	50	46.4	92.8	50	48.7	97.4
Molybdenum									
Nickel	50	48.7	97.4	50	45.9	91.8	50	48.4	96.8
Potassium									
Selenium	50	50.7	101.4	50	50.1	100.2	50	49.8	99.6
Silver	50	49.7	99.4	50	49.6	99.2	50	49.4	98.8
Sodium									
Strontium									
Thallium	50	49.6	99.2	50	49.7	99.4	50	49.6	99.2
Tin									
Titanium									
Vanadium	anr								
Zinc	50	48.0	96.0	50	45.1	90.2	50	47.3	94.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39541 Units: ug/l

Time:		13:53			14:32			15:26	
Sample ID:	CCVA	CCVA5		CCVA	CCVA6		CCVA	CCVA7	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	50	52.9	105.8	50	52.4	104.8	50	53.3	106.6
Arsenic	50	49.0	98.0	50	49.6	99.2	50	49.3	98.6
Barium	anr								
Beryllium	50	49.4	98.8	50	49.8	99.6	50	49.8	99.6
Boron									
Cadmium	50	49.5	99.0	50	48.8	97.6	50	50.0	100.0
Calcium									
Chromium	50	48.1	96.2	50	48.6	97.2	50	48.2	96.4
Cobalt	anr								
Copper	50	47.0	94.0	50	47.9	95.8	50	47.1	94.2
Iron	5000	5130	102.6	5000	5190	103.8	5000	5210	104.2
Lead	50	50.2	100.4	50	49.8	99.6	50	50.2	100.4
Magnesium									
Manganese	50	48.2	96.4	50	48.3	96.6	50	48.9	97.8
Molybdenum									
Nickel	50	47.3	94.6	50	47.8	95.6	50	47.5	95.0
Potassium									
Selenium	50	49.5	99.0	50	50.7	101.4	50	49.4	98.8
Silver	50	49.9	99.8	50	49.9	99.8	50	50.1	100.2
Sodium									
Strontium									
Thallium	50	49.7	99.4	50	49.7	99.4	50	50.0	100.0
Tin									
Titanium									
Vanadium	anr								
Zinc	50	46.0	92.0	50	46.7	93.4	50	46.1	92.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39541 Units: ug/l

Time:		16:20			17:19			18:11	
Sample ID:	CCVA	CCVA8		CCVA	CCVA9		CCVA	CCVA10	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	50	52.2	104.4	50	52.3	104.6	50	52.4	104.8
Arsenic	50	49.6	99.2	50	49.6	99.2	50	49.4	98.8
Barium	anr								
Beryllium	50	50.0	100.0	50	49.4	98.8	50	48.8	97.6
Boron									
Cadmium	50	48.9	97.8	50	48.8	97.6	50	50.1	100.2
Calcium									
Chromium	50	48.3	96.6	50	48.0	96.0	50	48.2	96.4
Cobalt	anr								
Copper	50	47.5	95.0	50	47.0	94.0	50	47.1	94.2
Iron	5000	5220	104.4	5000	5230	104.6	5000	5280	105.6
Lead	50	50.1	100.2	50	50.0	100.0	50	49.4	98.8
Magnesium									
Manganese	50	48.5	97.0	50	48.2	96.4	50	49.1	98.2
Molybdenum									
Nickel	50	47.7	95.4	50	47.4	94.8	50	47.6	95.2
Potassium									
Selenium	50	49.4	98.8	50	48.5	97.0	50	49.0	98.0
Silver	50	50.0	100.0	50	49.1	98.2	50	48.7	97.4
Sodium									
Strontium									
Thallium	50	49.8	99.6	50	50.0	100.0	50	49.1	98.2
Tin									
Titanium									
Vanadium	anr								
Zinc	50	46.5	93.0	50	48.4	96.8	50	47.2	94.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39541 Units: ug/l

Time:		18:50	
Sample ID:	CCVA	CCVA11	
Metal	True	Results	% Rec
Aluminum			
Antimony	50	53.2	106.4
Arsenic	50	51.3	102.6
Barium	anr		
Beryllium	50	49.8	99.6
Boron			
Cadmium	50	49.8	99.6
Calcium			
Chromium	50	49.2	98.4
Cobalt	anr		
Copper	50	48.1	96.2
Iron	5000	5360	107.2
Lead	50	50.1	100.2
Magnesium			
Manganese	50	49.5	99.0
Molybdenum			
Nickel	50	48.5	97.0
Potassium			
Selenium	50	49.5	99.0
Silver	50	49.7	99.4
Sodium			
Strontium			
Thallium	50	49.9	99.8
Tin			
Titanium			
Vanadium	anr		
Zinc	50	47.7	95.4

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 80 to 120 % Recovery Run ID: MA39541 Units: ug/l

Time:		11:17		12:54		14:27		16:46	
Sample ID:	CRIB	CRIB1		CRIB2		CRIB3		CRIB4	
Metal	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	25								
Antimony	2.0	2.3	115.0	2.2	110.0	2.2	110.0	2.2	110.0
Arsenic	0.50	0.46	92.0	0.46	92.0	0.46	92.0	0.47	94.0
Barium	1.0								
Beryllium	0.50	0.49	98.0	0.44	88.0	0.47	94.0	0.48	96.0
Boron	25								
Cadmium	0.50	0.45	90.0	0.46	92.0	0.46	92.0	0.49	98.0
Calcium	250								
Chromium	1.0	0.93	93.0	0.93	93.0	0.93	93.0	0.92	92.0
Cobalt	0.50								
Copper	2.0	2.0	100.0	2.1	105.0	2.1	105.0	2.0	100.0
Iron	25	23.5	94.0	23.9	95.6	23.5	94.0	24.3	97.2
Lead	0.50	0.47	94.0	0.45	90.0	0.48	96.0	0.46	92.0
Magnesium	250								
Manganese	0.50	0.46	92.0	0.47	94.0	0.50	100.0	0.51	102.0
Molybdenum	1.0								
Nickel	1.0	1.0	100.0	0.96	96.0	0.96	96.0	0.98	98.0
Potassium	250								
Selenium	0.50	0.52	104.0	0.53	106.0	0.51	102.0	0.48	96.0
Silver	0.50	0.49	98.0	0.50	100.0	0.48	96.0	0.47	94.0
Sodium	250								
Strontium	5.0								
Thallium	0.50	0.47	94.0	0.46	92.0	0.47	94.0	0.46	92.0
Tin	5.0								
Titanium	1.0								
Vanadium	1.0								
Zinc	5.0	4.8	96.0	4.4	88.0	5.3	106.0	5.2	104.0

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XA060116M1L.CSV Date Analyzed: 06/01/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 80 to 120 % Recovery Run ID: MA39541 Units: ug/l

Time:			11:22		11:27	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	100000	100000	95900	95.9	94200	94.2
Antimony			0.17		0.098	
Arsenic		20	0.064		19.3	96.5
Barium			0.24		0.25	
Beryllium			0.024		0.026	
Boron			4.8		3.2	
Cadmium		20	0.47		19.3	96.5
Calcium	100000	100000	97900	97.9	96200	96.2
Chromium		20	1.2		19.7	98.5
Cobalt		20	0.096		18.1	90.5
Copper		20	1.6		18.8	94.0
Iron	100000	100000	90700	90.7	88500	88.5
Lead			0.24		0.24	
Magnesium	100000	100000	94800	94.8	92900	92.9
Manganese		20	0.51		19.4	97.0
Molybdenum	2000	2000	2170	108.5	2090	104.5
Nickel		20	0.75		18.3	91.5
Potassium	100000	100000	96900	96.9	96400	96.4
Selenium		20	0.056		18.7	93.5
Silver		20	0.087		18.7	93.5
Sodium	100000	100000	99100	99.1	97700	97.7
Strontium	2000	2000	2170	108.5	2120	106.0
Thallium			0.011		0.012	
Tin	2000	2000	1960	98.0	1920	96.0
Titanium	2000	2000	2030	101.5	1990	99.5
Vanadium		20	-0.015		21.4	107.0
Zinc		20	1.5		17.5	87.5

(*) Outside of QC limits
(anr) Analyte not requested

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:37	MA39591-STD1	1		STDA
14:41	MA39591-STD2	1		STDA
14:46	MA39591-STD3	1		STDA
14:50	MA39591-STD4	1		STDB
14:54	MA39591-STD5	1		STDC
14:59	MA39591-STD6	1		STDD
15:03	MA39591-STD7	1		STDE
15:08	MA39591-STD8	1		STDF
15:12	MA39591-STD9	1		STDG
15:17	MA39591-STD10	1		STDH
15:21	MA39591-STD11	1		STDI
15:25	MA39591-STD12	1		STDJ
15:32	ZZZZZZ	1		
15:36	MA39591-ICVA1	1		
15:40	MA39591-ICV1	1		60ppb Al.
15:45	MA39591-ICB1	1		
15:49	MA39591-CRI1	1		
15:54	MA39591-CCVA1	1		
15:58	MA39591-CCB1	1		
16:03	MP94128-MB1	1		
16:07	MP94128-B1	1		AG needs dilution
16:12	MP94128-S1	1		
16:16	MP94128-S2	1		
16:21	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:34	FA34373-1	1		(sample used for QC only; not part of login FA34260)
16:39	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:48	MA39591-CCVA2	1		
16:52	MA39591-CCB2	1		
16:57	ZZZZZZ	1		
17:01	ZZZZZZ	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:05	ZZZZZZ	1		
17:10	ZZZZZZ	1		
17:14	ZZZZZZ	1		
17:19	ZZZZZZ	1		
17:23	MA39591-CCVA3	1		
17:28	MA39591-CCB3	1		
17:32	ZZZZZZ	1		
17:36	MP94037-S1	1		overrange
17:41	MP94037-S2	1		overrange
17:45	FA34294-1	1		(sample used for QC only; not part of login FA34260)
17:50	ZZZZZZ	1		
17:54	ZZZZZZ	1		
17:59	ZZZZZZ	1		
18:03	MP94038-S1	1		
18:08	MP94038-S2	1		
18:12	ZZZZZZ	1		
18:17	MA39591-CCVA4	1		
18:21	MA39591-CCB4	1		
18:25	JC21005-9	1		(sample used for QC only; not part of login FA34260)
18:30	ZZZZZZ	50		
18:34	ZZZZZZ	25		
18:39	ZZZZZZ	250		
18:43	ZZZZZZ	250		
18:48	ZZZZZZ	1		
18:52	ZZZZZZ	25		
18:56	MA39591-CCVA5	1		
19:01	MA39591-CCB5	1		
19:05	MP94037-S1	2		
19:10	MP94037-S2	2		
----------> Last reportable sample/prep for job FA34260				
19:14	FA34294-1	2		(sample used for QC only; not part of login FA34260)
19:19	ZZZZZZ	2		
19:23	ZZZZZZ	1		
19:28	MA39591-CCVA6	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	19:32	MA39591-CCB6	1		
---------->	Last reportable CCB for job FA34260				
	19:36	MP94083-MB1	1		
	19:41	MP94083-B1	1		
	19:45	MP94083-S1	1		
	19:50	MP94083-S2	1		
	19:54	ZZZZZZ	1		
	19:59	JC21005-10	1		(sample used for QC only; not part of login FA34260)
	20:03	ZZZZZZ	1		
	20:08	ZZZZZZ	1		
	20:12	ZZZZZZ	1		
	20:17	MA39591-CCVA7	1		
	20:21	MA39591-CCB7	1		
	20:25	ZZZZZZ	10		
	20:30	ZZZZZZ	1		
	20:34	ZZZZZZ	1		
	20:39	ZZZZZZ	1		
	20:43	ZZZZZZ	1		
	20:48	MP94092-MB1	1		
	20:52	MP94092-B1	1		
	20:57	MP94092-B1	2		
	21:01	MA39591-CCVA8	1		
	21:05	MA39591-CCB8	1		
	21:10	MP94092-S1	1		
	21:14	MP94092-S1	2		Ag
	21:19	MP94092-S2	1		
	21:23	MP94092-S2	2		
	21:28	ZZZZZZ	1		
	21:32	JC21346-1	1		(sample used for QC only; not part of login FA34260)
	21:36	ZZZZZZ	1		
	21:41	ZZZZZZ	1		
	21:45	ZZZZZZ	1		
	21:50	MA39591-CCVA9	1		
	21:54	MA39591-CCB9	1		

SGS Accutest Instrument Runlog
Inorganics Analyses

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:59	ZZZZZZ	1		
22:03	ZZZZZZ	1		
22:08	ZZZZZZ	1		
22:12	ZZZZZZ	1		
22:16	ZZZZZZ	1		
22:21	ZZZZZZ	1		
22:25	ZZZZZZ	1		
22:30	MA39591-CCVA10	1		
22:34	MA39591-CCB10	1		
22:39	MP94128-MB2	1		
22:43	MP94128-B2	1		
22:47	MP94128-B2	2		
22:52	ZZZZZZ	10		
22:56	ZZZZZZ	10		
23:01	ZZZZZZ	10		
23:05	ZZZZZZ	10		
23:10	ZZZZZZ	1		
23:14	ZZZZZZ	1		
23:18	MA39591-CCVA11	1		
23:23	MA39591-CCB11	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
14:37	MA39591-STD1	100	100	100	100	100	100	100	100
14:41	MA39591-STD2	100	100	100	100	100	100	100	100
14:46	MA39591-STD3	100	100	100	100	100	100	100	100
14:50	MA39591-STD4	101.322	100.488	99.453	99.544	99.518	100.084	99.641	99.716
14:54	MA39591-STD5	100.954	100.981	100.252	100.27	99.477	100.543	99.553	99.175
14:59	MA39591-STD6	101.571	99.658	98.979	98.821	99.735	101.063	99.051	98.776
15:03	MA39591-STD7	101.379	100.062	99.048	98.836	100.996	100.215	99.963	100.256
15:08	MA39591-STD8	100.854	99.393	96.211	96.2	100.141	96.368	95.741	98.821
15:12	MA39591-STD9	97.217	97.026	96.205	97.279	95.692	94.974	95.909	93.962
15:17	MA39591-STD10	97.955	97.204	97.049	97.854	96.689	96.742	96.179	95.551
15:21	MA39591-STD11	102.926	103.032	100.354	100.116	101.698	100.314	98.1	98.406
15:25	MA39591-STD12	101.368	102.25	102.201	100.751	101.411	100.796	100.279	98.026
15:32	ZZZZZZ	102.805	103.703	102.822	101.191	102.879	102.312	101.597	103.387
15:36	MA39591-ICVA1	101.763	104.305	101.584	101.329	103.682	102.661	102.382	101.394
15:40	MA39591-ICV1	100.542	101.375	102.036	101.874	101.245	101.512	101.362	100.844
15:45	MA39591-ICB1	102.175	102.814	100.862	102.245	102.489	100.653	101.733	101.351
15:49	MA39591-CRI1	102.508	103.724	100.834	101.129	102.615	102.174	100.41	101.827
15:54	MA39591-CCVA1	102.303	103.861	102.556	102.45	101.665	102.418	101.145	100.052
15:58	MA39591-CCB1	101.142	102.057	101.313	102.085	101.426	100.551	100.721	100.487
16:03	MP94128-MB1	102.192	104.3	103.38	102.379	104.736	103.546	103.257	102.438
16:07	MP94128-B1	103.601	106.334	103.352	101.234	106.315	104.963	101.957	102.813
16:12	MP94128-S1	97.917	108.089	113.287	114.578	101.41	106.654	107.226	91.605
16:16	MP94128-S2	115.511	119.818	120.36	121.616	110.007	111.09	112.218	99.487
16:21	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:25	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:34	FA34373-1	113.266	117.116	119.461	120.016	109.008	110.064	110.482	98.057
16:39	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:43	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:48	MA39591-CCVA2	126.332	!a121.064	119.914	123.856	119.409	118.774	120.399	113.793
16:52	MA39591-CCB2	129.135	!a124.199	121.831	124.053	122.009	121.432	120.89	118.329
16:57	ZZZZZZ	119.999	120.86	118.649	121.308	116.7	117.569	119.11	109.445
17:01	ZZZZZZ	118.947	122.991	117.96	118.032	117.35	117.536	115.712	110.896

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
17:05	ZZZZZZ	No results reported for the elements associated with this internal standard.							
17:10	ZZZZZZ	124.851	124.203	123.185	122.767	124.572	123.819	122.053	119.405
17:14	ZZZZZZ	124.529	124.142	121.87	121.835	123.605	121.362	120.257	118.258
17:19	ZZZZZZ	122.716	121.181	120.185	120.665	120.331	119.653	118.093	117.278
17:23	MA39591-CCVA3	119.673	118.388	116.647	117.07	116.08	115.564	114.307	111.949
17:28	MA39591-CCB3	121.776	119.814	118.105	117.903	119.136	118.353	117.322	115.369
17:32	ZZZZZZ	120.924	119.614	116.452	121.19	119.999	117.202	120.656	115.869
17:36	MP94037-S1	No results reported for the elements associated with this internal standard.							
17:41	MP94037-S2	No results reported for the elements associated with this internal standard.							
17:45	FA34294-1	No results reported for the elements associated with this internal standard.							
17:50	ZZZZZZ	No results reported for the elements associated with this internal standard.							
17:54	ZZZZZZ	110.792	111.396	109.635	107.014	110.47	109.232	106.123	109.518
17:59	ZZZZZZ	109.843	110.719	109.048	106.63	112.752	110.802	106.427	109.909
18:03	MP94038-S1	98.466	104.658	101.608	101.61	102.711	102.542	100.734	95.783
18:08	MP94038-S2	98.718	105.535	100.859	99.473	103.294	102.757	100.097	97.148
18:12	ZZZZZZ	105.85	108.474	106.132	105.03	108.927	106.671	105.318	108.114
18:17	MA39591-CCVA4	101.695	104.561	102.07	100.4	104.317	103.769	101.382	101.299
18:21	MA39591-CCB4	103.402	104.337	101.841	101.295	104.775	104.814	102.979	104.67
18:25	JC21005-9	96.001	102.209	97.805	97.416	100.692	99.933	97.41	94.811
18:30	ZZZZZZ	104.475	107.23	102.72	102.441	108.577	106.117	103.441	106.311
18:34	ZZZZZZ	100.922	103.253	101.02	101	105.345	104.609	103.178	103.005
18:39	ZZZZZZ	100.98	102.094	100.507	100.433	104.493	101.982	101.916	103.384
18:43	ZZZZZZ	100.575	102.971	99.42	100.685	104.061	102.992	103.466	101.96
18:48	ZZZZZZ	96.28	103.164	99.053	97.606	100.414	100.822	98.909	95.955
18:52	ZZZZZZ	102.683	104.061	103.121	102.219	105.439	105.946	103.544	103.707
18:56	MA39591-CCVA5	97.68	99.883	98.158	98.299	100.547	100.043	99.045	98.832
19:01	MA39591-CCB5	100.067	101.952	100.655	99.778	102.502	102.748	101.418	102.709
19:05	MP94037-S1	96.64	102.849	99.045	98.581	100.166	100.975	99.2	96.647
19:10	MP94037-S2	95.683	100.43	96.502	98.2	100.044	99.314	98.16	95.831
19:14	FA34294-1	95.713	101.419	98.352	97.971	101.049	100.589	100.187	96.583
19:19	ZZZZZZ	95.342	100.635	97.334	99.595	99.358	99.638	99.216	95.69
19:23	ZZZZZZ	96.911	98.414	96.918	96.545	100.228	100.619	98.886	99.475
19:28	MA39591-CCVA6	94.885	97.785	94.753	96.392	98.237	97.316	97.308	97.4

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
19:32	MA39591-CCB6	92.613	95.356	94.013	94.739	97.351	96.277	95.101	97.467
19:36	MP94083-MB1	95.467	96.958	95.15	95.703	99.913	99.336	98.715	100.008
19:41	MP94083-B1	95.762	98.148	96.004	97.046	99.553	100.043	98.181	98.297
19:45	MP94083-S1	85.525	95.9	92.319	93.553	88.754	89.939	90.672	83.344
19:50	MP94083-S2	92.804	103.938	96.96	94.347	95.49	94.447	89.699	88.426
19:54	ZZZZZZ	97.547	102.963	99.862	97.053	104.858	102.058	99.094	103.357
19:59	JC21005-10	86.384	97.32	92.421	91.666	90.345	90.25	87.604	84.412
20:03	ZZZZZZ	96.228	102.837	98.945	96.676	105.806	103.245	99.102	103.891
20:08	ZZZZZZ	92.21	98.237	95.105	93.522	101.056	101.515	96.388	99.993
20:12	ZZZZZZ	84.555	93.726	89.658	88.718	94.024	94.813	92.02	90.43
20:17	MA39591-CCVA7	87.785	95.188	91.469	89.949	97.38	97.035	92.674	96.106
20:21	MA39591-CCB7	88.736	94.181	92.1	91.265	96.888	96.877	92.507	98.334
20:25	ZZZZZZ	85.124	90.857	87.091	86.521	94.654	92.61	89.957	92.347
20:30	ZZZZZZ	83.873	91.851	87.504	86.25	92.852	91.627	88.774	89.035
20:34	ZZZZZZ	89.683	93.519	92.275	91.516	96.827	98.405	94.106	96.804
20:39	ZZZZZZ	89.669	95.347	92.331	91.067	98.74	97.315	94.942	97.964
20:43	ZZZZZZ	90.514	94.09	91.251	89.118	97.347	95.722	92.679	97.513
20:48	MP94092-MB1	91.427	94.83	92.389	90.863	97.524	98.078	94.128	98.442
20:52	MP94092-B1	88.683	94.998	89.229	86.832	98.112	95.282	90.814	97.738
20:57	MP94092-B1	86.786	91.341	88.317	87.626	94.118	94.153	89.367	93.804
21:01	MA39591-CCVA8	86.312	90.969	87.814	87.294	93.931	92.877	89.325	92.764
21:05	MA39591-CCB8	86.755	90.694	88.627	88.558	94.196	94.333	91.276	94.619
21:10	MP94092-S1	86.372	91.432	88.361	87.868	94.767	94.826	91.818	92.232
21:14	MP94092-S1	84.103	89.792	86.583	85.649	93.659	92.742	89.603	91.907
21:19	MP94092-S2	83.627	89.09	85.72	85.034	91.864	92.458	89.046	90.239
21:23	MP94092-S2	83.409	88.496	86.229	86.597	92.967	92.652	89.66	91.659
21:28	ZZZZZZ	84.33	89.542	85.744	86.686	90.703	91.73	88.445	92.509
21:32	JC21346-1	84.355	90.355	85.617	84.769	94.526	92.32	88.549	92.054
21:36	ZZZZZZ	83.599	89.383	87.082	86.019	92.072	93.059	88.236	91.597
21:41	ZZZZZZ	83.609	89.275	86.333	85.986	92.581	91.795	89.447	91.789
21:45	ZZZZZZ	82.91	87.994	83.277	85.33	91.82	90.649	88.77	90.966
21:50	MA39591-CCVA9	82.846	87.516	84.158	83.686	90.418	89.527	87.104	89.972
21:54	MA39591-CCB9	82.872	87.419	84.806	85.324	91.101	90.343	87.756	92.367

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
21:59	ZZZZZZ	82.877	87.469	85.266	84.699	91.469	91.189	88.445	90.038
22:03	ZZZZZZ	82.246	86.872	83.837	83.572	91.45	89.434	87.963	90.121
22:08	ZZZZZZ	81.928	87.146	84.424	82.452	91.799	90.428	86.825	90.053
22:12	ZZZZZZ	81.722	87.043	84.264	84.821	90.442	90.738	89.069	90.08
22:16	ZZZZZZ	81.431	87.313	83.704	85.065	91.154	89.937	89.107	89.316
22:21	ZZZZZZ	81.274	86.682	83.582	83.82	91.307	89.418	87.579	89.977
22:25	ZZZZZZ	83.32	87.14	84.651	85.7	91.056	90.712	87.805	92.772
22:30	MA39591-CCVA10	82.003	87.053	83.233	85.103	89.848	89.725	87.472	89.243
22:34	MA39591-CCB10	82.429	86.404	83.322	84.78	89.516	88.883	87.833	90.861
22:39	MP94128-MB2	No results reported for the elements associated with this internal standard.							
22:43	MP94128-B2	No results reported for the elements associated with this internal standard.							
22:47	MP94128-B2	No results reported for the elements associated with this internal standard.							
22:52	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:56	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:01	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:05	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:10	ZZZZZZ	88.497	91.168	88.455	90.63	93.78	93.641	92.998	94.68
23:14	ZZZZZZ	86.477	89.831	87.446	89.691	92.654	92.496	91.933	94.214
23:18	MA39591-CCVA11	No results reported for the elements associated with this internal standard.							
23:23	MA39591-CCB11	No results reported for the elements associated with this internal standard.							

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits	CCV/CCB Limits
Istd#1	Lithium	60-125 %	60-125 %
Istd#2	Scandium (45-1)	60-125 %	60-125 %
Istd#3	Scandium (45-2)	60-125 %	60-125 %
Istd#4	Scandium (45-3)	60-125 %	60-125 %
Istd#5	Germanium (74-1)	60-125 %	60-125 %
Istd#6	Germanium (74-2)	60-125 %	60-125 %
Istd#7	Germanium (74-3)	60-125 %	60-125 %
Istd#8	Rhodium (103-1)	60-125 %	60-125 %

(a) No samples reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
14:37	MA39591-STD1	100	100	100	100	100	100	100	100
14:41	MA39591-STD2	100	100	100	100	100	100	100	100
14:46	MA39591-STD3	100	100	100	100	100	100	100	100
14:50	MA39591-STD4	99.31	99.439	100.565	99.238	99.82	98.843	99.263	99.557
14:54	MA39591-STD5	101.067	100.883	99.045	99.956	99.498	100.563	99.995	99.833
14:59	MA39591-STD6	100.752	99.841	100.339	99.663	99.993	101.103	99.966	99.451
15:03	MA39591-STD7	100.65	100.182	100.975	99.728	101.667	100.426	100.443	101.16
15:08	MA39591-STD8	94.889	95.082	99.939	94.55	100.547	93.041	92.837	100.075
15:12	MA39591-STD9	94.331	96.757	96.407	94.993	95.629	93.407	95.985	95.383
15:17	MA39591-STD10	95.484	97.521	96.949	96.426	97.082	96.523	97.218	96.225
15:21	MA39591-STD11	98.669	98.28	100.541	99.627	101.046	99.697	99.841	100.445
15:25	MA39591-STD12	98.383	98.177	100.61	99.058	103.087	100.638	99.731	102.955
15:32	ZZZZZZ	101.895	101.587	102.935	101.473	103.223	100.62	100.274	103.038
15:36	MA39591-ICVA1	100.482	98.697	103.913	101.436	103.715	101.361	99.743	103.25
15:40	MA39591-ICV1	101.904	102.102	101.628	101.297	101.15	100.925	100.93	100.473
15:45	MA39591-ICB1	100.185	101.543	101.973	100.423	101.281	99.213	99.952	102.336
15:49	MA39591-CRI1	101.807	101.066	102.915	102.152	102.108	100.083	99.524	101.76
15:54	MA39591-CCVA1	99.026	99.673	101.312	100.434	102.93	100.883	100.034	101.932
15:58	MA39591-CCB1	100.309	101.579	101.45	100.568	100.824	98.823	98.779	100.647
16:03	MP94128-MB1	102.515	103.012	103.523	103.458	101.609	101.531	100.379	100.935
16:07	MP94128-B1	101.6	100.871	104.479	102.594	103.756	102.735	100.35	104.079
16:12	MP94128-S1	93.925	95.769	98.727	100.925	103.648	102.212	102.967	102.77
16:16	MP94128-S2	97.831	98.225	106.721	103.871	112.197	104.114	104.757	111.761
16:21	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:25	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:34	FA34373-1	96.965	98.362	105.42	103.056	110.443	104.117	105.244	110.03
16:39	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:43	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:48	MA39591-CCVA2	112.584	115.714	117.795	111.595	116.5	109.446	112.977	116.449
16:52	MA39591-CCB2	116.323	117.167	119.143	114.517	117.419	110.756	112.097	117.471
16:57	ZZZZZZ	109.309	110.752	114.227	110.734	114.057	109.549	111.773	114.247
17:01	ZZZZZZ	109.164	109.028	115.539	111.007	114.858	108.911	109.106	114.95

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
17:05	ZZZZZZ	No results reported for the elements associated with this internal standard.							
17:10	ZZZZZZ	116.812	117.611	121.502	117.143	118.575	112.646	113.091	117.936
17:14	ZZZZZZ	115.613	115.857	121.237	116.69	118.956	110.529	111.67	117.451
17:19	ZZZZZZ	115.892	115.702	118.459	114.939	116.567	110.999	110.979	114.845
17:23	MA39591-CCVA3	110.047	111.528	114.226	109.785	113.462	108.534	109.989	112.606
17:28	MA39591-CCB3	113.226	113.814	117.032	113.547	114.869	109.37	109.259	115.145
17:32	ZZZZZZ	112.101	117.9	118.005	111.866	115.513	108.292	113.919	114.775
17:36	MP94037-S1	No results reported for the elements associated with this internal standard.							
17:41	MP94037-S2	No results reported for the elements associated with this internal standard.							
17:45	FA34294-1	No results reported for the elements associated with this internal standard.							
17:50	ZZZZZZ	No results reported for the elements associated with this internal standard.							
17:54	ZZZZZZ	105.56	105.722	110.832	108.085	109.462	104.677	104.614	109.28
17:59	ZZZZZZ	107.295	105.313	110.912	110.342	108.964	106.694	104.697	109.133
18:03	MP94038-S1	95.195	95.897	99.958	98.566	104.045	101.453	103.165	104.447
18:08	MP94038-S2	95.182	94.475	100.63	98.556	104.109	101.342	101.188	104.75
18:12	ZZZZZZ	104.73	105.537	109.943	106.746	108.499	104.877	104.53	107.663
18:17	MA39591-CCVA4	99.522	99.663	105.049	101.907	105.719	102.33	103.242	105.326
18:21	MA39591-CCB4	102.866	103.971	106.523	103.801	106.748	103.626	104.048	106.604
18:25	JC21005-9	93.916	94.584	100.027	97.546	103.865	101.491	101.839	104.391
18:30	ZZZZZZ	103.464	103.214	107.92	105.382	108.489	105.608	104.512	108
18:34	ZZZZZZ	101.14	101.701	105.123	102.466	107.272	104.612	105.403	106.494
18:39	ZZZZZZ	100.757	102.436	104.749	101.424	104.911	102.828	103.276	104.931
18:43	ZZZZZZ	101.813	103.913	104.637	103.148	105.722	103.303	105.784	105.275
18:48	ZZZZZZ	94.771	95.199	99.372	98.57	104.078	102.138	103.16	104.316
18:52	ZZZZZZ	102.872	103.907	106.798	104.765	108.456	105.459	106.799	107.789
18:56	MA39591-CCVA5	97.797	99.148	101.83	99.022	103.269	102.374	103.063	103.56
19:01	MA39591-CCB5	101.988	102.037	104.326	102.658	105.471	102.812	102.838	104.439
19:05	MP94037-S1	96.327	96.203	101.881	98.63	103.385	101.743	103.625	104.303
19:10	MP94037-S2	93.942	96.325	100.356	97.988	104.3	100.946	102.678	104.907
19:14	FA34294-1	95.339	96.66	102.117	99.582	104.581	102.714	103.241	104.821
19:19	ZZZZZZ	95.153	97.129	101.728	98.884	104.154	102.402	104.263	103.344
19:23	ZZZZZZ	99.131	99.936	102.184	100.169	103.096	101.618	102.144	103.05
19:28	MA39591-CCVA6	95.891	98.03	100.036	97.515	102.605	101.226	103.537	103.094

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
19:32	MA39591-CCB6	96.326	97.603	100.362	97.076	100.831	99.372	100.023	101.038
19:36	MP94083-MB1	97.673	98.52	101.638	99.233	101.62	100.156	101.152	100.954
19:41	MP94083-B1	98.421	98.776	100.504	99.79	102.687	101.869	102.713	102.793
19:45	MP94083-S1	81.905	83.037	89.24	87.721	97.075	94.176	95.11	97.289
19:50	MP94083-S2	84.354	83.177	94.323	91.7	102.267	96.172	94.526	101.546
19:54	ZZZZZZ	101.231	101.464	104.853	102.633	105.222	102.667	102.588	104.569
19:59	JC21005-10	81.359	82.1	90.35	88.71	98.071	93.818	94.682	97.818
20:03	ZZZZZZ	100.463	99.11	105.955	102.781	106.703	102.995	102.322	105.925
20:08	ZZZZZZ	97.783	97.566	102.938	100.818	102.376	100.238	100.35	101.867
20:12	ZZZZZZ	90.295	90.432	95.342	94.784	97.61	97.482	98.073	97.162
20:17	MA39591-CCVA7	93.363	93.551	99.149	97.299	101.055	99.526	99.096	100.782
20:21	MA39591-CCB7	96.159	96.066	99.635	98.374	100.899	99.596	99.122	99.865
20:25	ZZZZZZ	90.344	91.307	96.373	93.113	100.06	97.267	98.118	100.231
20:30	ZZZZZZ	87.015	86.724	93.657	91.841	99.131	96.816	96.867	99.107
20:34	ZZZZZZ	96.096	96.284	99.962	98.696	100.955	99.996	100.885	100.598
20:39	ZZZZZZ	95.314	95.591	100.472	98.99	100.45	99.533	100.595	101.014
20:43	ZZZZZZ	95.103	94.307	99.727	96.452	100.186	98.549	98.509	99.745
20:48	MP94092-MB1	96.136	95.847	100.393	98.8	101.113	100.406	100.631	101.455
20:52	MP94092-B1	93.016	92.416	100.427	96.008	101.474	99.098	97.614	100.867
20:57	MP94092-B1	92.468	91.987	97.356	95.025	98.424	97.272	96.729	98.532
21:01	MA39591-CCVA8	91.365	90.863	96.48	93.533	99.886	97.809	97.586	99.363
21:05	MA39591-CCB8	93.432	93.526	97.444	94.926	98.682	97.443	97.683	98.302
21:10	MP94092-S1	90.906	91.107	96.905	94.201	98.796	97.815	97.983	98.728
21:14	MP94092-S1	90.346	90.649	96.286	93.289	98.088	96.533	96.409	97.462
21:19	MP94092-S2	88.867	89.03	94.427	91.936	97.227	96.314	96.977	97.228
21:23	MP94092-S2	90.687	91.179	95.251	93.893	97.47	96.733	97.836	97.542
21:28	ZZZZZZ	90.724	91.81	94.716	92.704	96.725	95.198	96.17	96.23
21:32	JC21346-1	90.115	89.006	96.114	93.368	98.15	96.147	95.866	96.988
21:36	ZZZZZZ	90.695	90.154	96.055	92.663	97.253	95.601	96.47	97.01
21:41	ZZZZZZ	90.021	90.962	95.952	92.914	97.455	95.986	97.158	97.677
21:45	ZZZZZZ	87.938	89.409	94.464	90.485	96.511	93.981	96.064	96.144
21:50	MA39591-CCVA9	88.491	88.536	93.16	90.584	96.798	95.09	95.172	96.268
21:54	MA39591-CCB9	90.376	90.559	94.02	91.685	95.866	94.799	95.863	95.412

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
21:59	ZZZZZZ	89.04	88.997	93.661	91.114	95.059	95.788	96.004	95.225
22:03	ZZZZZZ	88.091	88.707	94.273	91.08	96.136	94.644	95.412	95.936
22:08	ZZZZZZ	88.05	88.194	94.356	91.133	96.679	94.648	94.589	95.47
22:12	ZZZZZZ	88.203	89.37	93.859	91.345	96.165	94.829	96.027	96.253
22:16	ZZZZZZ	87.895	89.337	94.652	91.171	95.934	94.573	95.788	95.93
22:21	ZZZZZZ	87.745	88.668	94.029	91.032	96.447	94.363	95.856	95.665
22:25	ZZZZZZ	90.299	90.933	94.979	91.474	96.551	94.547	96.199	96.625
22:30	MA39591-CCVA10	88.897	89.226	92.173	89.916	95.88	94.706	95.567	96.132
22:34	MA39591-CCB10	89.461	91.043	92.72	90.167	94.488	93.722	95.223	94.006
22:39	MP94128-MB2	No results reported for the elements associated with this internal standard.							
22:43	MP94128-B2	No results reported for the elements associated with this internal standard.							
22:47	MP94128-B2	No results reported for the elements associated with this internal standard.							
22:52	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:56	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:01	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:05	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:10	ZZZZZZ	94.174	95.318	96.247	93.703	98.167	96.833	98.59	98.495
23:14	ZZZZZZ	93.331	94.045	96.548	91.92	98.014	95.797	97.49	97.617
23:18	MA39591-CCVA11	No results reported for the elements associated with this internal standard.							
23:23	MA39591-CCB11	No results reported for the elements associated with this internal standard.							

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits	CCV/CCB Limits
Istd#9	Rhodium (103-2)	60-125 %	60-125 %
Istd#10	Rhodium (103-3)	60-125 %	60-125 %
Istd#11	Indium (115-1)	60-125 %	60-125 %
Istd#12	Indium (115-2)	60-125 %	60-125 %
Istd#13	Terbium (159-1)	60-125 %	60-125 %
Istd#14	Terbium (159-2)	60-125 %	60-125 %
Istd#15	Terbium (159-3)	60-125 %	60-125 %
Istd#16	Holmium (165-1)	60-125 %	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#17	Istd#18	Istd#19
14:37	MA39591-STD1	100	100	100
14:41	MA39591-STD2	100	100	100
14:46	MA39591-STD3	100	100	100
14:50	MA39591-STD4	99.345	99.893	99.012
14:54	MA39591-STD5	101.349	98.924	101.168
14:59	MA39591-STD6	101.175	99.578	100.691
15:03	MA39591-STD7	101.27	101.444	100.361
15:08	MA39591-STD8	92.907	100.522	90.851
15:12	MA39591-STD9	93.275	94.931	87.804
15:17	MA39591-STD10	95.948	92.764	88.234
15:21	MA39591-STD11	99.74	96.911	96.07
15:25	MA39591-STD12	100.283	97.951	95.722
15:32	ZZZZZZ	100.646	100.946	98.687
15:36	MA39591-ICVA1	101.399	100.54	97.7
15:40	MA39591-ICV1	100.386	98.638	97.774
15:45	MA39591-ICB1	99.558	100.52	97.372
15:49	MA39591-CRI1	100.092	100.868	97.899
15:54	MA39591-CCVA1	100.379	98.832	96.769
15:58	MA39591-CCB1	98.078	98.587	91.45
16:03	MP94128-MB1	101.218	98.157	100.442
16:07	MP94128-B1	103.265	102.024	100.906
16:12	MP94128-S1	102.689	90.802	88.905
16:16	MP94128-S2	103.981	96.567	89.425
16:21	ZZZZZZ	No results reported for the elements associated with this internal standard.		
16:25	ZZZZZZ	No results reported for the elements associated with this internal standard.		
16:30	ZZZZZZ	No results reported for the elements associated with this internal standard.		
16:34	FA34373-1	103.441	95.845	89.46
16:39	ZZZZZZ	No results reported for the elements associated with this internal standard.		
16:43	ZZZZZZ	No results reported for the elements associated with this internal standard.		
16:48	MA39591-CCVA2	108.648	112.456	104.207
16:52	MA39591-CCB2	110.036	114.918	107.43
16:57	ZZZZZZ	110.559	109.443	104.018
17:01	ZZZZZZ	109.036	110.608	104.21

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#17	Istd#18	Istd#19
17:05	ZZZZZZ	No results reported for the elements associated with this internal standard.		
17:10	ZZZZZZ	112.115	116.106	109.879
17:14	ZZZZZZ	110.817	116.089	109.295
17:19	ZZZZZZ	110.534	113.178	107.647
17:23	MA39591-CCVA3	107.631	110.138	102.808
17:28	MA39591-CCB3	109.917	112.991	106.571
17:32	ZZZZZZ	107.728	114.128	106.104
17:36	MP94037-S1	No results reported for the elements associated with this internal standard.		
17:41	MP94037-S2	No results reported for the elements associated with this internal standard.		
17:45	FA34294-1	No results reported for the elements associated with this internal standard.		
17:50	ZZZZZZ	No results reported for the elements associated with this internal standard.		
17:54	ZZZZZZ	104.754	108.063	102.489
17:59	ZZZZZZ	105.987	108.103	104.994
18:03	MP94038-S1	101.698	96.61	93.889
18:08	MP94038-S2	101.401	97.592	94.836
18:12	ZZZZZZ	104.695	105.817	102.045
18:17	MA39591-CCVA4	102.373	102.104	98.013
18:21	MA39591-CCB4	103.618	105.8	102.982
18:25	JC21005-9	102.171	97.47	95.524
18:30	ZZZZZZ	106.028	107.277	104.963
18:34	ZZZZZZ	105.522	104.534	103.096
18:39	ZZZZZZ	102.82	104.966	102.802
18:43	ZZZZZZ	103.684	104.785	103.598
18:48	ZZZZZZ	102.94	98.455	96.61
18:52	ZZZZZZ	105.959	105.844	104.795
18:56	MA39591-CCVA5	102.849	101.271	100.173
19:01	MA39591-CCB5	103.821	104.66	104.003
19:05	MP94037-S1	102.966	98.939	98.454
19:10	MP94037-S2	101.427	99.863	97.818
19:14	FA34294-1	103.971	100.284	100.335
19:19	ZZZZZZ	102.894	99.307	99.396
19:23	ZZZZZZ	101.892	102.369	101.788
19:28	MA39591-CCVA6	100.989	100.53	99.14

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#17	Istd#18	Istd#19
19:32	MA39591-CCB6	99.343	101.709	99.005
19:36	MP94083-MB1	100.864	102.618	100.938
19:41	MP94083-B1	102.072	101.677	101.771
19:45	MP94083-S1	95.168	86.412	84.031
19:50	MP94083-S2	96.95	88.442	84.853
19:54	ZZZZZZ	102.704	104.36	102.333
19:59	JC21005-10	94.678	85.118	82.799
20:03	ZZZZZZ	102.534	104.901	103.001
20:08	ZZZZZZ	100.591	101.208	101.332
20:12	ZZZZZZ	97.618	95.24	95.296
20:17	MA39591-CCVA7	100.226	98.122	98.288
20:21	MA39591-CCB7	100.465	99.568	100.562
20:25	ZZZZZZ	97.997	97.431	97.072
20:30	ZZZZZZ	96.852	93.121	92.745
20:34	ZZZZZZ	100.67	100.821	101.289
20:39	ZZZZZZ	100.042	100.469	101.155
20:43	ZZZZZZ	99.12	99.292	99.711
20:48	MP94092-MB1	100.736	101.898	102.381
20:52	MP94092-B1	99.562	100.726	99.708
20:57	MP94092-B1	98.344	98.796	98.905
21:01	MA39591-CCVA8	98.614	96.967	97.146
21:05	MA39591-CCB8	98.13	97.165	98.568
21:10	MP94092-S1	98.12	96.424	96.63
21:14	MP94092-S1	97.542	97.192	97.155
21:19	MP94092-S2	97.557	94.237	96.173
21:23	MP94092-S2	97.496	95.519	96.702
21:28	ZZZZZZ	95.788	96.337	96.288
21:32	JC21346-1	97.849	97.522	97.203
21:36	ZZZZZZ	96.492	96.143	97.89
21:41	ZZZZZZ	96.827	96.621	97.753
21:45	ZZZZZZ	94.691	96.415	95.902
21:50	MA39591-CCVA9	96.215	93.741	94.809
21:54	MA39591-CCB9	95.237	95.017	96.331

INTERNAL STANDARD SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
Analyst: RP Run ID: MA39591
Parameters: Zn

Time	Sample Description	Istd#17	Istd#18	Istd#19
21:59	ZZZZZZ	96.613	95.342	96.553
22:03	ZZZZZZ	94.506	95.574	94.277
22:08	ZZZZZZ	95.547	94.309	95.608
22:12	ZZZZZZ	95.69	94.915	95.648
22:16	ZZZZZZ	95.041	95.174	95.275
22:21	ZZZZZZ	94.856	94.909	95.376
22:25	ZZZZZZ	95.085	96.56	96.008
22:30	MA39591-CCVA10	95.65	93.151	94.175
22:34	MA39591-CCB10	94.074	94.766	95.09
22:39	MP94128-MB2	No results reported for the elements associated with this internal standard.		
22:43	MP94128-B2	No results reported for the elements associated with this internal standard.		
22:47	MP94128-B2	No results reported for the elements associated with this internal standard.		
22:52	ZZZZZZ	No results reported for the elements associated with this internal standard.		
22:56	ZZZZZZ	No results reported for the elements associated with this internal standard.		
23:01	ZZZZZZ	No results reported for the elements associated with this internal standard.		
23:05	ZZZZZZ	No results reported for the elements associated with this internal standard.		
23:10	ZZZZZZ	97.054	97.734	98.182
23:14	ZZZZZZ	96.723	97.566	97.443
23:18	MA39591-CCVA11	No results reported for the elements associated with this internal standard.		
23:23	MA39591-CCB11	No results reported for the elements associated with this internal standard.		

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits	CCV/CCB Limits
Istd#17	Holmium (165-2)	60-125 %	60-125 %
Istd#18	Bismuth (209-1)	60-125 %	60-125 %
Istd#19	Bismuth (209-2)	60-125 %	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
QC Limits: result < RL Run ID: MA39591 Units: ug/l

Time:			15:45		15:58		16:52		17:28	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.13								
Antimony	2.0	.091								
Arsenic	0.50	.014	anr							
Barium	1.0	.01								
Beryllium	0.50	.003								
Boron	25	1.7								
Cadmium	0.50	.009								
Calcium	250	1.6								
Chromium	1.0	.014	anr							
Cobalt	0.50	.005								
Copper	2.0	.018								
Iron	25	.21								
Lead	0.50	.006	anr							
Magnesium	250	.15								
Manganese	1.0	.008								
Molybdenum	1.0	.019								
Nickel	1.0	.083								
Potassium	250	2.6								
Selenium	0.50	.029	anr							
Silver	0.50	.005	anr							
Sodium	250	3.3								
Strontium	5.0	.004								
Thallium	0.50	.008								
Tin	5.0	.02								
Titanium	1.0	.048								
Vanadium	1.0	.047								
Zinc	5.0	.072	0.090	<5.0	0.10	<5.0	0.13	<10	0.31	<10

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
QC Limits: result < RL Run ID: MA39591 Units: ug/l

Time:			18:21		19:01		19:32	
Sample ID:			CCB4		CCB5		CCB6	
Metal	RL	IDL	raw	final	raw	final	raw	final
Aluminum	25	.13						
Antimony	2.0	.091						
Arsenic	0.50	.014	anr					
Barium	1.0	.01						
Beryllium	0.50	.003						
Boron	25	1.7						
Cadmium	0.50	.009						
Calcium	250	1.6						
Chromium	1.0	.014	anr					
Cobalt	0.50	.005						
Copper	2.0	.018						
Iron	25	.21						
Lead	0.50	.006	anr					
Magnesium	250	.15						
Manganese	1.0	.008						
Molybdenum	1.0	.019						
Nickel	1.0	.083						
Potassium	250	2.6						
Selenium	0.50	.029	anr					
Silver	0.50	.005	anr					
Sodium	250	3.3						
Strontium	5.0	.004						
Thallium	0.50	.008						
Tin	5.0	.02						
Titanium	1.0	.048						
Vanadium	1.0	.047						
Zinc	5.0	.072	0.35	<10	0.34	<10	0.29	<10

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39591 Units: ug/l

Time:		15:36			15:40			15:54	
Sample ID:	ICVA	ICVA1		ICV	ICV1		CCVA	CCVA1	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	60	55.8	93.0				50	53.7	107.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39591 Units: ug/l

Time:		16:48			17:23			18:17	
Sample ID:	CCVA	CCVA2		CCVA	CCVA3		CCVA	CCVA4	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium	anr								
Cobalt									
Copper									
Iron									
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	50	47.8	95.6	50	47.8	95.6	50	49.5	99.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA39591 Units: ug/l

Time:		18:56			19:28	
Sample ID:	CCVA	CCVA5		CCVA	CCVA6	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Boron						
Cadmium						
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	50	49.8	99.6	50	49.9	99.8

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

File ID: XB060816M6.CSV Date Analyzed: 06/08/16 Methods: EPA 200.8, SW846 6020A
QC Limits: 70 to 130 % Recovery Run ID: MA39591 Units: ug/l

Time:			15:49	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Aluminum	25	25		
Antimony	2.0	0.25		
Arsenic	0.50	0.50	anr	
Barium	1.0	0.50		
Beryllium	0.50	0.25		
Boron	25	2.5		
Cadmium	0.50	0.25		
Calcium	250	125		
Chromium	1.0	2.0	anr	
Cobalt	0.50	0.25		
Copper	2.0	2.0		
Iron	25	25		
Lead	0.50	0.25	anr	
Magnesium	250	125		
Manganese	0.50	0.25		
Molybdenum	1.0	0.50		
Nickel	1.0	2.0		
Potassium	250	125		
Selenium	0.50	0.50	anr	
Silver	0.50	1.0	anr	
Sodium	250	125		
Strontium	5.0	0.50		
Thallium	0.50	0.25		
Tin	5.0	0.50		
Titanium	1.0	0.50		
Vanadium	1.0	2.0		
Zinc	5.0	2.0	5.6	112.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

QC Batch ID: MP94037
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 06/01/16

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.32	1.3		
Antimony	2.0	.1	.26	0.13	<2.0
Arsenic	1.0	.035	.034	0.0014	<1.0
Barium	1.0	.033	.028		
Beryllium	0.50	.008	.013	0.0025	<0.50
Boron	50	1.5			
Cadmium	0.50	.01	.12	0.00056	<0.50
Calcium	250	9.7	3.7		
Chromium	4.0	.016	.1	-0.035	<4.0
Cobalt	0.50	.002	.018		
Copper	4.0	.02	.14	2.9	<4.0
Iron	50	.18	2	5.2	<50
Lead	0.50	.007	.011	0.013	<0.50
Magnesium	250	.28	3.6		
Manganese	1.0	.014	.095	0.10	<1.0
Molybdenum	1.0	.016	.23		
Nickel	4.0	.016	.11	0.050	<4.0
Potassium	250	3.3	8.8		
Selenium	1.0	.03	.12	-0.0089	<1.0
Silver	2.0	.006	.041	0.0029	<2.0
Sodium	250	1.4	2.5		
Strontium	5.0	.01	.015		
Thallium	0.50	.015	.013	0.0029	<0.50
Tin	5.0	.027	.38		
Titanium	1.0	.061	.56		
Vanadium	4.0	.062	.2		
Zinc	10	.11	1.2	0.68	<10

Associated samples MP94037: FA34260-1, FA34260-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

QC Batch ID: MP94037
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 06/01/16

Metal	FA34294-1 Original	MS	Spikelot MPXDW7	% Rec	QC Limits
Aluminum					
Antimony	0.19	101	100	100.8	70-130
Arsenic	0.043	92.6	100	92.6	70-130
Barium	anr				
Beryllium	0.0	98.5	100	98.5	70-130
Boron					
Cadmium	0.017	90.6	100	90.6	70-130
Calcium					
Chromium	0.33	91.3	100	91.0	70-130
Cobalt	anr				
Copper	40.2	124	100	83.8	70-130
Iron	16.7	1830	2000	90.7	70-130
Lead	3.6	101	100	97.4	70-130
Magnesium					
Manganese	0.77	91.3	100	90.5	70-130
Molybdenum					
Nickel	1.6	87.7	100	86.1	70-130
Potassium					
Selenium	0.031	178	200	89.0	70-130
Silver	0.0064	94.1	100	94.1	70-130
Sodium					
Strontium					
Thallium	0.016	97.6	100	97.6	70-130
Tin					
Titanium					
Vanadium	anr				
Zinc	670	730	100	60.0 (a)	70-130

Associated samples MP94037: FA34260-1, FA34260-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

QC Batch ID: MP94037 Methods: EPA 200.8
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/01/16

Metal	FA34294-1 Original	MSD	Spikelot MPXDW7	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	0.19	99.2	100	99.0	1.8	10
Arsenic	0.043	92.4	100	92.4	0.2	10
Barium	anr					
Beryllium	0.0	96.7	100	96.7	1.8	10
Boron						
Cadmium	0.017	90.1	100	90.1	0.6	10
Calcium						
Chromium	0.33	89.8	100	89.5	1.7	10
Cobalt	anr					
Copper	40.2	123	100	82.8	0.8	11
Iron	16.7	1830	2000	90.7	0.0	10
Lead	3.6	99.6	100	96.0	1.4	10
Magnesium						
Manganese	0.77	90.6	100	89.8	0.8	10
Molybdenum						
Nickel	1.6	86.3	100	84.7	1.6	10
Potassium						
Selenium	0.031	177	200	88.5	0.6	10
Silver	0.0064	92.3	100	92.3	1.9	10
Sodium						
Strontium						
Thallium	0.016	95.9	100	95.9	1.8	10
Tin						
Titanium						
Vanadium	anr					
Zinc	670	726	100	56.0 (a)	1.5	10

Associated samples MP94037: FA34260-1, FA34260-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA34260
Account: ALSE - Accutest Laboratories Southeast, Inc.
Project: URSNCM: Belhaven Dump; Belhaven, Beaufort County, NC

QC Batch ID: MP94037
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 06/01/16

Metal	BSP Result	Spikelot MPXDW7	% Rec	QC Limits
Aluminum				
Antimony	103	100	103.0	85-115
Arsenic	97.0	100	97.0	85-115
Barium	anr			
Beryllium	96.0	100	96.0	85-115
Boron				
Cadmium	96.3	100	96.3	85-115
Calcium				
Chromium	94.1	100	94.1	85-115
Cobalt	anr			
Copper	94.1	100	94.1	85-115
Iron	1920	2000	96.0	85-115
Lead	95.6	100	95.6	85-115
Magnesium				
Manganese	94.6	100	94.6	85-115
Molybdenum				
Nickel	94.2	100	94.2	85-115
Potassium				
Selenium	191	200	95.5	85-115
Silver	98.5	100	98.5	85-115
Sodium				
Strontium				
Thallium	97.2	100	97.2	85-115
Tin				
Titanium				
Vanadium	anr			
Zinc	92.1	100	92.1	85-115

Associated samples MP94037: FA34260-1, FA34260-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested