June 26, 2019

Robert C. McDaniel
Facility Management Branch
Hazardous Waste Section
North Carolina Department of Environmental Quality
217 West Jones Street
Raleigh, North Carolina 27603

VIA ELECTRONIC MAIL

Re: Targeted Soil Sampling Confirmatory Sampling Report
Badin Business Park (f/k/a Alcoa - Badin Works)
Badin, North Carolina
EPA ID: NCD 003 162 542

Dear Mr. McDaniel:

This letter documents the results of confirmation soil sampling efforts performed at the Badin Business Park facility on June 11, 2019. The sample was collected as a follow up action to the detection of a single polychlorinated biphenyl (PCB) Aroclor, Aroclor 1232, as reported in the January 28, 2019, Targeted Sampling Report (Report). A confirmation sample was collected from a location adjacent to the location previously containing the detection; no constituents were detected above laboratory detection limits.

The May 31, 2018 Targeted Sampling Work Plan (Work Plan) was developed as a guidance document in support of sampling and investigative activities at the Badin Business Park LLC, formerly known as the Alcoa Badin Works facility. The Work Plan was prepared following receipt of the North Carolina Department of Environmental Quality (NCDEQ) January 31, 2018 correspondence concerning the review and conditional approval of the Investigative Work Plan for the Phase 4 and 5 Corrective Measures Study, Alcoa/Badin Landfill, and Former Ball Field, a meeting with NCDEQ personnel on May 10, 2018, and a subsequent conference call with NCDEQ personnel on May 24, 2018.

NCDEQ determined that previous environmental investigations have targeted known or suspected areas of the facility where constituents of interest (COIs) were known to have been utilized. Other areas of the facility were not evaluated because they were covered by plant buildings or other obstructions, or not suspected to be impacted. The objective of the Work Plan was to provide information to assess the presence or suspected presence of COIs in soils on the facility property not previously investigated. To accomplish the objective, surface and subsurface soil samples were collected to assess soil quality conditions and to screen for the presence of potential source areas that have not been identified in previous investigations.
As reported in the January 28, 2019 Report, a single PCB Aroclor, Aroclor 1232, was detected in one shallow soil sample (ANO-SB002 (0'-1')) at a concentration above the Protection of Groundwater Preliminary Soil Remediation Goal (PSRG) but below the Industrial PSRG. PCB Aroclors were not detected in the remaining soil samples at concentrations above either PSRG. Aroclor 1232 has not been historically detected in soil or groundwater samples. Further, Aroclor 1232 is not common to past operations and as a result the detection of Aroclor 1232 was believed to be anomalous.

During a March 19, 2019 follow-up meeting with the NCDEQ Hazardous Waste Section, it was discussed that a confirmation sample should be collected from the location where the detection occurred and the sample analyzed for Aroclor 1232. On June 11, 2019, ENVIRONEERING, Inc. personnel collected a confirmation sample from a sample location (ANO-SB003 (0'-1')) adjacent to the location previously containing the detection. No constituents were detected above laboratory detection limits. A map showing the location of the sample is provided as Figure 1. Soil sample confirmation analytical results and equipment blank analytical results are summarized in Tables 1 and 2. The laboratory report and completed chain of custody form is provided in Appendix A.

Badin Business Park LLC appreciates the time and effort your office has spent on this project, and we look forward to working with you in the future. Should you have any questions or comments, please contact Jason Mibroda of Alcoa at (412) 315-2783 at your convenience.

Sincerely,

Ronald M. Morosky
Director, Corporate Remediation

Attachments

cc: Jason Mibroda, Alcoa
    Michael W. Worden, Environering
Figure
Legend:
- Parcel Boundary
- Soil Boring

Note: Background aerial photograph dated 2015

Figure 1
Targeted Sampling Locations
Badin Business Park Facility
Badin, North Carolina

Environeeering, Inc.

Drawn by: MVV
Date: 06/24/2019
Project No: 137-267
Tables
<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Method</th>
<th>CAS</th>
<th>Units</th>
<th>ANO-SB003 (0'-1')</th>
<th>PSRG Prot. of GW</th>
<th>PSRG Ind/Comm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil Sample Analytical Results</td>
<td>Former Anode Plant Area</td>
<td>Badin Business Park Facility</td>
<td>Badin, North Carolina</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surface Material</td>
<td>Crushed Concrete</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thickness of Surface Material</td>
<td>6&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sample Depth Below Surface Material</td>
<td>0'-1'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>6/11/2019</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>13:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent Moisture</td>
<td>ASTM D2974-87</td>
<td>%</td>
<td></td>
<td>14.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB-1232 (Aroclor 1232)</td>
<td>EPA 8082</td>
<td>11141-16-5</td>
<td>mg/kg</td>
<td>ND -0.0348</td>
<td>0.0059</td>
<td>0.73</td>
</tr>
</tbody>
</table>

Soil sample ANO-SB003 (0'-1') was collected adjacent to sample ANO-SB002 (0'-1') to confirm previous results.

ND - The analyte was not detected above laboratory detection limits. Subscript indicates compound-specific MDL in mg/kg.

NCDEQ Preliminary Soil Remediation Goals (PSRG) - May 2019
Table 2
Field Blank Sample Analytical Results
Former Anode Plant Area
Badin Business Park Facility
Badin, North Carolina

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Method</th>
<th>CAS</th>
<th>Units</th>
<th>ANO-EB001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Equipment Blank</td>
<td>6/11/2019</td>
<td>13:50</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB-1232 (Aroclor 1232)</td>
<td>EPA 8082</td>
<td>11141-16-5</td>
<td>mg/l</td>
<td>ND &lt;0.00021</td>
</tr>
</tbody>
</table>

*ND - The analyte was not detected above laboratory detection limits. Subscript indicates compound-specific MDL in mg/l.*
Appendix A
Laboratory Report and Chain of Custody Form
June 19, 2019

Michael W. Worden
Environeering, Inc.
16100 Cairnway
Suite 320
Houston, TX 77084

RE: Project: 137-267
Pace Project No.: 92432687

Dear Michael Worden:

Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory’s Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela Baioni
angela.baioni@pacelabs.com
(704)875-9092
Project Manager

Enclosures
CERTIFICATIONS

Project: 137-267
Pace Project No.: 92432687

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS
This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.
# SAMPLE SUMMARY

**Project:** 137-267  
**Pace Project No.:** 92432687

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Sample ID</th>
<th>Matrix</th>
<th>Date Collected</th>
<th>Date Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>92432687001</td>
<td>ANO-SB003 (0'-1)</td>
<td>Solid</td>
<td>06/11/19 13:30</td>
<td>06/12/19 09:41</td>
</tr>
<tr>
<td>92432687002</td>
<td>ANO-EB001</td>
<td>Water</td>
<td>06/11/19 13:50</td>
<td>06/12/19 09:41</td>
</tr>
</tbody>
</table>
SAMPLE ANALYTE COUNT

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Sample ID</th>
<th>Method</th>
<th>Analysts</th>
<th>Analytes Reported</th>
<th>Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>92432687001</td>
<td>ANO-SB003 (0'-1)</td>
<td>EPA 8082A</td>
<td>SEM</td>
<td>2</td>
<td>PASI-C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ASTM D2974-87</td>
<td>KDF</td>
<td>1</td>
<td>PASI-C</td>
</tr>
<tr>
<td>92432687002</td>
<td>ANO-EB001</td>
<td>EPA 8082A</td>
<td>SEM</td>
<td>2</td>
<td>PASI-C</td>
</tr>
</tbody>
</table>
ANALYTICAL RESULTS

Project: 137-267
Pace Project No.: 92432687

Sample: ANO-SB003 (0'-1)  Lab ID: 92432687001  Collected: 06/11/19 13:30  Received: 06/12/19 09:41  Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Results</th>
<th>Units</th>
<th>Limit</th>
<th>MDL</th>
<th>DF</th>
<th>Prepared</th>
<th>Analyzed</th>
<th>CAS No.</th>
<th>Qual</th>
</tr>
</thead>
<tbody>
<tr>
<td>8082 GCS PCB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PCB-1232 (Aroclor 1232)</td>
<td>ND</td>
<td>ug/kg</td>
<td>76.6</td>
<td>34.8</td>
<td>2</td>
<td>06/14/19 20:47</td>
<td>06/17/19 10:19</td>
<td>11141-16-5</td>
<td></td>
</tr>
<tr>
<td>Surrogates</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decachlorobiphenyl (S)</td>
<td>183</td>
<td>%</td>
<td>10-130</td>
<td>2</td>
<td></td>
<td>06/14/19 20:47</td>
<td>06/17/19 10:19</td>
<td>2051-24-3</td>
<td>D3,S3</td>
</tr>
<tr>
<td>Percent Moisture</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent Moisture</td>
<td>14.7</td>
<td>%</td>
<td>0.10</td>
<td>0.10</td>
<td>1</td>
<td>06/13/19 17:08</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Analytical Method: EPA 8082A  Preparation Method: EPA 3546

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.
## ANALYTICAL RESULTS

**Sample:** ANO-EB001  
**Lab ID:** 92432687002  
**Collected:** 06/11/19 13:50  
**Received:** 06/12/19 09:41  
**Matrix:** Water

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Results</th>
<th>Units</th>
<th>Report Limit</th>
<th>MDL</th>
<th>DF</th>
<th>Prepared</th>
<th>Analyzed</th>
<th>CAS No.</th>
<th>Qual</th>
</tr>
</thead>
<tbody>
<tr>
<td>8082 GCS PCB RVE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>11141-16-5</td>
<td></td>
</tr>
<tr>
<td>PCB-1232 (Aroclor 1232)</td>
<td>ND</td>
<td>ug/L</td>
<td>0.50</td>
<td>0.21</td>
<td>1</td>
<td>06/13/19 21:05</td>
<td>06/19/19 05:13</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Surrogates</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2051-24-3</td>
<td></td>
</tr>
<tr>
<td>Decachlorobiphenyl (S)</td>
<td>69</td>
<td>%</td>
<td>10-130</td>
<td>1</td>
<td>1</td>
<td>06/13/19 21:05</td>
<td>06/19/19 05:13</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Analytical Method:** EPA 8082A  
**Preparation Method:** EPA 3510C
QUALITY CONTROL DATA

QC Batch: 481089
QC Batch Method: EPA 3510C
Associated Lab Samples: 92432687002

Analysis Method: EPA 8082A
Analysis Description: 8082 GCS PCB

Associated Lab Samples: 92432687002

METHOD BLANK: 2602536
Matrix: Water

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Blank Result</th>
<th>Reporting Limit</th>
<th>MDL</th>
<th>Analyzed</th>
<th>Qualifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB-1232 (Aroclor 1232)</td>
<td>ug/L</td>
<td>ND</td>
<td>0.50</td>
<td>0.21</td>
<td>06/19/19 05:51</td>
<td></td>
</tr>
<tr>
<td>Decachlorobiphenyl (S)</td>
<td>%</td>
<td>84</td>
<td>10-130</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LABORATORY CONTROL SAMPLE: 2602537

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Spike Conc.</th>
<th>LCS Result</th>
<th>LCS % Rec</th>
<th>% Rec Limits</th>
<th>Qualifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decachlorobiphenyl (S)</td>
<td>%</td>
<td></td>
<td>79</td>
<td></td>
<td>10-130</td>
<td></td>
</tr>
</tbody>
</table>

MATRIX SPIKE SAMPLE: 2602538

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Spike Conc.</th>
<th>MS Result</th>
<th>MS % Rec</th>
<th>% Rec Limits</th>
<th>Qualifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decachlorobiphenyl (S)</td>
<td>%</td>
<td></td>
<td></td>
<td>94</td>
<td>10-130</td>
<td></td>
</tr>
</tbody>
</table>

SAMPLE DUPLICATE: 2602539

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Spike Conc.</th>
<th>Dup Result</th>
<th>RPD</th>
<th>Max RPD</th>
<th>Qualifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB-1232 (Aroclor 1232)</td>
<td>ug/L</td>
<td></td>
<td>ND</td>
<td>ND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decachlorobiphenyl (S)</td>
<td>%</td>
<td></td>
<td>69</td>
<td>60</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

Date: 06/19/2019 02:54 PM
### QUALITY CONTROL DATA

**Project:** 137-267  
**Pace Project No.:** 92432687

**QC Batch:** 481275  
**QC Batch Method:** EPA 3546  
**Analysis Method:** EPA 8082A  
**Analysis Description:** 8082 GCS PCB

**Associated Lab Samples:** 92432687001

**QC Batch Method:** EPA 3546  
**Analysis Method:** EPA 8082A  
**Analysis Description:** 8082 GCS PCB

**Associated Lab Samples:** 92432687001

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Blank Result</th>
<th>Reporting Limit</th>
<th>MDL</th>
<th>Analyzed</th>
<th>Qualifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB-1232 (Aroclor 1232)</td>
<td>ug/kg</td>
<td>ND</td>
<td>33.4</td>
<td>15.2</td>
<td>06/17/19 11:03</td>
<td></td>
</tr>
<tr>
<td>Decachlorobiphenyl (S)</td>
<td>%</td>
<td>83</td>
<td>10-130</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LABORATORY CONTROL SAMPLE:** 2603338

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Spike Conc.</th>
<th>LCS Result</th>
<th>LCS % Rec</th>
<th>Limits</th>
<th>Qualifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decachlorobiphenyl (S)</td>
<td>%</td>
<td></td>
<td>84</td>
<td>10-130</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MATRIX SPIKE SAMPLE:** 2603339

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>92433182001</th>
<th>Spike Conc.</th>
<th>MS Result</th>
<th>MS % Rec</th>
<th>Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decachlorobiphenyl (S)</td>
<td>%</td>
<td></td>
<td>83</td>
<td>10-130</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SAMPLE DUPLICATE:** 2603340

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>92433182002</th>
<th>Dup Result</th>
<th>RPD</th>
<th>Max RPD</th>
<th>Qualifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB-1232 (Aroclor 1232)</td>
<td>ug/kg</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>Decachlorobiphenyl (S)</td>
<td>%</td>
<td>76</td>
<td>81</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Results presented on this page are in the units indicated by the “Units” column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.
**QUALITY CONTROL DATA**

Project: 137-267  
Pace Project No.: 92432687

QC Batch: 481075  
QC Batch Method: ASTM D2974-87  
Analysis Method: ASTM D2974-87  
Analysis Description: Dry Weight/Percent Moisture  
Associated Lab Samples: 92432687001

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Dup Result</th>
<th>Max RPD</th>
<th>Qualifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent Moisture</td>
<td>%</td>
<td>0.16</td>
<td>0.19</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Units</th>
<th>Dup Result</th>
<th>Max RPD</th>
<th>Qualifiers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent Moisture</td>
<td>%</td>
<td>19.0</td>
<td>18.0</td>
<td>5</td>
</tr>
</tbody>
</table>

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.
QUALIFIERS

Project: 137-267
Pace Project No.: 92432687

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
Acid preservation may not be appropriate for 2-Chloroethylvinyl ether.
A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
### QUALITY CONTROL DATA CROSS REFERENCE TABLE

**Project:** 137-267  
**Pace Project No.:** 92432687

<table>
<thead>
<tr>
<th>Lab ID</th>
<th>Sample ID</th>
<th>QC Batch Method</th>
<th>QC Batch</th>
<th>Analytical Method</th>
<th>Analytical Batch</th>
</tr>
</thead>
<tbody>
<tr>
<td>92432687002</td>
<td>ANO-EB001</td>
<td>EPA 3510C</td>
<td>481089</td>
<td>EPA 8082A</td>
<td>481256</td>
</tr>
<tr>
<td>92432687001</td>
<td>ANO-SB003 (0'-1)</td>
<td>EPA 3546</td>
<td>481275</td>
<td>EPA 8082A</td>
<td>481429</td>
</tr>
<tr>
<td>92432687001</td>
<td>ANO-SB003 (0'-1)</td>
<td>ASTM D2974-87</td>
<td>481075</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Laboratory receiving samples:
- Asheville
- Eden
- Greenwood
- Huntersville
- Raleigh
- Mechanicsville

Client Name: Alicoa-Badip Works

Sample Condition Upon Receipt:

Courier: [ ] Fed Ex
[ ] UPS
[ ] UPS
[ ] Client

Custody Seal Present? [ ] Yes
[ ] No

Packing Material: [ ] Bubble Wrap
[ ] Bubble Bags
[ ] None
[ ] Other

Thermometer:
- [ ] IR Gun ID: 91200
- [ ] Type of Ice: [ ] Wet
[ ] Blue

Cooler Temp (°C): 3.8
Correction Factor: Add/Subtract (°C) -0.1

Cooler Temp Corrected (°C): 3.4

USDA Regulated Soil [ ] N/A, water sample

Date/initials Person Examining Contents: 6/12/14

Biological Tissue Frozen? [ ] Yes
[ ] No
[ ] N/A

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? [ ] Yes
[ ] No

| Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? | [ ] Yes | [ ] No |
| Chain of Custody Present? | [ ] Yes | [ ] No | [ ] N/A |
| Samples Arrived within Hold Time? | [ ] Yes | [ ] No | [ ] N/A |
| Short Hold Time Analysis (<72 hr)? | [ ] Yes | [ ] No | [ ] N/A |
| Rush Turn Around Time Requested? | [ ] Yes | [ ] No | [ ] N/A |
| Sufficient Volume? | [ ] Yes | [ ] No | [ ] N/A |
| Correct Containers Used? | [ ] Yes | [ ] No | [ ] N/A |
| -Pace Containers Used? | [ ] Yes | [ ] No | [ ] N/A |
| Containers Intact? | [ ] Yes | [ ] No | [ ] N/A |
| Dissolved analysis: Samples Field Filtered? | [ ] Yes | [ ] No | [ ] N/A |
| Sample Labels Match COD? | [ ] Yes | [ ] No | [ ] N/A |
| -Includes Date/Time/ID/Analysis Matrix: W.T |
| Headspace in VOA Vials (>3-6mm)? | [ ] Yes | [ ] No | [ ] N/A |
| Trip Blank Present? | [ ] Yes | [ ] No | [ ] N/A |
| Trip Blank Custody Seals Present? | [ ] Yes | [ ] No | [ ] N/A |

Comments/Discrepancy:

Client Notification/Resolution:

Person contacted: ____________________________ Date/Time: ____________________________

Project Manager SCURF Review: ____________________________ Date: ____________

Project Manager SRF Review: ____________________________ Date: ____________

Lot ID of split containers:

Field Data Required? [ ] Yes [ ] No
*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRC/0015 (water) DOC, LLHg

**Bottom half of box is to list number of bottle

---

<table>
<thead>
<tr>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
<th>05</th>
<th>06</th>
<th>07</th>
<th>08</th>
<th>09</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PH Adjustment Log for Preserved Samples**

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Type of Preservative</th>
<th>pH upon receipt</th>
<th>Date preservation adjusted</th>
<th>Time preservation adjusted</th>
<th>Amount of Preservative added</th>
<th>Lot #</th>
</tr>
</thead>
</table>

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHRA Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.)
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>MATRIX CODE</th>
<th>MATRIX TYPE</th>
<th>START</th>
<th>END</th>
<th>SAMPLE TEMP AT COLLECTION</th>
<th>No. UNPACKED</th>
<th>DATE</th>
<th>TIME</th>
<th>DATE</th>
<th>TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SL</td>
<td>ANO-S8003</td>
<td>6</td>
<td>1930</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>SL</td>
<td>ANO-S8004</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>SL</td>
<td>ANO-S8005</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>SL</td>
<td>ANO-S8006</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>SL</td>
<td>ANO-S8007</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>WT</td>
<td>ANO-S8009</td>
<td>6</td>
<td>1350</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Preservatives**
- H3304
- HN03
- HN09
- HN04
- HN05
- Other

**Sample Details**
- Received by: [Signature]
- Date: [Date]
- Accepted by: [Signature]
- Date: [Date]

**Comment**
- [Comment]

**Signature of Sampler:** [Signature]
**Date Signed:** [Date]
**Received on:** [Date]
**Sample:** [Date]
**Sample Code:** [Code]
**Sample Type:** [Type]

**Notes:**
- [Notes]

**Sample ID**
- One Character per box (A-Z, 0-9, .)
- Sample IDs must be unique