NACHO Data Report for bulk δ^{13}C and δ^{15}N

XXX

LABORATORY

UW Facility for Compound-Specific Isotope Analysis of Environmental Samples (known informally a NACHO) College of the Environment University of Washington Director is Gordon Holtgrieve, gholt@uw.edu, 206-227-9930

METHOD

Your solid samples were analyzed for bulk δ^{13}C and δ^{15}N on a ThermoFinnigan Delta V with a Carlo Erba elemental analyzer in continuous flow mode following the general method of Fry et al. 1992. Automated analysis system for coupled d13C and d15N measurements. Analytical Chemistry 64, 288-291.

ANALYSIS

Date of Analysis (MM/DD/YY):
Original Filename(s):
Reduced Standards Filename: Reduced Samples Filename:
Run type: bulk C and N
Run comments:

REFERENCE MATERIALS

All internationally recognized reference material accepted values can be found at the CIAAW. Typically we use IsoLab working standards GA1, GA2, and Bristol Bay Sockeye (salmon) on NACHO. You can find information about these standards on the IsoLab web page. Below are data specific to this run:

ZEROS & BLANKS

The table below includes measurable blanks and zeros. Blanks are empty tins while zeros are no tin or sample. The table below, if given, contains the data for blanks and zero from this run. No table indicates blanks and zeros were not measurable. Blank correction has not been implemented in the script.

MASS EFFECTS

Your data were analysed for effects of sample mass on peak area and isotopic ratios. Ideally, there should be a strong linear response of mass C (or N) in the standard on area 44 (or 28) and no effect of peak area on

δ^{13}C or δ^{15}N.

SAMPLE MASS CHECK

Not implemented yet.

SAMPLE DATA

DATA REDUCTION DETAILS

```
##
##
## |                       |           |
## |:----------------------|:----------|
## |File rendered on:      |21 Sep 2022 |
## |R version:             |4.2.1       |
## |HEEL package version: |0.3.2       |
```