**Supplementary Data for Quantification of Hydrazine in Human Urine by HPLC-MS/MS**

Samantha L. Isenberg;1 Melissa D. Carter;2\* Brian S. Crow;2 Leigh Ann Graham;1 Darryl Johnson;3 Nick Beninato;4 Kandace Steele;3 Jerry D. Thomas;2 Rudolph C. Johnson2

*1Battelle Memorial Institute at the Centers for Disease Control and Prevention, Atlanta, GA*

*2Division of Laboratory Sciences, National Center for Environmental Health, Centers for Disease Control and Prevention, Atlanta, GA*

*3Oak Ridge Institute for Science and Education Fellow at the Centers for Disease Control and Prevention, Atlanta, GA*

*4New Mexico Department of Health, Scientific Lab Division – Chemical Threat Analytical Response Section, Albuquerque, NM*

*\*Correspondence to: M.D. Carter, Division of Laboratory Sciences, Centers for Disease Control and Prevention, Atlanta, GA 30341, USA. Email* [*vsm8@cdc.gov*](mailto:vsm8@cdc.gov)

Table of Contents

**Table S1.** HZ in pooled urine and deionized water S2

**Figure S1.** Stability of HZ in urine at low and high-level QCs S2

**Table S1.** Peak area of HZ quantitation ion in blank urine, double blank urine, deionized water and unfiltered deionized water.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Blank** | **Double Blank** | **Water** | **Unfiltered Water** |
| **Peak area** | (1.31 ± 0.15) × 104 | (1.24 ± 0.14) × 104 | (4.10 ± 0.78) × 103 | (4.89 ± 1.03) × 103 |



**Figure S1.** Stability of HZ in human urine at (-●-) -20 °C, (-□-) 4 °C and (-▲-) 37 °C where (A) represents QL and (B) represents QH. Error bars represent standard deviation (*n=3*). These data indicate that HZ stock solutions should be stored at -20 °C or less.