# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081523\
Data File : BP016597.D
Acq On : 15 Aug 2023 17:19
Operator : MA/JU
Sample : SSTDCCC020EC
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC020EC

Quant Time: Aug 15 18:21:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP081423.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 14 18:26:05 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 165 | 0.00 |
| 2 | | 1,4-Dioxane | 8.000 | 8.147 | -1.8 | 165 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 8.000 | 8.243 | -3.0 | 168 | 0.00 |
| 4 | S | Pyridine-d5 | 20.000 | 20.528 | -2.6 | 165 | 0.00 |
| 5 | | Pyridine | 20.000 | 20.573 | -2.9 | 165 | 0.00 |
| 6 | | Benzaldehyde | 20.000 | 24.175 | -20.9 | 161 | 0.00 |
| 7 | S | Phenol-d5 | 20.000 | 20.564 | -2.8 | 165 | 0.00 |
| 8 | | Phenol | 20.000 | 20.571 | -2.9 | 161 | 0.00 |
| 9 | S | Bis-(2-Chloroethyl)ether-d8 | 20.000 | 20.284 | -1.4 | 159 | 0.00 |
| 10 | | Bis(2-Chloroethyl)ether | 20.000 | 20.276 | -1.4 | 159 | 0.00 |
| 11 | S | 2-Chlorophenol-d4 | 20.000 | 21.930 | -9.6 | 171 | 0.00 |
| 12 | | 2-Chlorophenol | 20.000 | 21.199 | -6.0 | 166 | 0.00 |
| 13 | | 2-Methylphenol | 20.000 | 20.652 | -3.3 | 163 | 0.00 |
| 14 | | 2,2'-oxybis(1-Chloropropane | 20.000 | 20.170 | -0.9 | 155 | 0.00 |
| 15 | S | 4-Methylphenol-d8 | 20.000 | 20.853 | -4.3 | 165 | 0.00 |
| 16 | | Acetophenone | 20.000 | 20.431 | -2.2 | 154 | 0.00 |
| 17 | P | N-Nitroso-di-n-propylamine | 20.000 | 20.379 | -1.9 | 155 | 0.00 |
| 18 | | 4-Methylphenol | 20.000 | 20.511 | -2.6 | 159 | 0.00 |
| 19 | | Hexachloroethane | 20.000 | 20.765 | -3.8 | 168 | 0.00 |
| 20 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 155 | 0.00 |
| 21 | S | Nitrobenzene-d5 | 20.000 | 22.872 | -14.4 | 170 | 0.00 |
| 22 | | Nitrobenzene | 20.000 | 21.806 | -9.0 | 160 | 0.00 |
| 23 | | Isophorone | 20.000 | 21.571 | -7.9 | 156 | 0.00 |
| 24 | S | 2-Nitrophenol-d4 | 20.000 | 24.062 | -20.3 | 183 | 0.00 |
| 25 | C | 2-Nitrophenol | 20.000 | 23.479 | -17.4 | 172 | 0.00 |
| 26 | | 2,4-Dimethylphenol | 20.000 | 21.792 | -9.0 | 158 | 0.00 |
| 27 | | Bis(2-Chloroethoxy)methane | 20.000 | 20.678 | -3.4 | 152 | 0.00 |
| 28 | S | 2,4-Dichlorophenol-d3 | 20.000 | 23.161 | -15.8 | 167 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 20.000 | 22.616 | -13.1 | 163 | 0.00 |
| 30 | | Naphthalene | 20.000 | 20.832 | -4.2 | 154 | 0.00 |
| 31 | S | 4-Chloroaniline-d4 | 20.000 | 20.956 | -4.8 | 153 | 0.00 |
| 32 | | 4-Chloroaniline | 20.000 | 20.921 | -4.6 | 151 | 0.00 |
| 33 | C | Hexachlorobutadiene | 20.000 | 21.463 | -7.3 | 163 | 0.00 |
| 34 | | Caprolactam | 20.000 | 20.751 | -3.8 | 155 | 0.00 |
| 35 | C | 4-Chloro-3-methylphenol | 20.000 | 21.847 | -9.2 | 156 | 0.00 |
| 36 | | 2-Methylnaphthalene | 20.000 | 20.703 | -3.5 | 152 | 0.00 |
| 37 | | 1-Methylnaphthalene | 20.000 | 20.839 | -4.2 | 152 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 147 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 20.000 | 21.787 | -8.9 | 156 | 0.00 |
| 40 | | Hexachlorocyclopentadiene | 20.000 | 17.140 | 14.3 | 135 | 0.00 |
| 41 | C | 2,4,6-Trichlorophenol | 20.000 | 23.665 | -18.3 | 164 | 0.00 |
| 42 | | 2,4,5-Trichlorophenol | 20.000 | 23.497 | -17.5 | 161 | 0.00 |
| 43 | | 1,1'-Biphenyl | 20.000 | 20.839 | -4.2 | 147 | 0.00 |
| 44 | | 2-Chloronaphthalene | 20.000 | 21.349 | -6.7 | 151 | 0.00 |
| 45 | | 2-Nitroaniline | 20.000 | 23.268 | -16.3 | 160 | 0.00 |
| 46 | S | Dimethylphthalate-d6 | 20.000 | 20.894 | -4.5 | 146 | 0.00 |
| 47 | | Dimethylphthalate | 20.000 | 20.596 | -3.0 | 143 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2,6-Dinitrotoluene | 20.000 | 23.113 | -15.6 | 158 | 0.00 |
| 49 | S | Acenaphthylene-d8 | 20.000 | 22.073 | -10.4 | 150 | 0.00 |
| 50 | | Acenaphthylene | 20.000 | 21.499 | -7.5 | 148 | 0.00 |
| 51 | | 3-Nitroaniline | 20.000 | 23.324 | -16.6 | 159 | 0.00 |
| 52 | C | Acenaphthene | 20.000 | 20.885 | -4.4 | 147 | 0.00 |
| 53 | | 2,4-Dinitrophenol | 20.000 | 15.315 | 23.4 | 136 | 0.00 |
| 54 | S | 4-Nitrophenol-d4 | 20.000 | 20.987 | -4.9 | 148 | 0.00 |
| 55 | | 4-Nitrophenol | 20.000 | 20.884 | -4.4 | 143 | 0.00 |
| 56 | | Dibenzofuran | 20.000 | 20.672 | -3.4 | 144 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 20.000 | 22.977 | -14.9 | 152 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 20.000 | 22.957 | -14.8 | 157 | 0.00 |
| 59 | | Diethylphthalate | 20.000 | 20.576 | -2.9 | 143 | 0.00 |
| 60 | S | Fluorene-d10 | 20.000 | 21.036 | -5.2 | 146 | 0.00 |
| 61 | | Fluorene | 20.000 | 20.723 | -3.6 | 143 | 0.00 |
| 62 | | 4-Chlorophenyl-phenylether | 20.000 | 20.841 | -4.2 | 146 | 0.00 |
| 63 | | 4-Nitroaniline | 20.000 | 24.151 | -20.8 | 155 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 143 | 0.00 |
| 65 | S | 4,6-Dinitro-2-methylphenol- | 20.000 | 17.875 | 10.6 | 137 | 0.00 |
| 66 | | 4,6-Dinitro-2-methylphenol | 20.000 | 18.019 | 9.9 | 136 | 0.00 |
| 67 | | N-Nitrosodiphenylamine | 20.000 | 21.605 | -8.0 | 145 | 0.00 |
| 68 | | 4-Bromophenyl-phenylether | 20.000 | 21.770 | -8.8 | 149 | 0.00 |
| 69 | | Hexachlorobenzene | 20.000 | 21.251 | -6.3 | 146 | 0.00 |
| 70 | | Atrazine | 20.000 | 21.353 | -6.8 | 146 | 0.00 |
| 71 | C | Pentachlorophenol | 20.000 | 21.648 | -8.2 | 159 | 0.00 |
| 72 | | Phenanthrene | 20.000 | 20.975 | -4.9 | 141 | 0.00 |
| 73 | S | Anthracene-d10 | 20.000 | 21.499 | -7.5 | 142 | 0.00 |
| 74 | | Anthracene | 20.000 | 21.226 | -6.1 | 141 | 0.00 |
| 75 | | 1,2,3,4-Tetrachlorobenzene | 20.000 | 22.317 | -11.6 | 155 | 0.00 |
| 76 | | Pentachlorobenzene | 20.000 | 21.897 | -9.5 | 151 | 0.00 |
| 77 | | Carbazole | 20.000 | 21.461 | -7.3 | 140 | 0.00 |
| 78 | | Di-n-butylphthalate | 20.000 | 22.437 | -12.2 | 145 | 0.00 |
| 79 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 133 | 0.00 |
| 80 | | Fluoranthene | 20.000 | 22.247 | -11.2 | 141 | 0.00 |
| 81 | S | Pyrene-d10 | 20.000 | 22.500 | -12.5 | 142 | 0.00 |
| 82 | | Pyrene | 20.000 | 22.061 | -10.3 | 139 | 0.00 |
| 83 | | Butylbenzylphthalate | 20.000 | 23.914 | -19.6 | 148 | 0.00 |
| 84 | | 3,3'-Dichlorobenzidine | 20.000 | 20.637 | -3.2 | 133 | 0.00 |
| 85 | | Benzo(a)anthracene | 20.000 | 21.407 | -7.0 | 136 | 0.00 |
| 86 | | Bis(2-ethylhexyl)phthalate | 20.000 | 24.071 | -20.4 | 148 | 0.00 |
| 87 | | Chrysene | 20.000 | 21.173 | -5.9 | 136 | 0.00 |
| 88 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 89 | | Di-n-octyl phthalate | 20.000 | 24.717 | -23.6 | 147 | 0.00 |
| 90 | | Benzo(b)fluoranthene | 20.000 | 21.449 | -7.2 | 124 | 0.00 |
| 91 | | Benzo(k)fluoranthene | 20.000 | 21.789 | -8.9 | 126 | 0.00 |
| 92 | S | Benzo(a)pyrene-d12 | 20.000 | 21.697 | -8.5 | 123 | 0.00 |
| 93 | C | Benzo(a)pyrene | 20.000 | 20.999 | -5.0 | 120 | 0.00 |

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|---|---|---|---|---|---|---|
| 94 | Indeno(1,2,3-cd)pyrene | 20.000 | 19.588 | 2.1 | 113 | 0.00 |
| 95 | Dibenzo(a,h)anthracene | 20.000 | 19.519 | 2.4 | 112 | 0.00 |
| 96 | Benzo(g,h,i)perylene | 20.000 | 19.169 | 4.2 | 111 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0