Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081523\
Data File : BP016585.D
Acq On : 15 Aug 2023 08:46
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC020

Quant Time: Aug 15 17:17:52 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 184# | 0.00 |
| 2 | | 1,4-Dioxane | 0.579 | 0.576 | 0.5 | 181# | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.526 | 0.530 | -0.8 | 183# | 0.00 |
| 4 | S | Pyridine-d5 | 1.601 | 1.649 | -3.0 | 185# | 0.00 |
| 5 | | Pyridine | 1.661 | 1.707 | -2.8 | 184# | 0.00 |
| 6 | | Benzaldehyde | 1.016 | 1.222 | -20.3 | 178# | 0.00 |
| 7 | S | Phenol-d5 | 1.844 | 1.901 | -3.1 | 184# | 0.00 |
| 8 | | Phenol | 1.971 | 2.030 | -3.0 | 180# | 0.00 |
| 9 | S | Bis-(2-Chloroethyl)ether-d8 | 1.214 | 1.236 | -1.8 | 179# | 0.00 |
| 10 | | Bis(2-Chloroethyl)ether | 1.592 | 1.616 | -1.5 | 178# | 0.00 |
| 11 | S | 2-Chlorophenol-d4 | 1.324 | 1.434 | -8.3 | 188# | 0.00 |
| 12 | | 2-Chlorophenol | 1.393 | 1.481 | -6.3 | 186# | 0.00 |
| 13 | | 2-Methylphenol | 1.431 | 1.486 | -3.8 | 182# | 0.00 |
| 14 | | 2,2'-oxybis(1-Chloropropane | 2.219 | 2.257 | -1.7 | 175# | 0.00 |
| 15 | S | 4-Methylphenol-d8 | 1.466 | 1.521 | -3.8 | 183# | 0.00 |
| 16 | | Acetophenone | 2.368 | 2.447 | -3.3 | 174# | 0.00 |
| 17 | P | N-Nitroso-di-n-propylamine | 1.270 | 1.310 | -3.1 | 176# | 0.00 |
| 18 | | 4-Methylphenol | 1.573 | 1.624 | -3.2 | 179# | 0.00 |
| 19 | | Hexachloroethane | 0.582 | 0.602 | -3.4 | 187# | 0.00 |
| 20 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 175# | 0.00 |
| 21 | S | Nitrobenzene-d5 | 0.141 | 0.159 | -12.8 | 191# | 0.00 |
| 22 | | Nitrobenzene | 0.394 | 0.426 | -8.1 | 180# | 0.00 |
| 23 | | Isophorone | 0.744 | 0.806 | -8.3 | 178# | 0.00 |
| 24 | S | 2-Nitrophenol-d4 | 0.134 | 0.160 | -19.4 | 206# | 0.00 |
| 25 | C | 2-Nitrophenol | 0.153 | 0.179 | -17.0 | 194# | 0.00 |
| 26 | | 2,4-Dimethylphenol | 0.360 | 0.390 | -8.3 | 178# | 0.00 |
| 27 | | Bis(2-Chloroethoxy)methane | 0.477 | 0.491 | -2.9 | 172# | 0.00 |
| 28 | S | 2,4-Dichlorophenol-d3 | 0.263 | 0.303 | -15.2 | 189# | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.271 | 0.305 | -12.5 | 184# | 0.00 |
| 30 | | Naphthalene | 1.045 | 1.083 | -3.6 | 174# | 0.00 |
| 31 | S | 4-Chloroaniline-d4 | 0.451 | 0.471 | -4.4 | 173# | 0.00 |
| 32 | | 4-Chloroaniline | 0.447 | 0.461 | -3.1 | 169# | 0.00 |
| 33 | C | Hexachlorobutadiene | 0.163 | 0.174 | -6.7 | 185# | 0.00 |
| 34 | | Caprolactam | 0.105 | 0.111 | -5.7 | 179# | 0.00 |
| 35 | C | 4-Chloro-3-methylphenol | 0.331 | 0.364 | -10.0 | 178# | 0.00 |
| 36 | | 2-Methylnaphthalene | 0.700 | 0.734 | -4.9 | 175# | 0.00 |
| 37 | | 1-Methylnaphthalene | 0.705 | 0.737 | -4.5 | 173# | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 169# | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.535 | 0.577 | -7.9 | 178# | 0.00 |
| 40 | | Hexachlorocyclopentadiene | 0.325 | 0.286 | 12.0 | 159# | 0.00 |
| 41 | C | 2,4,6-Trichlorophenol | 0.333 | 0.391 | -17.4 | 187# | 0.00 |
| 42 | | 2,4,5-Trichlorophenol | 0.361 | 0.423 | -17.2 | 185# | 0.00 |
| 43 | | 1,1'-Biphenyl | 1.487 | 1.552 | -4.4 | 170# | 0.00 |
| 44 | | 2-Chloronaphthalene | 1.157 | 1.223 | -5.7 | 172# | 0.00 |
| 45 | | 2-Nitroaniline | 0.350 | 0.412 | -17.7 | 186# | 0.00 |
| 46 | S | Dimethylphthalate-d6 | 1.447 | 1.532 | -5.9 | 170# | 0.00 |
| 47 | | Dimethylphthalate | 1.479 | 1.528 | -3.3 | 165# | 0.00 |

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Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_P
**LabSampleId :**
SSTDCCC020

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2,6-Dinitrotoluene | 0.256 | 0.303 | -18.4 | 187# | 0.00 |
| 49 | S | Acenaphthylene-d8 | 1.633 | 1.801 | -10.3 | 173# | 0.00 |
| 50 | | Acenaphthylene | 1.923 | 2.068 | -7.5 | 170# | 0.00 |
| 51 | | 3-Nitroaniline | 0.287 | 0.338 | -17.8 | 185# | 0.00 |
| 52 | C | Acenaphthene | 1.287 | 1.341 | -4.2 | 168# | 0.00 |
| 53 | | 2,4-Dinitrophenol | 0.143 | 0.114 | 20.3 | 162# | 0.00 |
| 54 | S | 4-Nitrophenol-d4 | 0.295 | 0.314 | -6.4 | 173# | 0.00 |
| 55 | | 4-Nitrophenol | 0.240 | 0.253 | -5.4 | 167# | 0.00 |
| 56 | | Dibenzofuran | 1.756 | 1.807 | -2.9 | 165# | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.384 | 0.448 | -16.7 | 178# | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.302 | 0.348 | -15.2 | 181# | 0.00 |
| 59 | | Diethylphthalate | 1.512 | 1.577 | -4.3 | 166# | 0.00 |
| 60 | S | Fluorene-d10 | 1.233 | 1.304 | -5.8 | 169# | 0.00 |
| 61 | | Fluorene | 1.440 | 1.506 | -4.6 | 166# | 0.00 |
| 62 | | 4-Chlorophenyl-phenylether | 0.676 | 0.705 | -4.3 | 168# | 0.00 |
| 63 | | 4-Nitroaniline | 0.275 | 0.335 | -21.8 | 180# | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 166# | 0.00 |
| 65 | S | 4,6-Dinitro-2-methylphenol- | 0.095 | 0.087 | 8.4 | 164# | 0.00 |
| 66 | | 4,6-Dinitro-2-methylphenol | 0.105 | 0.096 | 8.6 | 160# | 0.00 |
| 67 | | N-Nitrosodiphenylamine | 0.542 | 0.584 | -7.7 | 168# | 0.00 |
| 68 | | 4-Bromophenyl-phenylether | 0.179 | 0.195 | -8.9 | 174# | 0.00 |
| 69 | | Hexachlorobenzene | 0.209 | 0.222 | -6.2 | 171# | 0.00 |
| 70 | | Atrazine | 0.195 | 0.213 | -9.2 | 173# | 0.00 |
| 71 | C | Pentachlorophenol | 0.128 | 0.140 | -9.4 | 187# | 0.00 |
| 72 | | Phenanthrene | 1.054 | 1.092 | -3.6 | 163# | 0.00 |
| 73 | S | Anthracene-d10 | 0.865 | 0.933 | -7.9 | 166# | 0.00 |
| 74 | | Anthracene | 1.058 | 1.118 | -5.7 | 164# | 0.00 |
| 75 | | 1,2,3,4-Tetrachlorobenzene | 0.254 | 0.278 | -9.4 | 178# | 0.00 |
| 76 | | Pentachlorobenzene | 0.228 | 0.245 | -7.5 | 173# | 0.00 |
| 77 | | Carbazole | 0.975 | 1.045 | -7.2 | 163# | 0.00 |
| 78 | | Di-n-butylphthalate | 1.129 | 1.284 | -13.7 | 171# | 0.00 |
| 79 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 154# | 0.00 |
| 80 | | Fluoranthene | 1.251 | 1.408 | -12.5 | 165# | 0.00 |
| 81 | S | Pyrene-d10 | 1.048 | 1.189 | -13.5 | 165# | 0.00 |
| 82 | | Pyrene | 1.321 | 1.461 | -10.6 | 161# | 0.00 |
| 83 | | Butylbenzylphthalate | 0.532 | 0.653 | -22.7 | 176# | 0.00 |
| 84 | | 3,3'-Dichlorobenzidine | 0.436 | 0.443 | -1.6 | 151# | 0.00 |
| 85 | | Benzo(a)anthracene | 1.344 | 1.455 | -8.3 | 159# | 0.00 |
| 86 | | Bis(2-ethylhexyl)phthalate | 0.772 | 0.963 | -24.7 | 178# | 0.00 |
| 87 | | Chrysene | 1.258 | 1.323 | -5.2 | 156# | 0.00 |
| 88 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 143 | 0.00 |
| 89 | | Di-n-octyl phthalate | 1.248 | 1.564 | -25.3# | 175# | 0.00 |
| 90 | | Benzo(b)fluoranthene | 1.191 | 1.305 | -9.6 | 149 | 0.00 |
| 91 | | Benzo(k)fluoranthene | 1.181 | 1.278 | -8.2 | 147 | 0.00 |
| 92 | S | Benzo(a)pyrene-d12 | 0.958 | 1.046 | -9.2 | 145 | 0.00 |
| 93 | C | Benzo(a)pyrene | 1.123 | 1.194 | -6.3 | 142 | 0.00 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 94 | Indeno(1,2,3-cd)pyrene | 1.326 | 1.291 | 2.6 | 131 | 0.00 |
| 95 | Dibenzo(a,h)anthracene | 1.103 | 1.080 | 2.1 | 132 | 0.00 |
| 96 | Benzo(g,h,i)perylene | 1.055 | 1.010 | 4.3 | 130 | 0.00 |

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