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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 184 | 0.00 |
| 2 | | 1,4-Dioxane | 8.000 | 7.967 | 0.4 | 181 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 8.000 | 8.051 | -0.6 | 183 | 0.00 |
| 4 | S | Pyridine-d5 | 20.000 | 20.594 | -3.0 | 185 | 0.00 |
| 5 | | Pyridine | 20.000 | 20.554 | -2.8 | 184 | 0.00 |
| 6 | | Benzaldehyde | 20.000 | 24.049 | -20.2 | 178 | 0.00 |
| 7 | S | Phenol-d5 | 20.000 | 20.619 | -3.1 | 184 | 0.00 |
| 8 | | Phenol | 20.000 | 20.597 | -3.0 | 180 | 0.00 |
| 9 | S | Bis-(2-Chloroethyl)ether-d8 | 20.000 | 20.361 | -1.8 | 179 | 0.00 |
| 10 | | Bis(2-Chloroethyl)ether | 20.000 | 20.298 | -1.5 | 178 | 0.00 |
| 11 | S | 2-Chlorophenol-d4 | 20.000 | 21.662 | -8.3 | 188 | 0.00 |
| 12 | | 2-Chlorophenol | 20.000 | 21.260 | -6.3 | 186 | 0.00 |
| 13 | | 2-Methylphenol | 20.000 | 20.761 | -3.8 | 182 | 0.00 |
| 14 | | 2,2'-oxybis(1-Chloropropane | 20.000 | 20.352 | -1.8 | 175 | 0.00 |
| 15 | S | 4-Methylphenol-d8 | 20.000 | 20.755 | -3.8 | 183 | 0.00 |
| 16 | | Acetophenone | 20.000 | 20.668 | -3.3 | 174 | 0.00 |
| 17 | P | N-Nitroso-di-n-propylamine | 20.000 | 20.633 | -3.2 | 176 | 0.00 |
| 18 | | 4-Methylphenol | 20.000 | 20.645 | -3.2 | 179 | 0.00 |
| 19 | | Hexachloroethane | 20.000 | 20.686 | -3.4 | 187 | 0.00 |
| 20 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 175 | 0.00 |
| 21 | S | Nitrobenzene-d5 | 20.000 | 22.597 | -13.0 | 191 | 0.00 |
| 22 | | Nitrobenzene | 20.000 | 21.616 | -8.1 | 180 | 0.00 |
| 23 | | Isophorone | 20.000 | 21.667 | -8.3 | 178 | 0.00 |
| 24 | S | 2-Nitrophenol-d4 | 20.000 | 23.936 | -19.7 | 206 | 0.00 |
| 25 | C | 2-Nitrophenol | 20.000 | 23.445 | -17.2 | 194 | 0.00 |
| 26 | | 2,4-Dimethylphenol | 20.000 | 21.638 | -8.2 | 178 | 0.00 |
| 27 | | Bis(2-Chloroethoxy)methane | 20.000 | 20.592 | -3.0 | 172 | 0.00 |
| 28 | S | 2,4-Dichlorophenol-d3 | 20.000 | 23.057 | -15.3 | 189 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 20.000 | 22.540 | -12.7 | 184 | 0.00 |
| 30 | | Naphthalene | 20.000 | 20.719 | -3.6 | 174 | 0.00 |
| 31 | S | 4-Chloroaniline-d4 | 20.000 | 20.869 | -4.3 | 173 | 0.00 |
| 32 | | 4-Chloroaniline | 20.000 | 20.643 | -3.2 | 169 | 0.00 |
| 33 | C | Hexachlorobutadiene | 20.000 | 21.389 | -6.9 | 185 | 0.00 |
| 34 | | Caprolactam | 20.000 | 20.934 | -4.7 | 179 | 0.00 |
| 35 | C | 4-Chloro-3-methylphenol | 20.000 | 22.017 | -10.1 | 178 | 0.00 |
| 36 | | 2-Methylnaphthalene | 20.000 | 20.966 | -4.8 | 175 | 0.00 |
| 37 | | 1-Methylnaphthalene | 20.000 | 20.920 | -4.6 | 173 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 169 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 20.000 | 21.557 | -7.8 | 178 | 0.00 |
| 40 | | Hexachlorocyclopentadiene | 20.000 | 17.558 | 12.2 | 159 | 0.00 |
| 41 | C | 2,4,6-Trichlorophenol | 20.000 | 23.490 | -17.4 | 187 | 0.00 |
| 42 | | 2,4,5-Trichlorophenol | 20.000 | 23.467 | -17.3 | 185 | 0.00 |
| 43 | | 1,1'-Biphenyl | 20.000 | 20.881 | -4.4 | 170 | 0.00 |
| 44 | | 2-Chloronaphthalene | 20.000 | 21.142 | -5.7 | 172 | 0.00 |
| 45 | | 2-Nitroaniline | 20.000 | 23.538 | -17.7 | 186 | 0.00 |
| 46 | S | Dimethylphthalate-d6 | 20.000 | 21.175 | -5.9 | 170 | 0.00 |
| 47 | | Dimethylphthalate | 20.000 | 20.665 | -3.3 | 165 | 0.00 |

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Misc :
ALS Vial : 2 Sample Multiplier: 1

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**LabSampleId :**
SSTDCCC020

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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 | 23.677 | -18.4 | 187 | 0.00 |
| 49 | S | Acenaphthylene-d8 | 20.000 | 22.062 | -10.3 | 173 | 0.00 |
| 50 | | Acenaphthylene | 20.000 | 21.509 | -7.5 | 170 | 0.00 |
| 51 | | 3-Nitroaniline | 20.000 | 23.567 | -17.8 | 185 | 0.00 |
| 52 | C | Acenaphthene | 20.000 | 20.834 | -4.2 | 168 | 0.00 |
| 53 | | 2,4-Dinitrophenol | 20.000 | 15.926 | 20.4 | 162 | 0.00 |
| 54 | S | 4-Nitrophenol-d4 | 20.000 | 21.301 | -6.5 | 173 | 0.00 |
| 55 | | 4-Nitrophenol | 20.000 | 21.133 | -5.7 | 167 | 0.00 |
| 56 | | Dibenzofuran | 20.000 | 20.582 | -2.9 | 165 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 20.000 | 23.381 | -16.9 | 178 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 20.000 | 23.045 | -15.2 | 181 | 0.00 |
| 59 | | Diethylphthalate | 20.000 | 20.853 | -4.3 | 166 | 0.00 |
| 60 | S | Fluorene-d10 | 20.000 | 21.149 | -5.7 | 169 | 0.00 |
| 61 | | Fluorene | 20.000 | 20.913 | -4.6 | 166 | 0.00 |
| 62 | | 4-Chlorophenyl-phenylether | 20.000 | 20.847 | -4.2 | 168 | 0.00 |
| 63 | | 4-Nitroaniline | 20.000 | 24.382 | -21.9 | 180 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 166 | 0.00 |
| 65 | S | 4,6-Dinitro-2-methylphenol- | 20.000 | 18.256 | 8.7 | 164 | 0.00 |
| 66 | | 4,6-Dinitro-2-methylphenol | 20.000 | 18.152 | 9.2 | 160 | 0.00 |
| 67 | | N-Nitrosodiphenylamine | 20.000 | 21.534 | -7.7 | 168 | 0.00 |
| 68 | | 4-Bromophenyl-phenylether | 20.000 | 21.824 | -9.1 | 174 | 0.00 |
| 69 | | Hexachlorobenzene | 20.000 | 21.316 | -6.6 | 171 | 0.00 |
| 70 | | Atrazine | 20.000 | 21.816 | -9.1 | 173 | 0.00 |
| 71 | C | Pentachlorophenol | 20.000 | 21.782 | -8.9 | 187 | 0.00 |
| 72 | | Phenanthrene | 20.000 | 20.735 | -3.7 | 163 | 0.00 |
| 73 | S | Anthracene-d10 | 20.000 | 21.565 | -7.8 | 166 | 0.00 |
| 74 | | Anthracene | 20.000 | 21.133 | -5.7 | 164 | 0.00 |
| 75 | | 1,2,3,4-Tetrachlorobenzene | 20.000 | 21.903 | -9.5 | 178 | 0.00 |
| 76 | | Pentachlorobenzene | 20.000 | 21.517 | -7.6 | 173 | 0.00 |
| 77 | | Carbazole | 20.000 | 21.422 | -7.1 | 163 | 0.00 |
| 78 | | Di-n-butylphthalate | 20.000 | 22.744 | -13.7 | 171 | 0.00 |
| 79 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 154 | 0.00 |
| 80 | | Fluoranthene | 20.000 | 22.521 | -12.6 | 165 | 0.00 |
| 81 | S | Pyrene-d10 | 20.000 | 22.684 | -13.4 | 165 | 0.00 |
| 82 | | Pyrene | 20.000 | 22.131 | -10.7 | 161 | 0.00 |
| 83 | | Butylbenzylphthalate | 20.000 | 24.543 | -22.7 | 176 | 0.00 |
| 84 | | 3,3'-Dichlorobenzidine | 20.000 | 20.352 | -1.8 | 151 | 0.00 |
| 85 | | Benzo(a)anthracene | 20.000 | 21.655 | -8.3 | 159 | 0.00 |
| 86 | | Bis(2-ethylhexyl)phthalate | 20.000 | 24.940 | -24.7 | 178 | 0.00 |
| 87 | | Chrysene | 20.000 | 21.030 | -5.2 | 156 | 0.00 |
| 88 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 143 | 0.00 |
| 89 | | Di-n-octyl phthalate | 20.000 | 25.070 | -25.4# | 175 | 0.00 |
| 90 | | Benzo(b)fluoranthene | 20.000 | 21.910 | -9.6 | 149 | 0.00 |
| 91 | | Benzo(k)fluoranthene | 20.000 | 21.636 | -8.2 | 147 | 0.00 |
| 92 | S | Benzo(a)pyrene-d12 | 20.000 | 21.819 | -9.1 | 145 | 0.00 |
| 93 | C | Benzo(a)pyrene | 20.000 | 21.260 | -6.3 | 142 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 94 | Indeno(1,2,3-cd)pyrene | 20.000 | 19.476 | 2.6 | 131 | 0.00 |
| 95 | Dibenzo(a,h)anthracene | 20.000 | 19.575 | 2.1 | 132 | 0.00 |
| 96 | Benzo(g,h,i)perylene | 20.000 | 19.149 | 4.3 | 130 | 0.00 |

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