Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-SIM-BE041921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 19 18:59:35 2021
Response Via : Initial Calibration

Calibration Files
0.1 =BE101302.D 0.2 =BE101303.D 0.4 =BE101304.D 0.8 =BE101305.D 1.6 =BE101306.D 3.2 =BE101307.D 5 =BE101308.D

| | | Compound | 0.1 | 0.2 | 0.4 | 0.8 | 1.6 | 3.2 | 5 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | |
| 2) | | 1,4-Dioxane | 0.866 | 0.850 | 0.748 | 0.677 | 0.665 | 0.632 | 0.561 | 0.714 | 15.84 |
| 3) | | n-Nitrosodimet... | | 0.713 | 0.739 | 0.717 | 0.741 | 0.740 | 0.668 | 0.720 | 3.91 |
| 4) | S | 2-Fluorophenol | 1.205 | 1.213 | 1.118 | 1.061 | 1.107 | 1.098 | 0.995 | 1.114 | 6.90 |
| 5) | S | Phenol-d6 | 1.774 | 1.723 | 1.628 | 1.543 | 1.633 | 1.682 | 1.532 | 1.645 | 5.43 |
| 6) | | bis(2-Chloroet... | 1.405 | 1.388 | 1.345 | 1.294 | 1.312 | 1.288 | 1.150 | 1.312 | 6.43 |
| 7) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | |
| 8) | S | Nitrobenzene-d5 | 0.324 | 0.328 | 0.322 | 0.330 | 0.349 | 0.372 | 0.364 | 0.341 | 5.94 |
| 9) | | Naphthalene | 4.403 | 4.360 | 4.330 | 4.255 | 4.345 | 4.366 | 4.057 | 4.302 | 2.73 |
| 10) | | Hexachlorobuta... | 0.196 | 0.202 | 0.200 | 0.187 | 0.190 | 0.191 | 0.180 | 0.192 | 4.00 |
| 11) | SURR | 2-Methylnaphth... | 0.907 | 0.871 | 0.892 | 0.872 | 0.903 | 0.925 | 0.862 | 0.890 | 2.57 |
| 12) | | 2-Methylnaphth... | 0.705 | 0.698 | 0.724 | 0.723 | 0.754 | 0.773 | 0.724 | 0.729 | 3.61 |
| 13) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 14) | S | 2,4,6-Tribromo... | 0.092 | 0.078 | 0.077 | 0.089 | 0.110 | | 0.089 | | 14.68 |
| 15) | S | 2-Fluorobiphenyl | 1.503 | 1.530 | 1.477 | 1.444 | 1.440 | 1.462 | 1.335 | 1.456 | 4.27 |
| 16) | | Acenaphthylene | 1.346 | 1.378 | 1.425 | 1.495 | 1.634 | 1.777 | 1.682 | 1.534 | 10.79 |
| 17) | | Acenaphthene | 1.111 | 1.117 | 1.090 | 1.104 | 1.127 | 1.170 | 1.083 | 1.115 | 2.59 |
| 18) | | Fluorene | 1.514 | 1.408 | 1.445 | 1.434 | 1.486 | 1.553 | 1.446 | 1.469 | 3.46 |
| 19) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 20) | | 4,6-Dinitro-2-... | 0.015 | 0.017 | 0.021 | 0.027 | 0.046 | 0.067 | 0.080 | 0.039 | 66.71 |
| 21) | | 4-Bromophenyl-... | 0.200 | 0.196 | 0.196 | 0.205 | 0.221 | 0.223 | 0.217 | 0.208 | 5.60 |
| 22) | | Hexachlorobenzene | 0.203 | 0.200 | 0.200 | 0.200 | 0.208 | 0.214 | 0.205 | 0.204 | 2.56 |
| 23) | | Atrazine | 0.135 | 0.132 | 0.132 | 0.143 | 0.170 | 0.196 | 0.190 | 0.157 | 17.97 |
| 24) | | Pentachlorophenol | | 0.003 | 0.005 | 0.009 | 0.018 | 0.033 | 0.043 | 0.018 | 88.67 |
| 25) | | Phenanthrene | 1.167 | 1.165 | 1.137 | 1.135 | 1.163 | 1.207 | 1.111 | 1.155 | 2.67 |
| 26) | | Anthracene | 0.891 | 0.887 | 0.911 | 0.962 | 1.063 | 1.135 | 1.060 | 0.987 | 10.03 |
| 27) | SURR | Fluoranthene-d10 | 5.868 | 6.811 | 6.674 | 6.391 | 6.995 | 7.487 | 6.720 | 6.707 | 7.47 |
| 28) | | Fluoranthene | 1.239 | 1.446 | 1.480 | 1.422 | 1.547 | 1.653 | 1.471 | 1.465 | 8.63 |
| 29) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 30) | | Pyrene | 1.166 | 1.138 | 1.134 | 1.105 | 1.174 | 1.198 | 1.115 | 1.147 | 2.94 |
| 31) | S | Terphenyl-d14 | 0.888 | 0.898 | 0.896 | 0.866 | 0.909 | 0.937 | 0.861 | 0.894 | 2.89 |
| 32) | | Benzo(a)anthra... | 1.194 | 1.169 | 1.177 | 1.195 | 1.266 | 1.285 | 1.215 | 1.214 | 3.67 |
| 33) | | Chrysene | 1.308 | 1.319 | 1.317 | 1.288 | 1.318 | 1.305 | 1.228 | 1.297 | 2.51 |
| 34) | | Bis(2-ethylhex... | 1.457 | 1.141 | 1.278 | 1.246 | 1.534 | 1.791 | 1.873 | 1.474 | 18.89 |
| 35) | | Indeno(1,2,3-c... | 1.248 | 1.236 | 1.291 | 1.292 | 1.298 | 1.282 | 1.244 | 1.270 | 2.07 |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 36) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 37) | | Benzo(b)fluora... | 1.212 | 1.240 | 1.195 | 1.195 | 1.303 | 1.342 | 1.258 | 1.249 | 4.50 |
| 38) | | Benzo(k)fluora... | 1.390 | 1.341 | 1.343 | 1.330 | 1.391 | 1.416 | 1.362 | 1.368 | 2.33 |
| 39) | C | Benzo(a)pyrene | 1.037 | 1.042 | 1.041 | 1.079 | 1.177 | 1.217 | 1.166 | 1.108 | 6.86 |
| 40) | | Dibenzo(a,h)an... | 1.089 | 1.084 | 1.114 | 1.114 | 1.194 | 1.237 | 1.181 | 1.145 | 5.16 |
| 41) | | Benzo(g,h,i)pe... | 1.123 | 1.142 | 1.126 | 1.119 | 1.200 | 1.228 | 1.171 | 1.158 | 3.69 |

(#) = Out of Range