Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
Data File : BF103193.D
Acq On : 23 Feb 2018 12:25
Operator : SJ/JU
Sample : J1161-03
Misc : MDL-S-8ppm
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MDL-SOIL-03-QT1-2018

**Manual Integrations APPROVED**
Sohil
2/26/2018 9:54:36 AM

Quant Time: Feb 23 12:55:09 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 173095 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 763415 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.91 | 164 | 353890 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.40 | 188 | 604884 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.07 | 240 | 453170 | 20.00 | ng | | 0.02 |
| 86) Perylene-d12 | 15.60 | 264 | 433284 | 20.00 | ng | | 0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 1282471 | 112.06 | ng | | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 1569851 | 112.10 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 1177826 | 88.11 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 343717 | 114.75 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1753046 | 85.42 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.99 | 244 | 1406746 | 74.62 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.65 | 88 | 45502 | 7.528 | ng | | 94 |
| 3) Pyridine | 3.53 | 79 | 120229m | 7.450 | ng | | |
| 4) n-Nitrosodimethylamine | 3.38 | 42 | 49337m | 7.581 | ng | | |
| 6) Aniline | 6.54 | 93 | 169147 | 8.369 | ng | | 98 |
| 8) 2-Chlorophenol | 6.66 | 128 | 96088 | 8.082 | ng | | 97 |
| 9) Benzaldehyde | 6.43 | 77 | 56939 | 4.914 | ng | | 100 |
| 10) Phenol | 6.52 | 94 | 131503 | 8.089 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 104454 | 8.465 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 113212 | 8.332 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 114761 | 8.425 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 104016 | 8.281 | ng | | 96 |
| 15) Benzyl Alcohol | 7.01 | 79 | 101899 | 9.656 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 176047 | 8.308 | ng | | 99 |
| 17) 2-Methylphenol | 7.12 | 107 | 89223 | 8.258 | ng | | 98 |
| 18) Hexachloroethane | 7.38 | 117 | 41423 | 8.353 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 81277 | 9.325 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 117038 | 8.886 | ng | # | 37 |
| 22) Acetophenone | 7.27 | 105 | 158283 | 8.883 | ng | # | 90 |
| 24) Nitrobenzene | 7.45 | 77 | 121552 | 8.259 | ng | | 95 |
| 25) Isophorone | 7.69 | 82 | 211620 | 8.038 | ng | | 97 |
| 26) 2-Nitrophenol | 7.77 | 139 | 52080 | 7.517 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 78250 | 7.389 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 126981 | 8.203 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 78934 | 7.785 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 86920 | 8.050 | ng | | 99 |
| 31) Naphthalene | 8.17 | 128 | 312720 | 8.367 | ng | | 99 |
| 32) Benzoic acid | 7.89 | 122 | 45954 | 11.920 | ng | | 98 |
| 33) 4-Chloroaniline | 8.23 | 127 | 128468 | 7.965 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 45575 | 8.105 | ng | | 98 |
| 35) Caprolactam | 8.57 | 113 | 26493 | 7.434 | ng | # | 85 |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 90579 | 7.920 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 208891 | 8.648 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 79696 | 8.238 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.02 | 237 | 7918 | 10.946 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.15 | 196 | 50484 | 7.755 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.19 | 196 | 55137 | 7.364 | ng | | 99 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 261751 | 8.827 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 194876 | 8.307 | ng | | 97 |
| 47) 2-Nitroaniline | 9.45 | 65 | 67876 | 7.811 | ng | | 88 |
| 48) Acenaphthylene | 9.77 | 152 | 310626 | 8.605 | ng | | 98 |
| 49) Dimethylphthalate | 9.62 | 163 | 233220 | 8.215 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.69 | 165 | 47881 | 8.037 | ng | | 96 |
| 51) Acenaphthene | 9.94 | 154 | 181873 | 8.641 | ng | | 99 |
| 52) 3-Nitroaniline | 9.86 | 138 | 58453 | 7.733 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 9.98 | 184 | 8910 | 13.264 | ng | # | 12 |
| 54) Dibenzofuran | 10.12 | 168 | 262585 | 9.088 | ng | | 99 |
| 55) 4-Nitrophenol | 10.04 | 139 | 27337 | 5.835 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 10.10 | 165 | 61225 | 8.126 | ng | | 95 |
| 57) Fluorene | 10.46 | 166 | 209512 | 8.512 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 38942 | 7.742 | ng | | 93 |
| 59) Diethylphthalate | 10.32 | 149 | 232378 | 8.558 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 91739 | 8.789 | ng | | 97 |
| 61) 4-Nitroaniline | 10.47 | 138 | 55250 | 7.318 | ng | | 95 |
| 62) Azobenzene | 10.61 | 77 | 235415 | 8.518 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198 | 21163 | 10.103 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 10.56 | 169 | 178730 | 8.486 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.94 | 248 | 50905 | 8.079 | ng | | 95 |
| 67) Hexachlorobenzene | 11.01 | 284 | 55598 | 8.129 | ng | | 92 |
| 68) Atrazine | 11.09 | 200 | 48906 | 7.726 | ng | | 98 |
| 69) Pentachlorophenol | 11.20 | 266 | 19495 | 5.895 | ng | | 93 |
| 70) Phenanthrene | 11.42 | 178 | 287774 | 8.645 | ng | | 98 |
| 71) Anthracene | 11.47 | 178 | 293105 | 8.587 | ng | | 99 |
| 72) Carbazole | 11.63 | 167 | 285171 | 8.389 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.95 | 149 | 357981 | 8.416 | ng | | 99 |
| 74) Fluoranthene | 12.62 | 202 | 278605 | 8.329 | ng | | 99 |
| 76) Benzidine | 12.73 | 184 | 72934 | 4.305 | ng | # | 93 |
| 77) Pyrene | 12.84 | 202 | 289383 | 8.190 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.46 | 149 | 142498 | 7.634 | ng | | 95 |
| 80) Benzo(a)anthracene | 14.06 | 228 | 227211 | 7.727 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.02 | 252 | 78501 | 7.481 | ng | | 98 |
| 82) Chrysene | 14.10 | 228 | 225718 | 7.906 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 14.03 | 149 | 202771 | 8.049 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.69 | 149 | 317108 | 7.791 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.12 | 276 | 194508 | 8.606 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.16 | 252 | 207705 | 7.291 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.19 | 252 | 218407 | 8.142 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.54 | 252 | 195945 | 7.702 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 17.13 | 278 | 157016 | 7.987 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.58 | 276 | 161284 | 8.395 | ng | | 98 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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