Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121922\
Data File : BF131688.D
Acq On : 19 Dec 2022 14:46
Operator : CG\JU
Sample : N6067-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 20 01:03:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 20 00:23:43 2022
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
WC-SOIL-20221214MS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 71933 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 262913 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 9.928 | 164 | 143190 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.422 | 188 | 228142 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 14.074 | 240 | 121583 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 15.574 | 264 | 166218 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.510 | 112 | 636977 | 147.729 | ng | | 0.03 |
| 7) Phenol-d6 | 6.516 | 99 | 778711 | 137.818 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 602755 | 86.676 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.727 | 330 | 223652 | 140.583 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.251 | 172 | 1029547 | 90.658 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.016 | 244 | 803838 | 90.669 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.804 | 88 | 89909 | 46.196 | ng | # | 81 |
| 3) Pyridine | 3.522 | 79 | 205062 | 37.950 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.463 | 42 | 128624 | 43.162 | ng | # | 85 |
| 6) Aniline | 6.540 | 93 | 160086 | 23.690 | ng | | 96 |
| 8) 2-Chlorophenol | 6.663 | 128 | 231735 | 50.715 | ng | | 96 |
| 9) Benzaldehyde | 6.428 | 77 | 88578 | 22.884 | ng | | 97 |
| 10) Phenol | 6.528 | 94 | 289798m | 45.981 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 255038 | 53.983 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.816 | 146 | 249471 | 47.090 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.892 | 146 | 250105 | 46.804 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.045 | 146 | 239875 | 46.992 | ng | | 97 |
| 15) Benzyl Alcohol | 7.022 | 79 | 259877 | 50.169 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151 | 45 | 318186 | 52.138 | ng | | 99 |
| 17) 2-Methylphenol | 7.134 | 107 | 207176 | 50.309 | ng | | 97 |
| 18) Hexachloroethane | 7.387 | 117 | 100711 | 46.721 | ng | | 90 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 204531 | 48.275 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 262734 | 46.841 | ng | # | 80 |
| 22) Acetophenone | 7.292 | 105 | 386438 | 46.903 | ng | | 98 |
| 24) Nitrobenzene | 7.469 | 77 | 317102 | 45.211 | ng | # | 91 |
| 25) Isophorone | 7.704 | 82 | 557717 | 49.790 | ng | | 99 |
| 26) 2-Nitrophenol | 7.781 | 139 | 125357 | 52.410 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.822 | 122 | 206476 | 56.321 | ng | | 95 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 310851 | 53.645 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.028 | 162 | 213782 | 47.161 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 251870 | 45.308 | ng | | 99 |
| 31) Naphthalene | 8.186 | 128 | 695141 | 46.943 | ng | | 99 |
| 32) Benzoic acid | 7.939 | 122 | 129431m | 48.749 | ng | | |
| 33) 4-Chloroaniline | 8.239 | 127 | 63624 | 11.463 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.298 | 225 | 164432 | 41.970 | ng | | 98 |
| 35) Caprolactam | 8.616 | 113 | 47800m | 40.764 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.728 | 107 | 231516 | 45.483 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 460365 | 45.459 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 428881 | 44.116 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 266352 | 50.249 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 9.033 | 237 | 315447 | 117.248 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 9.163 | 196 | 164067 | 50.042 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.204 | 196 | 170030 | 48.223 | ng | # | 95 |
| 46) 1,1'-Biphenyl | 9.351 | 154 | 575234 | 50.810 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.375 | 162 | 454899 | 49.317 | ng | | 99 |
| 48) 2-Nitroaniline | 9.475 | 65 | 151066 | 46.233 | ng | | 92 |
| 49) Acenaphthylene | 9.792 | 152 | 671545 | 49.584 | ng | | 99 |
| 50) Dimethylphthalate | 9.657 | 163 | 515847 | 47.258 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.716 | 165 | 112083 | 49.738 | ng | | 89 |
| 52) Acenaphthene | 9.963 | 154 | 472012m | 52.024 | ng | | |
| 53) 3-Nitroaniline | 9.886 | 138 | 65177 | 30.145 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.992 | 184 | 103994 | 80.584 | ng | | 94 |
| 55) Dibenzofuran | 10.139 | 168 | 609689 | 47.559 | ng | | 97 |
| 56) 4-Nitrophenol | 10.057 | 139 | 126835 | 84.444 | ng | # | 73 |
| 57) 2,4-Dinitrotoluene | 10.122 | 165 | 143300 | 47.937 | ng | | 98 |
| 58) Fluorene | 10.480 | 166 | 474364 | 45.516 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.257 | 232 | 131640m | 44.089 | ng | | |
| 60) Diethylphthalate | 10.357 | 149 | 463138 | 44.214 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.475 | 204 | 260328 | 45.201 | ng | | 95 |
| 62) 4-Nitroaniline | 10.510 | 138 | 88445 | 41.280 | ng | # | 81 |
| 63) Azobenzene | 10.633 | 77 | 521324 | 43.635 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 10.528 | 198 | 68679 | 47.529 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.592 | 169 | 382136 | 51.811 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248 | 148104 | 50.463 | ng | | 96 |
| 68) Hexachlorobenzene | 11.027 | 284 | 161500 | 50.873 | ng | | 95 |
| 69) Atrazine | 11.122 | 200 | 108167 | 46.182 | ng | | 95 |
| 70) Pentachlorophenol | 11.227 | 266 | 162350 | 99.340 | ng | | 99 |
| 71) Phenanthrene | 11.451 | 178 | 620379 | 48.786 | ng | | 99 |
| 72) Anthracene | 11.498 | 178 | 624937 | 50.513 | ng | | 100 |
| 73) Carbazole | 11.657 | 167 | 474964 | 47.033 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.986 | 149 | 584195 | 47.154 | ng | | 99 |
| 75) Fluoranthene | 12.639 | 202 | 561223 | 42.859 | ng | | 98 |
| 77) Benzidine | 12.763 | 184 | 106420 | 32.667 | ng | | 97 |
| 78) Pyrene | 12.869 | 202 | 566190 | 47.227 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.492 | 149 | 181302 | 52.256 | ng | | 95 |
| 81) Benzo(a)anthracene | 14.063 | 228 | 445395 | 50.727 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.027 | 252 | 132658 | 53.103 | ng | | 98 |
| 83) Chrysene | 14.104 | 228 | 418400 | 50.124 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 14.051 | 149 | 240961 | 50.792 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.668 | 149 | 431460 | 54.871 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 17.104 | 276 | 660126 | 48.663 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.133 | 252 | 533149 | 48.667 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.168 | 252 | 506615 | 44.306 | ng | | 100 |
| 90) Benzo(a)pyrene | 15.515 | 252 | 485654 | 51.946 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.121 | 278 | 554835 | 49.697 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.568 | 276 | 546355 | 48.693 | ng | | 99 |

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

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