Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110824\
Data File : BP022933.D
Acq On : 08 Nov 2024 14:09
Operator : RC/JU
Sample : P4368-07
Misc : LOD-MDL-WATER-4 PPM
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 08 14:39:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 23:36:11 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
LOD-MDL-WATER-01-QT4-2024

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 11/08/2024
Supervised By :mohammad ahmed 11/11/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.593 | 152 | 55139 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.346 | 136 | 201264 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.210 | 164 | 165538 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.022 | 188 | 412067 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.469 | 240 | 496962 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.698 | 264 | 588616 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.228 | 112 | 320467 | 110.298 | ng | | 0.00 |
| 7) Phenol-d6 | 6.793 | 99 | 430785 | 106.317 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.740 | 82 | 347512 | 81.574 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.751 | 330 | 369560 | 115.176 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.816 | 172 | 924845 | 79.829 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.763 | 244 | 2118226 | 80.048 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.181 | 88 | 5285 | 4.556 | ng | | 96 |
| 3) Pyridine | 3.599 | 79 | 9561 | 3.002 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.499 | 42 | 5879 | 3.829 | ng | # | 90 |
| 6) Aniline | 6.940 | 93 | 15479 | 4.583 | ng | | 93 |
| 8) 2-Chlorophenol | 7.169 | 128 | 11705 | 3.843 | ng | | 92 |
| 9) Benzaldehyde | 6.764 | 77 | 12848 | 5.487 | ng | | 91 |
| 10) Phenol | 6.816 | 94 | 14394 | 3.587 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 7.034 | 93 | 10752 | 3.546 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 7.487 | 146 | 14446 | 3.717 | ng | | 91 |
| 13) 1,4-Dichlorobenzene | 7.628 | 146 | 14448 | 3.640 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 7.934 | 146 | 14273 | 3.720 | ng | | 95 |
| 15) Benzyl Alcohol | 7.852 | 79 | 8586 | 2.798 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.105 | 45 | 12704 | 3.862 | ng | | 97 |
| 17) 2-Methylphenol | 8.046 | 107 | 8724 | 3.203 | ng | | 97 |
| 18) Hexachloroethane | 8.640 | 117 | 5261 | 3.583 | ng | | 84 |
| 19) n-Nitroso-di-n-propyla... | 8.393 | 70 | 9526 | 3.435 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.387 | 107 | 12896 | 3.387 | ng | | 91 |
| 22) Acetophenone | 8.411 | 105 | 20632 | 3.851 | ng | # | 92 |
| 24) Nitrobenzene | 8.775 | 77 | 16366 | 3.782 | ng | | 96 |
| 25) Isophorone | 9.299 | 82 | 24937 | 3.459 | ng | # | 95 |
| 26) 2-Nitrophenol | 9.493 | 139 | 5810 | 3.269 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.558 | 122 | 7076 | 3.487 | ng | | 91 |
| 28) bis(2-Chloroethoxy)met... | 9.775 | 93 | 14261 | 3.482 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.046 | 162 | 11061 | 3.149 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.216 | 180 | 16520 | 3.679 | ng | | 99 |
| 31) Naphthalene | 10.399 | 128 | 36702 | 3.639 | ng | | 98 |
| 32) Benzoic acid | 9.675 | 122 | 6851m | 2.812 | ng | | |
| 33) 4-Chloroaniline | 10.540 | 127 | 12365 | 3.445 | ng | # | 94 |
| 34) Hexachlorobutadiene | 10.669 | 225 | 11393 | 3.459 | ng | | 99 |
| 35) Caprolactam | 11.322 | 113 | 3539m | 3.366 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.669 | 107 | 12755 | 3.257 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.010 | 142 | 27326 | 3.618 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.234 | 142 | 25807 | 3.443 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 12.387 | 216 | 20856 | 3.721 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.352 | 237 | 4326 | 2.749 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.646 | 196 | 11235 | 3.152 | ng | | 96 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.734 | 196 | 11317 | 2.789 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.034 | 154 | 43601 | 3.962 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.075 | 162 | 32897 | 3.602 | ng | | 97 |
| 48) 2-Nitroaniline | 13.316 | 65 | 7634 | 2.869 | ng | | 92 |
| 49) Acenaphthylene | 13.940 | 152 | 46724 | 3.664 | ng | | 98 |
| 50) Dimethylphthalate | 13.675 | 163 | 43731 | 3.608 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 13.798 | 165 | 8757 | 3.178 | ng | | 100 |
| 52) Acenaphthene | 14.281 | 154 | 28706 | 3.500 | ng | | 95 |
| 53) 3-Nitroaniline | 14.146 | 138 | 6869 | 3.068 | ng | # | 99 |
| 54) 2,4-Dinitrophenol | 14.398 | 184 | 3654 | 2.137 | ng | # | 80 |
| 55) Dibenzofuran | 14.628 | 168 | 52940 | 3.676 | ng | | 99 |
| 56) 4-Nitrophenol | 14.546 | 139 | 3002m | 1.630 | ng | | |
| 57) 2,4-Dinitrotoluene | 14.634 | 165 | 11395 | 2.860 | ng | # | 75 |
| 58) Fluorene | 15.275 | 166 | 41794 | 3.493 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.863 | 232 | 12640 | 3.230 | ng | | 99 |
| 60) Diethylphthalate | 15.057 | 149 | 41619 | 3.453 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.281 | 204 | 24823 | 3.520 | ng | # | 89 |
| 62) 4-Nitroaniline | 15.351 | 138 | 6652m | 2.895 | ng | | |
| 63) Azobenzene | 15.575 | 77 | 35326 | 3.408 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 198 | 6278 | 2.504 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.504 | 169 | 36002 | 3.534 | ng | | 95 |
| 67) 4-Bromophenyl-phenylether | 16.198 | 248 | 16853 | 3.410 | ng | # | 91 |
| 68) Hexachlorobenzene | 16.316 | 284 | 22165 | 3.501 | ng | | 96 |
| 69) Atrazine | 16.492 | 200 | 15687 | 4.568 | ng | | 95 |
| 70) Pentachlorophenol | 16.687 | 266 | 10504 | 2.598 | ng | | 88 |
| 71) Phenanthrene | 17.063 | 178 | 74939 | 3.758 | ng | | 98 |
| 72) Anthracene | 17.175 | 178 | 71535 | 3.738 | ng | | 97 |
| 73) Carbazole | 17.463 | 167 | 60832 | 3.328 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.034 | 149 | 64279 | 3.155 | ng | | 98 |
| 75) Fluoranthene | 19.169 | 202 | 91392 | 3.304 | ng | | 99 |
| 77) Benzidine | 19.381 | 184 | 39964 | 4.070 | ng | | 98 |
| 78) Pyrene | 19.551 | 202 | 96924 | 3.295 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.498 | 149 | 30525 | 3.043 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.451 | 228 | 112328 | 3.632 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.380 | 252 | 40480 | 3.234 | ng | | 96 |
| 83) Chrysene | 21.510 | 228 | 105014 | 3.625 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.380 | 149 | 43655 | 3.033 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.610 | 149 | 72431 | 3.011 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.380 | 276 | 143290 | 3.609 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 23.674 | 252 | 121325m | 3.508 | ng | | |
| 89) Benzo(k)fluoranthene | 23.751 | 252 | 120212 | 3.681 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.539 | 252 | 107772 | 3.642 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.439 | 278 | 118610 | 3.643 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 29.504 | 276 | 111269 | 3.335 | ng | | 95 |

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

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