Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032122\
Data File : BM034292.D
Acq On : 21 Mar 2022 17:40
Operator : CG/JU
Sample : M4068-02
Misc : LOQ-SOIL-5ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 22 04:09:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 16 02:38:26 2022
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
LOQ-SOIL-02-QT4-2021

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo

Supervised By :Jagrut Upadhyay
03/22/2022

03/22/2022
Supervised By :Jagrut Upadhyay

03/22/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.942 | 152 | 193576 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.754 | 136 | 792805 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.583 | 164 | 555707 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.324 | 188 | 1180612 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.495 | 240 | 1185763 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 23.906 | 264 | 1136280 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.496 | 112 | 1122721 | 104.048 | ng | | 0.00 |
| 7) Phenol-d6 | 7.101 | 99 | 1573351 | 101.839 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.107 | 82 | 1193387 | 73.287 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.065 | 330 | 806725 | 107.704 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.213 | 172 | 2793960 | 68.704 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.942 | 244 | 4793580 | 70.245 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.355 | 88 | 22958 | 4.703 | ng | | 94 |
| 3) Pyridine | 3.772 | 79 | 52717 | 3.990 | ng | # | 92 |
| 4) n-Nitrosodimethylamine | 3.672 | 42 | 29823 | 4.754 | ng | # | 93 |
| 6) Aniline | 7.266 | 93 | 90552 | 5.129 | ng | | 98 |
| 8) 2-Chlorophenol | 7.501 | 128 | 59392 | 4.706 | ng | | 94 |
| 9) Benzaldehyde | 7.072 | 77 | 57146m | 6.866 | ng | | |
| 10) Phenol | 7.125 | 94 | 71591 | 4.659 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 7.360 | 93 | 61569 | 4.882 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.831 | 146 | 69298 | 4.841 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.978 | 146 | 70003 | 4.776 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.301 | 146 | 65938 | 4.615 | ng | | 96 |
| 15) Benzyl Alcohol | 8.178 | 79 | 51991 | 4.229 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.484 | 45 | 86406 | 4.992 | ng | | 99 |
| 17) 2-Methylphenol | 8.384 | 107 | 47063 | 4.373 | ng | | 96 |
| 18) Hexachloroethane | 9.037 | 117 | 24445 | 4.522 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.754 | 70 | 52325 | 4.682 | ng | | 100 |
| 20) 3+4-Methylphenols | 8.713 | 107 | 63300 | 4.253 | ng | | 99 |
| 22) Acetophenone | 8.766 | 105 | 97036 | 4.769 | ng | | 97 |
| 24) Nitrobenzene | 9.148 | 77 | 79934 | 5.258 | ng | | 98 |
| 25) Isophorone | 9.678 | 82 | 137179 | 5.034 | ng | | 99 |
| 26) 2-Nitrophenol | 9.866 | 139 | 27692 | 4.107 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.925 | 122 | 51638 | 4.891 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.160 | 93 | 81239 | 4.657 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.401 | 162 | 50732 | 4.136 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.619 | 180 | 65349 | 4.687 | ng | | 98 |
| 31) Naphthalene | 10.807 | 128 | 200206 | 4.847 | ng | | 100 |
| 32) Benzoic acid | 9.984 | 122 | 16529 | 1.893 | ng | | 93 |
| 33) 4-Chloroaniline | 10.913 | 127 | 69821 | 4.285 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.101 | 225 | 41046 | 4.648 | ng | | 94 |
| 35) Caprolactam | 11.666 | 113 | 17385 | 4.077 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 12.036 | 107 | 59655 | 4.244 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.419 | 142 | 141335 | 4.796 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.636 | 142 | 137126 | 4.756 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 12.783 | 216 | 76254 | 4.547 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.772 | 237 | 40991 | 4.221 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.019 | 196 | 45635 | 3.942 | ng | | 99 |

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**Instrument :**
BNA_M
**ClientSampleId :**
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.089 | 196 | 48271 | 3.884 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.419 | 154 | 199511 | 4.709 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.460 | 162 | 147017 | 4.520 | ng | | 99 |
| 48) 2-Nitroaniline | 13.660 | 65 | 37439 | 3.765 | ng | | 94 |
| 49) Acenaphthylene | 14.307 | 152 | 239298 | 4.721 | ng | | 99 |
| 50) Dimethylphthalate | 14.036 | 163 | 192365 | 4.548 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.154 | 165 | 38391 | 4.425 | ng | | 99 |
| 52) Acenaphthene | 14.648 | 154 | 150446 | 4.406 | ng | | 98 |
| 53) 3-Nitroaniline | 14.483 | 138 | 31306 | 3.597 | ng | # | 99 |
| 54) 2,4-Dinitrophenol | 14.683 | 184 | 12202 | 2.510 | ng | | 94 |
| 55) Dibenzofuran | 14.977 | 168 | 232825 | 4.576 | ng | | 98 |
| 56) 4-Nitrophenol | 14.783 | 139 | 18791 | 2.663 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 14.936 | 165 | 49120 | 4.189 | ng | | 96 |
| 58) Fluorene | 15.624 | 166 | 190098 | 4.602 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.201 | 232 | 45285 | 4.041 | ng | | 96 |
| 60) Diethylphthalate | 15.395 | 149 | 200160 | 4.613 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.618 | 204 | 94886 | 4.499 | ng | | 96 |
| 62) 4-Nitroaniline | 15.636 | 138 | 30378m | 3.628 | ng | | |
| 63) Azobenzene | 15.913 | 77 | 189491 | 4.529 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.695 | 198 | 24436 | 3.183 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 15.830 | 169 | 165025 | 4.400 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.513 | 248 | 58212 | 4.289 | ng | | 100 |
| 68) Hexachlorobenzene | 16.636 | 284 | 69322 | 4.579 | ng | | 99 |
| 69) Atrazine | 16.777 | 200 | 59304 | 4.797 | ng | | 99 |
| 70) Pentachlorophenol | 16.971 | 266 | 35070 | 3.623 | ng | | 98 |
| 71) Phenanthrene | 17.365 | 178 | 304412 | 4.604 | ng | | 100 |
| 72) Anthracene | 17.454 | 178 | 285966 | 4.444 | ng | | 99 |
| 73) Carbazole | 17.724 | 167 | 239016 | 3.982 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.289 | 149 | 321599 | 4.310 | ng | | 99 |
| 75) Fluoranthene | 19.377 | 202 | 343329 | 4.632 | ng | | 99 |
| 77) Benzidine | 19.559 | 184 | 81976m | 4.718 | ng | | |
| 78) Pyrene | 19.736 | 202 | 365652 | 4.377 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.630 | 149 | 135116 | 3.824 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.477 | 228 | 343517 | 4.590 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.412 | 252 | 97367 | 3.895 | ng | | 98 |
| 83) Chrysene | 21.530 | 228 | 336273 | 4.400 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.406 | 149 | 208123 | 3.989 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.336 | 149 | 337278 | 4.072 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 26.418 | 276 | 263501 | 3.605 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 23.171 | 252 | 313697 | 4.617 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.218 | 252 | 337785 | 4.693 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.800 | 252 | 279620 | 4.854 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 26.435 | 278 | 213567 | 3.603 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 27.194 | 276 | 243027 | 3.962 | ng | | 97 |

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

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