Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032621\
Data File : BM029230.D
Acq On : 26 Mar 2021 12:39
Operator : CG/JU
Sample : M1458-02
Misc : LOQ--SOIL-5PPM
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
LOQ-SOIL-02-QT1-2021

**Manual Integrations APPROVED**
mohammad
3/29/2021 3:27:02 PM

Quant Time: Mar 26 13:14:53 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 26 12:33:48 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.757 | 152 | 93924 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.539 | 136 | 351247 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.380 | 164 | 200977 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.115 | 188 | 415866 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.286 | 240 | 462644 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 23.521 | 264 | 509706 | 20.00 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.351 | 112 | 451409 | 82.84 | ng | | 0.00 |
| 7) Phenol-d6 | 6.922 | 99 | 629606 | 80.52 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.904 | 82 | 458264 | 63.34 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.862 | 330 | 146613 | 78.77 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.004 | 172 | 911959 | 64.36 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.739 | 244 | 1367706 | 59.39 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.304 | 88 | 11258 | 4.55 | ng | | 97 |
| 3) Pyridine | 3.716 | 79 | 26130 | 4.38 | ng | # | 83 |
| 4) n-Nitrosodimethylamine | 3.634 | 42 | 12455m | 4.65 | ng | | |
| 6) Aniline | 7.087 | 93 | 41657 | 4.92 | ng | | 96 |
| 8) 2-Chlorophenol | 7.322 | 128 | 27876 | 4.53 | ng | | 99 |
| 9) Benzaldehyde | 6.910 | 77 | 27951 | 5.69 | ng | | 89 |
| 10) Phenol | 6.945 | 94 | 35593 | 4.61 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.187 | 93 | 26517 | 4.80 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.645 | 146 | 32541 | 4.73 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.792 | 146 | 32282 | 4.63 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.104 | 146 | 31295 | 4.67 | ng | | 96 |
| 15) Benzyl Alcohol | 7.992 | 79 | 23548 | 4.16 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.287 | 45 | 41473 | 4.89 | ng | | 97 |
| 17) 2-Methylphenol | 8.192 | 107 | 21069 | 4.24 | ng | | 97 |
| 18) Hexachloroethane | 8.834 | 117 | 11178 | 4.41 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.557 | 70 | 20049 | 3.97 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.516 | 107 | 26584 | 4.00 | ng | | 94 |
| 22) Acetophenone | 8.575 | 105 | 38984 | 4.43 | ng | | 93 |
| 24) Nitrobenzene | 8.945 | 77 | 37274 | 4.94 | ng | | 97 |
| 25) Isophorone | 9.475 | 82 | 48267 | 3.88 | ng | | 97 |
| 26) 2-Nitrophenol | 9.657 | 139 | 9074 | 3.60 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.716 | 122 | 21649 | 4.49 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.957 | 93 | 31517 | 4.80 | ng | # | 93 |
| 29) 2,4-Dichlorophenol | 10.181 | 162 | 19584 | 3.73 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.404 | 180 | 26046 | 4.37 | ng | | 98 |
| 31) Naphthalene | 10.586 | 128 | 83484 | 4.51 | ng | | 98 |
| 32) Benzoic acid | 9.763 | 122 | 5699 | 2.03 | ng | | 94 |
| 33) 4-Chloroaniline | 10.692 | 127 | 31493 | 4.30 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.880 | 225 | 14681 | 4.24 | ng | | 99 |
| 35) Caprolactam | 11.457 | 113 | 4163 | 2.61 | ng | # | 85 |
| 36) 4-Chloro-3-methylphenol | 11.816 | 107 | 21164 | 3.78 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.198 | 142 | 54840 | 4.24 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.422 | 142 | 53145 | 4.32 | ng | | 95 |
| 40) 1,2,4,5-Tetrachloroben... | 12.569 | 216 | 26550 | 4.71 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.551 | 237 | 14543 | 4.71 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 12.810 | 196 | 12693 | 3.46 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.874 | 196 | 15643 | 3.84 | ng | | 92 |
| 46) 1,1'-Biphenyl | 13.216 | 154 | 72798 | 4.76 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.251 | 162 | 55835 | 4.64 | ng | | 99 |
| 48) 2-Nitroaniline | 13.457 | 65 | 12651 | 3.59 | ng | | 92 |
| 49) Acenaphthylene | 14.098 | 152 | 76056 | 4.16 | ng | | 97 |
| 50) Dimethylphthalate | 13.839 | 163 | 62782 | 4.47 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.957 | 165 | 10985 | 3.62 | ng | | 99 |
| 52) Acenaphthene | 14.445 | 154 | 54435 | 4.68 | ng | | 97 |
| 53) 3-Nitroaniline | 14.280 | 138 | 10608 | 3.45 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.486 | 184 | 3819 | 2.52 | ng | | 97 |
| 55) Dibenzofuran | 14.780 | 168 | 82166 | 4.49 | ng | | 97 |
| 56) 4-Nitrophenol | 14.580 | 139 | 7764 | 2.76 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 14.739 | 165 | 13224 | 3.31 | ng | | 94 |
| 58) Fluorene | 15.427 | 166 | 64255 | 4.33 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.004 | 232 | 11986 | 3.59 | ng | # | 97 |
| 60) Diethylphthalate | 15.204 | 149 | 58640 | 4.24 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.427 | 204 | 30644 | 4.48 | ng | | 98 |
| 62) 4-Nitroaniline | 15.439 | 138 | 10774 | 3.33 | ng | | 96 |
| 63) Azobenzene | 15.715 | 77 | 63237 | 4.00 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.498 | 198 | 6115 | 2.64 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.639 | 169 | 53057 | 3.99 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.315 | 248 | 13758 | 3.61 | ng | | 84 |
| 68) Hexachlorobenzene | 16.427 | 284 | 19389 | 4.32 | ng | | 97 |
| 69) Atrazine | 16.586 | 200 | 13996 | 3.33 | ng | | 98 |
| 70) Pentachlorophenol | 16.768 | 266 | 7951 | 2.88 | ng | | 89 |
| 71) Phenanthrene | 17.157 | 178 | 107839 | 4.47 | ng | | 98 |
| 72) Anthracene | 17.251 | 178 | 97564 | 4.16 | ng | | 99 |
| 73) Carbazole | 17.515 | 167 | 88706 | 3.85 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.092 | 149 | 77126 | 3.47 | ng | | 99 |
| 75) Fluoranthene | 19.168 | 202 | 111015 | 4.17 | ng | | 99 |
| 77) Benzidine | 19.356 | 184 | 38173 | 2.86 | ng | | 97 |
| 78) Pyrene | 19.533 | 202 | 119985 | 3.83 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.439 | 149 | 31020 | 2.93 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.268 | 228 | 122859 | 4.07 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.209 | 252 | 35757 | 3.96 | ng | | 93 |
| 83) Chrysene | 21.321 | 228 | 125654 | 4.16 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.215 | 149 | 46641 | 3.07 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.091 | 149 | 77825 | 3.16 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 25.779 | 276 | 163889 | 4.40 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 22.850 | 252 | 133491 | 4.03 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.891 | 252 | 137769 | 4.28 | ng | | 98 |
| 90) Benzo(a)pyrene | 23.427 | 252 | 118931 | 3.96 | ng | | 96 |
| 91) Dibenzo(a,h)anthracene | 25.797 | 278 | 136336 | 4.27 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 26.468 | 276 | 135682 | 4.34 | ng | | 98 |

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

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