Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100324\
Data File : BM047821.D
Acq On : 03 Oct 2024 23:54
Operator : RC/JU
Sample : P4084-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 04 01:18:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Sep 28 02:30:36 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DCYL9

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 10/04/2024
Supervised By :mohammad ahmed 10/06/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.804 | 152 | 279349 | 20.000 | ng/ul | -0.01 |
| 20) Naphthalene-d8 | 10.592 | 136 | 1100900 | 20.000 | ng/ul | -0.02 |
| 38) Acenaphthene-d10 | 14.433 | 164 | 670212 | 20.000 | ng/ul | -0.02 |
| 64) Phenanthrene-d10 | 17.174 | 188 | 1347454 | 20.000 | ng/ul | -0.01 |
| 79) Chrysene-d12 | 21.397 | 240 | 1263594 | 20.000 | ng/ul | -0.01 |
| 88) Perylene-d12 | 24.403 | 264 | 1477360 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.251 | 96 | 8759 | 1.013 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.681 | 84 | 14330 | 0.566 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.969 | 99 | 174315 | 6.599 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.128 | 67 | 116914 | 6.237 | ng/ul | -0.02 |
| 11) 2-Chlorophenol-d4 | 7.334 | 132 | 151334 | 7.874 | ng/ul | -0.01 |
| 15) 4-Methylphenol-d8 | 8.504 | 113 | 134928 | 6.870 | ng/ul | -0.01 |
| 21) Nitrobenzene-d5 | 8.957 | 128 | 67646 | 7.717 | ng/ul | -0.01 |
| 24) 2-Nitrophenol-d4 | 9.675 | 143 | 67288 | 8.011 | ng/ul | -0.02 |
| 28) 2,4-Dichlorophenol-d3 | 10.216 | 165 | 138419 | 8.249 | ng/ul | -0.01 |
| 31) 4-Chloroaniline-d4 | 10.727 | 131 | 72479 | 2.794 | ng/ul | -0.01 |
| 46) Dimethylphthalate-d6 | 13.845 | 166 | 419881 | 8.641 | ng/ul | -0.01 |
| 49) Acenaphthylene-d8 | 14.127 | 160 | 483685 | 8.396 | ng/ul | -0.01 |
| 54) 4-Nitrophenol-d4 | 14.627 | 143 | 28487m | 2.945 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.427 | 176 | 379969 | 9.028 | ng/ul | -0.01 |
| 65) 4,6-Dinitro-2-methylph... | 15.539 | 200 | 36121 | 4.581 | ng/ul | -0.01 |
| 73) Anthracene-d10 | 17.274 | 188 | 562653 | 8.492 | ng/ul | -0.01 |
| 81) Pyrene-d10 | 19.556 | 212 | 543111 | 7.573 | ng/ul | -0.01 |
| 92) Benzo(a)pyrene-d12 | 24.191 | 264 | 368364 | 4.806 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 30) Naphthalene | 10.645 | 128 | 434086 | 6.855 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.257 | 142 | 68317 | 1.698 | ng/ul | 93 |
| 52) Acenaphthene | 14.498 | 153 | 69688 | 1.517 | ng/ul | 98 |
| 61) Fluorene | 15.480 | 166 | 242893 | 4.709 | ng/ul | 98 |
| 72) Phenanthrene | 17.215 | 178 | 1079986 | 13.667 | ng/ul | 99 |
| 74) Anthracene | 17.304 | 178 | 285625 | 3.544 | ng/ul | 100 |
| 80) Fluoranthene | 19.227 | 202 | 848324 | 10.044 | ng/ul | 98 |
| 82) Pyrene | 19.586 | 202 | 599182 | 6.374 | ng/ul | 96 |
| 85) Benzo(a)anthracene | 21.380 | 228 | 294893 | 3.333 | ng/ul | 95 |
| 87) Chrysene | 21.439 | 228 | 640488m | 7.426 | ng/ul | |
| 90) Benzo(b)fluoranthene | 23.450 | 252 | 998532 | 10.838 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.509 | 252 | 305953m | 3.248 | ng/ul | |
| 93) Benzo(a)pyrene | 24.256 | 252 | 107129 | 1.224 | ng/ul# | 92 |
| 94) Indeno(1,2,3-cd)pyrene | 27.773 | 276 | 160266 | 1.429 | ng/ul | 97 |

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

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