

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071520\  
 Data File : BN011173.D  
 Acq On : 15 Jul 2020 12:15  
 Operator : CG/JU  
 Sample : SSTD08051  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 SSTD08051

**Manual Integrations**  
**APPROVED**  
 mohammad  
 7/16/2020 11:06:43 AM

Quant Time: Jul 15 12:47:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071520MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 15 11:45:51 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.49  | 152  | 164700   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.24 | 136  | 708246   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.12 | 164  | 471900   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.88 | 188  | 1060715  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.10 | 240  | 1265602  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.23 | 264  | 1358074  | 20.00 | ng/ul | 0.01     |

System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.14  | 96  | 129134  | 29.06 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.69  | 99  | 1067312 | 88.35 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.85  | 67  | 553443  | 79.62 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.03  | 132 | 905153  | 83.47 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.21  | 113 | 880631  | 91.30 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.63  | 128 | 434902  | 73.75 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.34  | 143 | 507452  | 84.05 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.87  | 165 | 932295  | 79.80 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.39 | 131 | 892209  | 74.59 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.55 | 166 | 2756110 | 75.02 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.81 | 160 | 3310671 | 73.75 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.36 | 143 | 562352  | 98.41 | ng/ul | 0.01 |
| 58) Fluorene-d10               | 15.13 | 176 | 2500912 | 76.16 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.26 | 200 | 564940  | 88.80 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.98 | 188 | 3848023 | 73.60 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.29 | 212 | 4549379 | 66.18 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.10 | 264 | 5395464 | 74.91 | ng/ul | 0.01 |

Target Compounds

|                                |       |     |         |         | Ovalue   |
|--------------------------------|-------|-----|---------|---------|----------|
| 2) 1,4-Dioxane                 | 3.17  | 88  | 131419  | 28.007  | ng/uL 93 |
| 4) Benzaldehyde                | 6.65  | 77  | 352420  | 53.123  | ng/ul 98 |
| 6) Phenol                      | 6.72  | 94  | 1155484 | 87.782  | ng/ul 99 |
| 8) Bis(2-Chloroethyl)ether     | 6.94  | 93  | 843001  | 80.734  | ng/ul 97 |
| 10) 2-Chlorophenol             | 7.07  | 128 | 951445  | 82.506  | ng/ul 96 |
| 11) 2-Methylphenol             | 7.94  | 108 | 878074  | 89.543  | ng/ul 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.02  | 45  | 550351  | 80.178  | ng/ul 96 |
| 14) Acetophenone               | 8.30  | 105 | 1462786 | 89.077  | ng/ul 99 |
| 15) N-Nitroso-di-n-propylamine | 8.31  | 70  | 722695  | 97.532  | ng/ul 99 |
| 16) 4-Methylphenol             | 8.28  | 108 | 952043  | 91.855  | ng/ul 93 |
| 17) Hexachloroethane           | 8.55  | 117 | 392301  | 70.719  | ng/ul 95 |
| 20) Nitrobenzene               | 8.68  | 77  | 1088264 | 70.354  | ng/ul 95 |
| 21) Isophorone                 | 9.20  | 82  | 2139272 | 87.789  | ng/ul 98 |
| 23) 2-Nitrophenol              | 9.38  | 139 | 551744  | 80.621  | ng/ul 93 |
| 24) 2,4-Dimethylphenol         | 9.45  | 107 | 1102540 | 76.510  | ng/ul 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.68  | 93  | 1157487 | 75.007  | ng/ul 98 |
| 27) 2,4-Dichlorophenol         | 9.90  | 162 | 946476  | 77.714  | ng/ul 97 |
| 28) Naphthalene                | 10.29 | 128 | 2984535 | 72.247  | ng/ul 99 |
| 30) 4-Chloroaniline            | 10.41 | 127 | 934977  | 75.393  | ng/ul 98 |
| 31) Hexachlorobutadiene        | 10.58 | 225 | 603489  | 63.745  | ng/ul 98 |
| 32) Caprolactam                | 11.21 | 113 | 285916m | 104.311 | ng/ul    |
| 33) 4-Chloro-3-methylphenol    | 11.55 | 107 | 1043205 | 88.357  | ng/ul 98 |
| 34) 2-Methylnaphthalene        | 11.91 | 142 | 2198964 | 77.118  | ng/ul 97 |

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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 35) 1-Methylnaphthalene        | 12.13 | 142  | 2029078  | 77.258  | ng/uL  | 99       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.29 | 216  | 1137914  | 63.975  | ng/ul  | 92       |
| 38) Hexachlorocyclopentadiene  | 12.27 | 237  | 786281   | 66.657  | ng/ul  | 94       |
| 39) 2,4,6-Trichlorophenol      | 12.54 | 196  | 850026   | 83.150  | ng/ul  | 99       |
| 40) 2,4,5-Trichlorophenol      | 12.62 | 196  | 923598   | 85.712  | ng/ul  | 92       |
| 41) 1,1'-Biphenyl              | 12.95 | 154  | 2959154  | 71.489  | ng/ul  | 98       |
| 42) 2-Chloronaphthalene        | 12.99 | 162  | 2271634  | 69.132  | ng/ul  | 99       |
| 43) 2-Nitroaniline             | 13.20 | 65   | 631986   | 84.130  | ng/ul  | 89       |
| 45) Dimethylphthalate          | 13.60 | 163  | 2860407  | 74.058  | ng/ul  | 98       |
| 46) 2,6-Dinitrotoluene         | 13.72 | 165  | 627576   | 83.651  | ng/ul  | 97       |
| 48) Acenaphthylene             | 13.84 | 152  | 3479544  | 73.197  | ng/ul  | 98       |
| 49) 3-Nitroaniline             | 14.04 | 138  | 590115   | 88.182  | ng/ul  | 95       |
| 50) Acenaphthene               | 14.19 | 153  | 2414189  | 71.693  | ng/ul  | 96       |
| 51) 2,4-Dinitrophenol          | 14.25 | 184  | 424278   | 104.089 | ng/ul  | 89       |
| 53) 4-Nitrophenol              | 14.37 | 109  | 524777   | 94.761  | ng/ul  | 97       |
| 54) Dibenzofuran               | 14.53 | 168  | 3403230  | 71.845  | ng/ul  | 98       |
| 55) 2,4-Dinitrotoluene         | 14.51 | 165  | 905950   | 87.093  | ng/ul  | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.76 | 232  | 737786   | 84.550  | ng/ul  | 97       |
| 57) Diethylphthalate           | 14.98 | 149  | 2955489  | 78.113  | ng/ul  | 99       |
| 59) Fluorene                   | 15.19 | 166  | 3018086  | 77.696  | ng/ul  | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.19 | 204  | 1446951  | 72.581  | ng/ul  | 96       |
| 61) 4-Nitroaniline             | 15.22 | 138  | 724803m  | 101.486 | ng/ul  |          |
| 64) 4,6-Dinitro-2-methylphenol | 15.28 | 198  | 584605   | 87.810  | ng/ul# | 99       |
| 65) N-Nitrosodiphenylamine     | 15.40 | 169  | 2540872  | 73.237  | ng/ul  | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.08 | 248  | 862459   | 70.465  | ng/ul  | 91       |
| 67) Hexachlorobenzene          | 16.19 | 284  | 967280   | 69.882  | ng/ul  | 98       |
| 68) Atrazine                   | 16.37 | 200  | 873434   | 76.909  | ng/ul  | 98       |
| 69) Pentachlorophenol          | 16.54 | 266  | 646189   | 88.720  | ng/ul  | 94       |
| 70) Phenanthrene               | 16.92 | 178  | 4692924  | 72.776  | ng/ul  | 99       |
| 72) Anthracene                 | 17.02 | 178  | 4867140  | 74.678  | ng/ul  | 99       |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.91 | 216  | 1145369  | 61.059  | ng/uL  | 94       |
| 74) Pentachlorobenzene         | 14.45 | 250  | 1112755  | 65.781  | ng/uL  | 99       |
| 75) Carbazole                  | 17.29 | 167  | 4402264  | 84.203  | ng/ul  | 99       |
| 76) Di-n-butylphthalate        | 17.87 | 149  | 5906477  | 95.659  | ng/ul  | 99       |
| 77) Fluoranthene               | 18.95 | 202  | 5808407  | 84.038  | ng/ul  | 99       |
| 80) Pyrene                     | 19.32 | 202  | 6109028  | 65.737  | ng/ul  | 99       |
| 81) Butylbenzylphthalate       | 20.25 | 149  | 2787367  | 89.053  | ng/ul  | 95       |
| 82) 3,3'-Dichlorobenzidine     | 21.03 | 252  | 2206372  | 89.133  | ng/ul  | 98       |
| 83) Benzo(a)anthracene         | 21.08 | 228  | 6457643  | 73.995  | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.04 | 149  | 4284360  | 89.816  | ng/ul  | 98       |
| 85) Chrysene                   | 21.14 | 228  | 6125759  | 71.685  | ng/ul  | 96       |
| 87) Di-n-octyl phthalate       | 21.90 | 149  | 7375055  | 87.124  | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 22.61 | 252  | 6635281  | 70.892  | ng/ul  | 100      |
| 89) Benzo(k)fluoranthene       | 22.65 | 252  | 6725963  | 75.159  | ng/ul  | 98       |
| 91) Benzo(a)pyrene             | 23.15 | 252  | 5913572  | 72.447  | ng/ul  | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.34 | 276  | 7271236  | 70.281  | ng/ul# | 95       |
| 93) Dibenzo(a,h)anthracene     | 25.34 | 278  | 6228961  | 72.861  | ng/ul  | 99       |
| 94) Benzo(a,h,i)perylene       | 25.97 | 276  | 5771880  | 68.117  | ng/ul  | 99       |

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

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