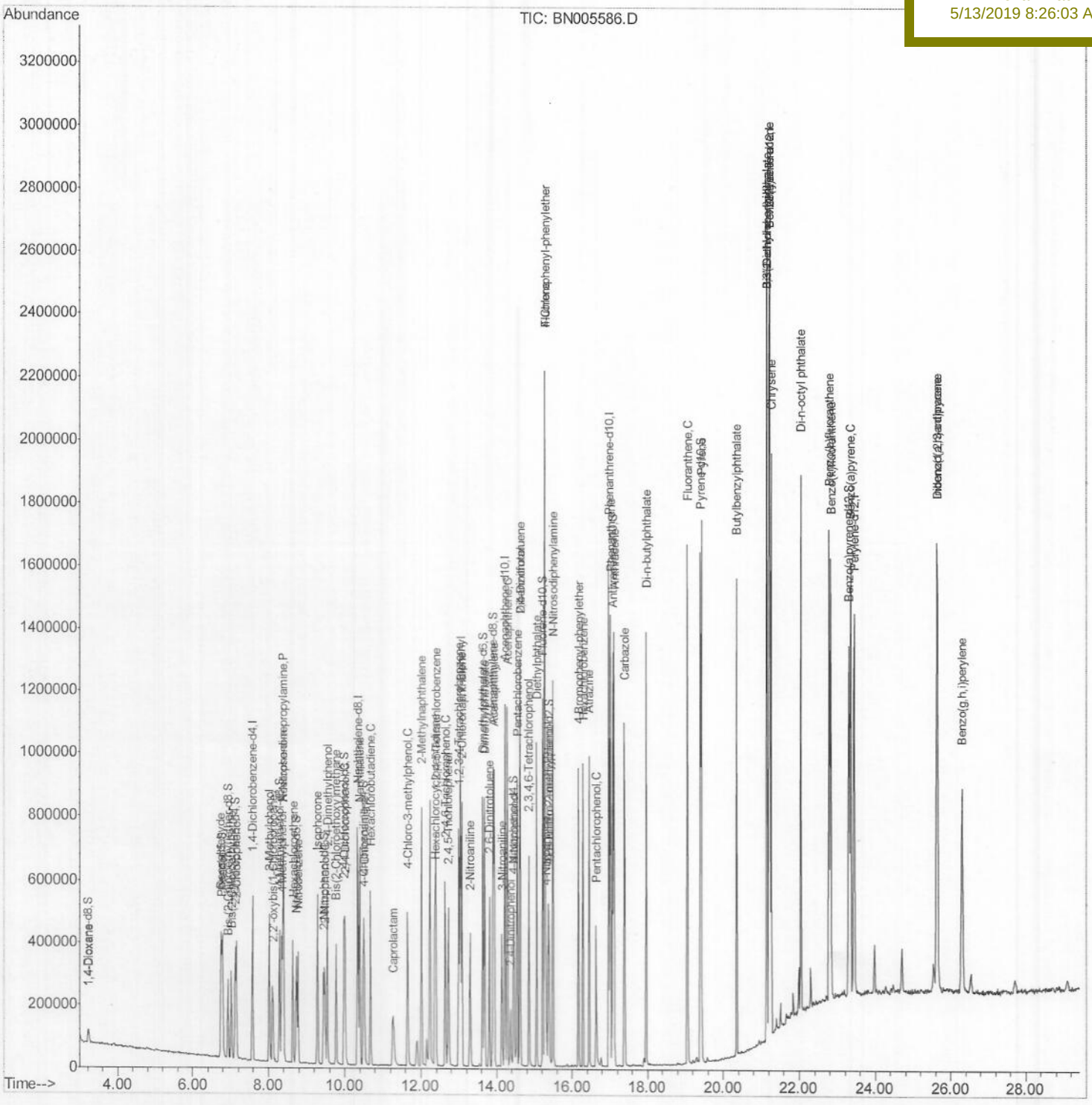
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051019\
Data File : BN005586.D
Acq On : 10 May 2019 11:31
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 12:35:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTD02006

**Manual Integrations APPROVED**
mohammad
5/13/2019 8:26:03 AM



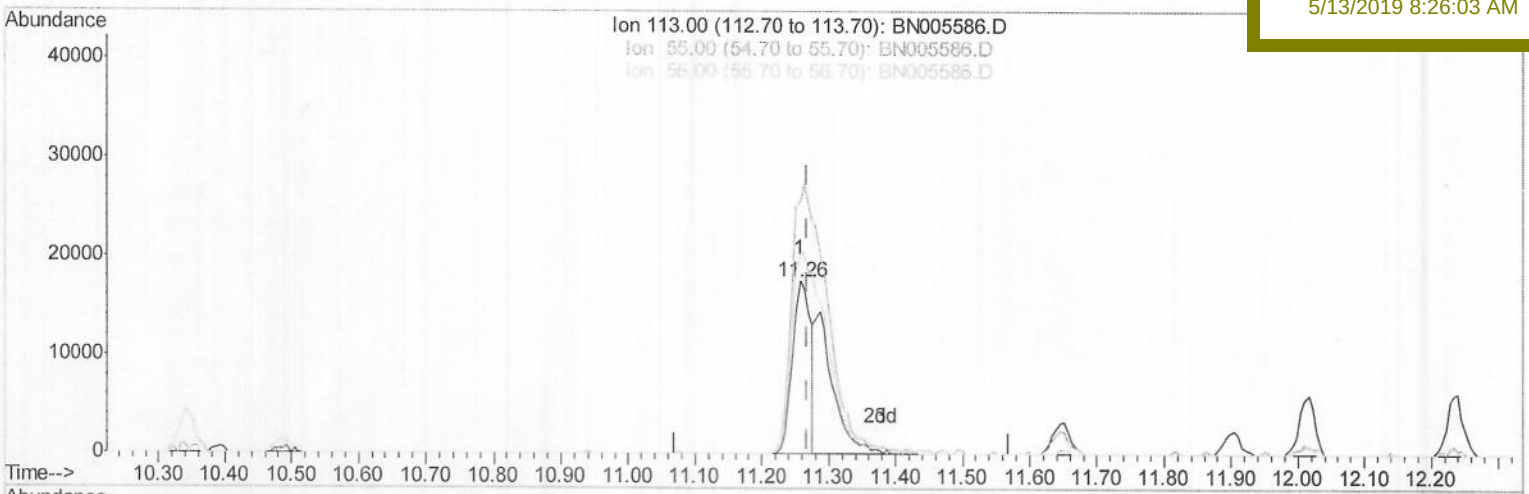
Quantitation Report (Qedit)

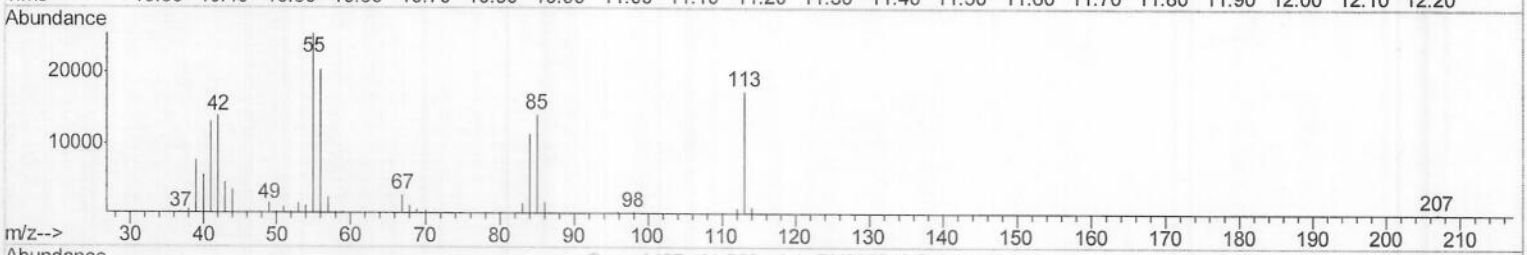
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051019\
Data File : BN005586.D
Acq On : 10 May 2019 11:31
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

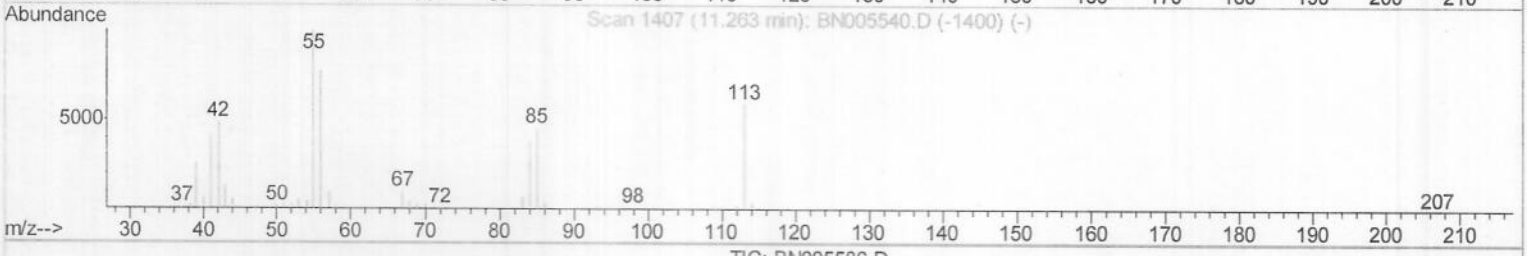
Quant Time: May 10 12:24:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTD02006

**Manual Integrations APPROVED**
mohammad
5/13/2019 8:26:03 AM




TIC: BN005586.D

(32) Caprolactam

11.257min (-0.012) 12.38ng/ul

response 33190

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 196.20 | 146.47# |
| 56.00 | 148.90 | 116.97# |
| 0.00 | 0.00 | 0.00 |

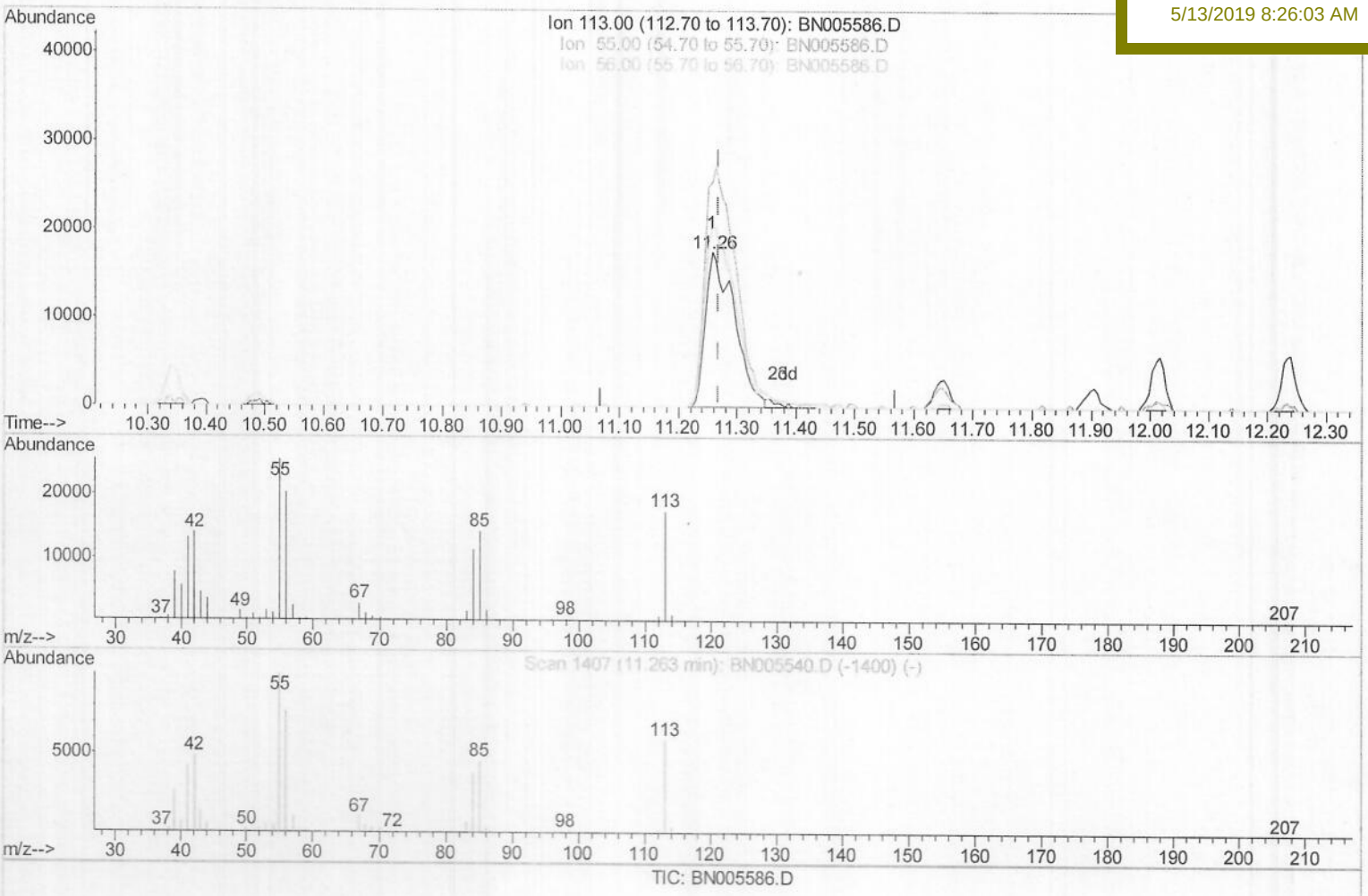
# Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051019\
Data File : BN005586.D
Acq On : 10 May 2019 11:31
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 12:24:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**LabSampleId :**
SSTD02006

**Manual Integrations APPROVED**
mohammad
5/13/2019 8:26:03 AM




(32) Caprolactam

11.257min (-0.012) 22.33ng/ul m > JU051019

response 59864

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 196.20 | 146.47# |
| 56.00 | 148.90 | 116.97# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051019\
Data File : BN005586.D
Acq On : 10 May 2019 11:31
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 12:35:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

**Instrument :** BNA_N
**LabSampleId :** SSTD02006

**Manual Integrations APPROVED**
mohammad
5/13/2019 8:26:03 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.58 | 152 | 145770 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.34 | 136 | 627847 | 20.00 | ng/ul | -0.01 |
| 35) Acenaphthene-d10 | 14.22 | 164 | 402642 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.97 | 188 | 966106 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.22 | 240 | 939901 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.44 | 264 | 955818 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.20 | 96 | 18946 | 6.28 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.77 | 99 | 197038 | 17.21 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.93 | 67 | 108484 | 15.19 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.12 | 132 | 161916 | 18.48 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.29 | 113 | 161770 | 18.08 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.73 | 128 | 84092 | 21.76 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.44 | 143 | 93207 | 23.79 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.98 | 165 | 178308 | 19.86 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.49 | 131 | 213381 | 23.04 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.63 | 166 | 555108 | 18.99 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.90 | 160 | 681030 | 18.97 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.44 | 143 | 88098 | 19.09 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.22 | 176 | 483700 | 19.72 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 94455 | 21.74 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.07 | 188 | 772207 | 19.07 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.39 | 212 | 862043 | 17.93 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.30 | 264 | 794364 | 19.02 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.23 | 88 | 20219 | 6.227 | ng/uL# | 94 |
| 4) Benzaldehyde | 6.74 | 77 | 134752 | 16.609 | ng/ul | 94 |
| 6) Phenol | 6.79 | 94 | 203083 | 17.245 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.02 | 93 | 156918 | 16.642 | ng/ul | 89 |
| 10) 2-Chlorophenol | 7.15 | 128 | 162255 | 17.913 | ng/ul | 95 |
| 11) 2-Methylphenol | 8.02 | 108 | 157496 | 17.848 | ng/ul | 94 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.11 | 45 | 213647 | 13.494 | ng/ul | 95 |
| 14) Acetophenone | 8.39 | 105 | 264586 | 18.473 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.38 | 70 | 126881 | 16.561 | ng/ul# | 90 |
| 16) 4-Methylphenol | 8.35 | 108 | 174470 | 18.308 | ng/ul | 100 |
| 17) Hexachloroethane | 8.64 | 117 | 71144 | 18.087 | ng/ul | 94 |
| 20) Nitrobenzene | 8.77 | 77 | 189876 | 17.854 | ng/ul | 92 |
| 21) Isophorone | 9.29 | 82 | 370354 | 17.588 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.48 | 139 | 98861 | 22.270 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 9.54 | 107 | 195042 | 17.547 | ng/ul | 97 |
| 25) Bis(2-Chloroethoxy)methane | 9.77 | 93 | 222497 | 16.814 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.00 | 162 | 174479 | 19.687 | ng/ul | 98 |
| 28) Naphthalene | 10.39 | 128 | 545399 | 18.686 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.51 | 127 | 217272 | 23.034 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.68 | 225 | 122333 | 19.547 | ng/ul | 97 |
| 32) Caprolactam | 11.26 | 113 | 59864m | 22.325 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.65 | 107 | 189227 | 18.962 | ng/ul | 93 |
| 34) 2-Methylnaphthalene | 12.02 | 142 | 406591 | 19.025 | ng/ul | 98 |

JU 05/10/19

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051019\
Data File : BN005586.D
Acq On : 10 May 2019 11:31
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 12:35:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration

**Instrument :** BNA_N
**LabSampleId :** SSTD02006

**Manual Integrations APPROVED**
mohammad
5/13/2019 8:26:03 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216 | 238640 | 19.151 | ng/ul# | 96 |
| 37) Hexachlorocyclopentadiene | 12.37 | 237 | 135194 | 15.913 | ng/ul | 96 |
| 38) 2,4,6-Trichlorophenol | 12.64 | 196 | 152170 | 20.252 | ng/ul | 97 |
| 39) 2,4,5-Trichlorophenol | 12.72 | 196 | 159579 | 19.764 | ng/ul | 96 |
| 40) 1,1'-Biphenyl | 13.05 | 154 | 546380 | 18.212 | ng/ul | 98 |
| 41) 2-Chloronaphthalene | 13.08 | 162 | 425097 | 18.424 | ng/ul | 96 |
| 42) 2-Nitroaniline | 13.30 | 65 | 122191 | 19.966 | ng/ul | 87 |
| 44) Dimethylphthalate | 13.68 | 163 | 556840 | 19.120 | ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 13.81 | 165 | 115623 | 22.992 | ng/ul# | 87 |
| 47) Acenaphthylene | 13.93 | 152 | 660719 | 18.728 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.13 | 138 | 109041 | 23.324 | ng/ul | 92 |
| 49) Acenaphthene | 14.28 | 153 | 449271 | 18.654 | ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.36 | 184 | 45178 | 18.443 | ng/ul | 91 |
| 52) 4-Nitrophenol | 14.46 | 109 | 72976 | 17.420 | ng/ul | 97 |
| 53) Dibenzofuran | 14.62 | 168 | 672508 | 19.394 | ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 14.61 | 165 | 170015 | 23.452 | ng/ul | 99 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.86 | 232 | 145378 | 21.644 | ng/ul | 90 |
| 56) Diethylphthalate | 15.06 | 149 | 562291 | 19.255 | ng/ul | 99 |
| 58) Fluorene | 15.27 | 166 | 540499 | 19.975 | ng/ul | 96 |
| 59) 4-Chlorophenyl-phenylether | 15.27 | 204 | 295602 | 20.594 | ng/ul | 98 |
| 60) 4-Nitroaniline | 15.30 | 138 | 125331 | 21.504 | ng/ul | 98 |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 198 | 97325 | 21.045 | ng/ul# | 95 |
| 64) N-Nitrosodiphenylamine | 15.49 | 169 | 481411 | 18.206 | ng/ul | 98 |
| 65) 4-Bromophenyl-phenylether | 16.17 | 248 | 183365 | 18.840 | ng/ul | 95 |
| 66) Hexachlorobenzene | 16.29 | 284 | 206752 | 19.949 | ng/ul | 92 |
| 67) Atrazine | 16.45 | 200 | 180108 | 18.296 | ng/ul | 96 |
| 68) Pentachlorophenol | 16.63 | 266 | 99110 | 16.332 | ng/ul | 97 |
| 69) Phenanthrene | 17.02 | 178 | 878886 | 18.679 | ng/ul | 99 |
| 71) Anthracene | 17.11 | 178 | 911874 | 19.025 | ng/ul | 98 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216 | 245490 | 17.397 | ng/uL | 98 |
| 73) Pentachlorobenzene | 14.55 | 250 | 237185 | 18.675 | ng/uL | 98 |
| 74) Carbazole | 17.39 | 167 | 801828 | 19.474 | ng/ul | 97 |
| 75) Di-n-butylphthalate | 17.96 | 149 | 964271 | 18.665 | ng/ul | 99 |
| 76) Fluoranthene | 19.06 | 202 | 1066401 | 20.434 | ng/ul | 95 |
| 79) Pyrene | 19.42 | 202 | 1080995 | 17.863 | ng/ul | 96 |
| 80) Butylbenzylphthalate | 20.35 | 149 | 448186 | 18.706 | ng/ul | 90 |
| 81) 3,3'-Dichlorobenzidine | 21.15 | 252 | 358006 | 19.064 | ng/ul# | 97 |
| 82) Benzo(a)anthracene | 21.20 | 228 | 1077768 | 18.432 | ng/ul | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 645326 | 17.491 | ng/ul# | 95 |
| 84) Chrysene | 21.26 | 228 | 1013101 | 18.669 | ng/ul | 99 |
| 86) Di-n-octyl phthalate | 22.04 | 149 | 1106228 | 18.897 | ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.79 | 252 | 1034810 | 19.260 | ng/ul# | 97 |
| 88) Benzo(k)fluoranthene | 22.83 | 252 | 960436 | 18.717 | ng/ul# | 98 |
| 90) Benzo(a)pyrene | 23.34 | 252 | 950428 | 18.819 | ng/ul# | 98 |
| 91) Indeno(1,2,3-cd)pyrene | 25.64 | 276 | 1038527 | 18.599 | ng/ul | 96 |
| 92) Dibenzo(a,h)anthracene | 25.64 | 278 | 875490 | 18.476 | ng/ul | 96 |
| 93) Benzo(g,h,i)perylene | 26.30 | 276 | 848459 | 18.377 | ng/ul# | 93 |

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