

**Instrument :**  
BNA\_M  
**ClientSampleId :**  
SSTD08095

Manual Integrations  
APPROVED

Sohil  
6/11/2018 3:59:10 PM

[illegible]

# Quantitation Report (Qedit)

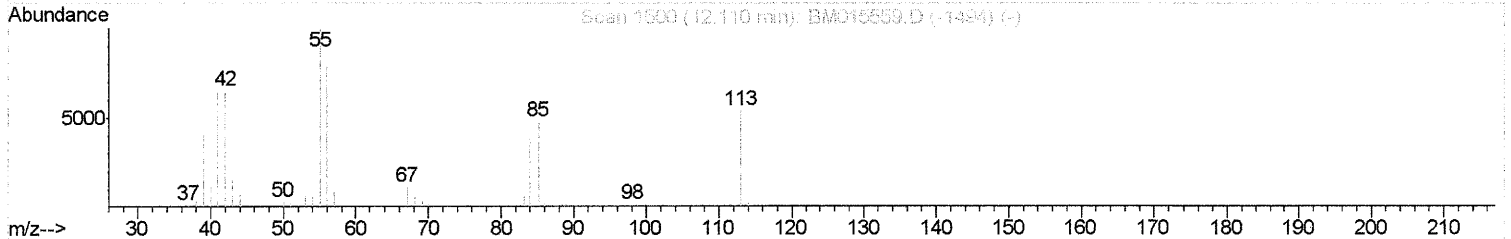
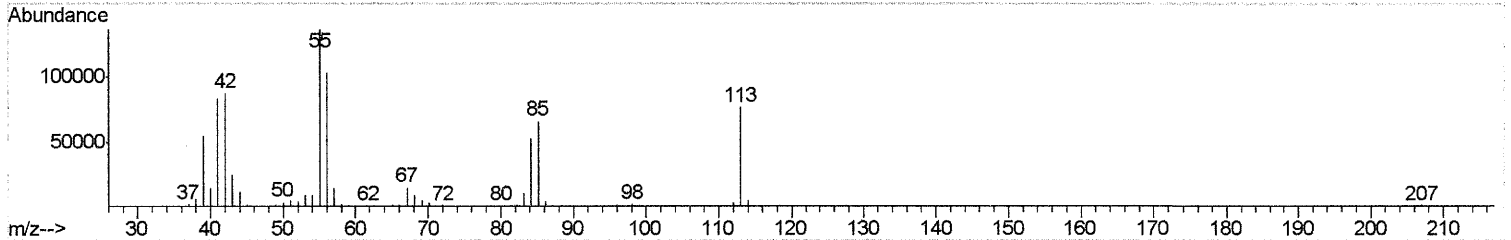
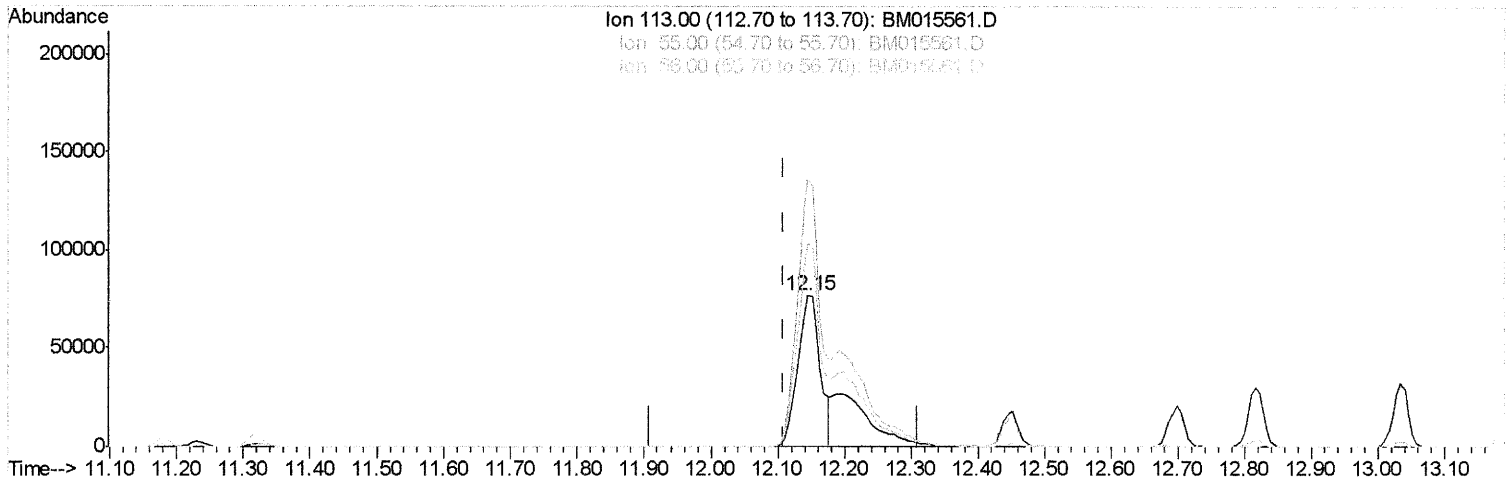
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060818\  
 Data File : BM015561.D  
 Acq On : 08 Jun 2018 12:14  
 Operator : SJ/JU  
 Sample : SST08095  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

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 BNA\_M  
 ClientSampled :  
 SST08095

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Quant Time: Jun 08 12:51:59 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 08 11:55:46 2018  
 Response via : Initial Calibration



TIC: BM015561.D

(32) Caprolactam

12.145min (+0.035) 73.25ng/ul

response 175587

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 127.40 | 177.98# |
| 56.00  | 101.50 | 134.76# |
| 0.00   | 0.00   | 0.00    |

# Quantitation Report (Qedit)

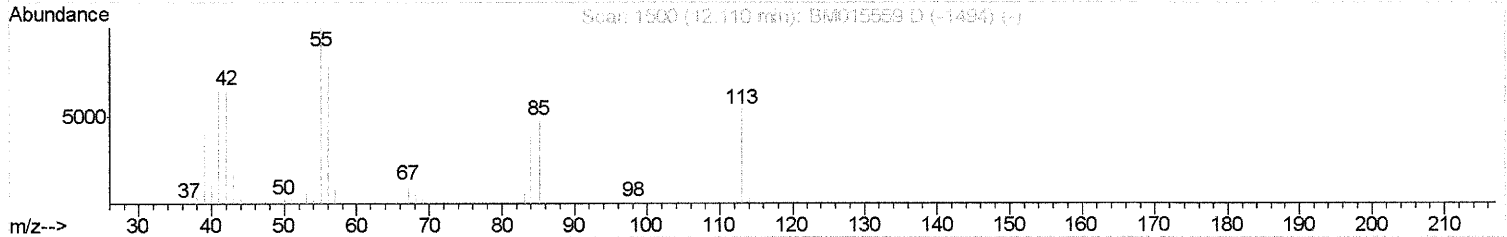
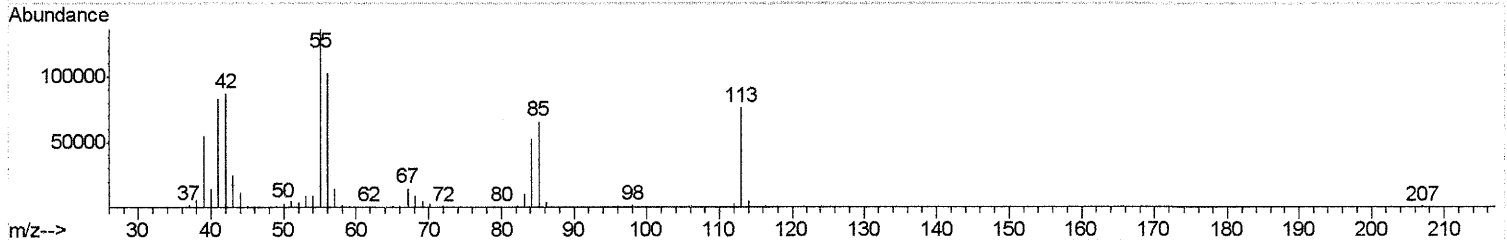
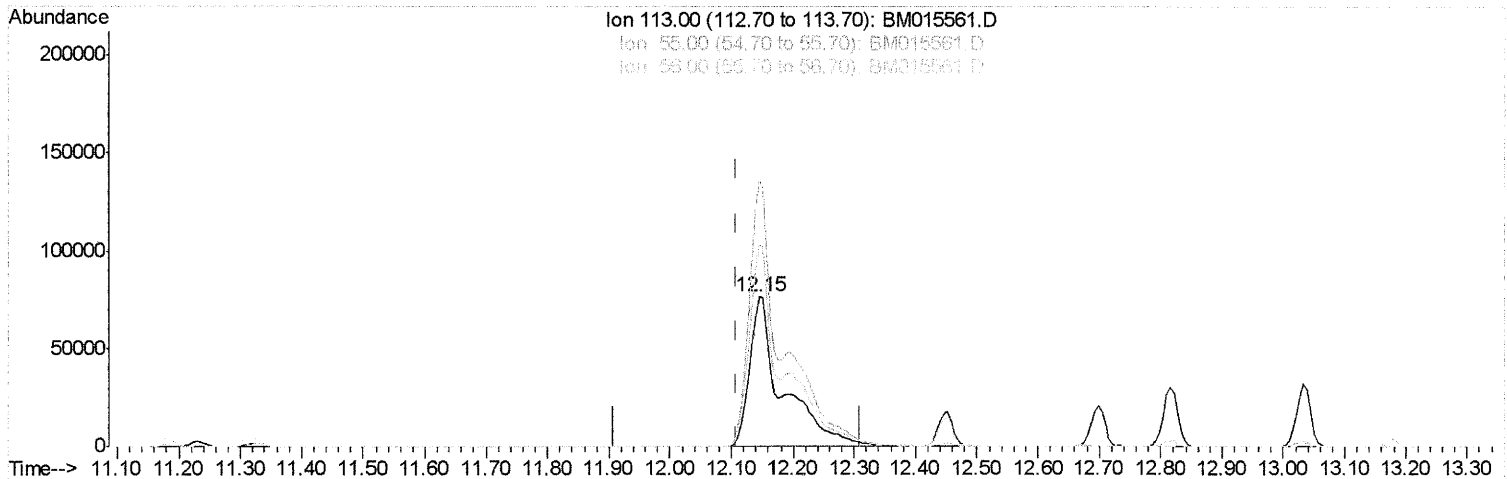
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TIC: BM015561.D

(32) Caprolactam

12.145min (+0.035) 119.45ng/ul m

*SJ 6/11/18*

response 286322

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 113.00 | 100    | 100     |
| 55.00  | 127.40 | 177.98# |
| 56.00  | 101.50 | 134.76# |
| 0.00   | 0.00   | 0.00    |

## Quantitation Report (QT Reviewed)

Instrument :  
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ClientSampled :  
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Manual Integrations  
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Acq On : 08 Jun 2018 12:14  
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Sample : SSTD08095  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 08 12:53:57 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060818MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 08 11:55:46 2018  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.35  | 152  | 112889   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.18 | 136  | 577914   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.97 | 164  | 366789   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.69 | 188  | 873533   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.80 | 240  | 1095573  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 24.21 | 264  | 1176655  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |        |       |      |
|--------------------------------|-------|-----|---------|--------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.54  | 96  | 69606   | 29.67  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.49  | 99  | 897522  | 99.70  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.66  | 67  | 511704  | 90.36  | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.87  | 132 | 715803  | 96.37  | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.07  | 113 | 767757  | 104.39 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 9.54  | 128 | 354750  | 95.45  | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.26 | 143 | 413467  | 123.79 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.80 | 165 | 784174  | 91.88  | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.32 | 131 | 765009  | 79.28  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.37 | 166 | 2489858 | 85.92  | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.67 | 160 | 2880129 | 78.24  | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.17 | 143 | 515543  | 109.61 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.95 | 176 | 2108541 | 84.60  | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.09 | 200 | 483257  | 129.60 | ng/ul | 0.02 |
| 70) Anthracene-d10             | 17.79 | 188 | 3406871 | 82.79  | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 20.04 | 212 | 3891562 | 69.99  | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 24.07 | 264 | 5049638 | 87.40  | ng/ul | 0.02 |

## Target Compounds

|                                |       |     |         |         | Qvalue    |
|--------------------------------|-------|-----|---------|---------|-----------|
| 2) 1,4-Dioxane                 | 3.58  | 88  | 72936   | 28.868  | ng/uL 87  |
| 4) Benzaldehyde                | 7.47  | 77  | 325850  | 63.307  | ng/ul 91  |
| 6) Phenol                      | 7.52  | 94  | 926521  | 105.386 | ng/ul# 87 |
| 8) Bis(2-Chloroethyl)ether     | 7.76  | 93  | 655064  | 94.272  | ng/ul# 88 |
| 10) 2-Chlorophenol             | 7.90  | 128 | 728678  | 99.342  | ng/ul# 91 |
| 11) 2-Methylphenol             | 8.79  | 108 | 710332  | 106.104 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.88  | 45  | 1076707 | 83.593  | ng/ul# 86 |
| 14) Acetophenone               | 9.19  | 105 | 1155830 | 106.246 | ng/ul# 83 |
| 15) N-Nitroso-di-n-propylamine | 9.18  | 70  | 640755  | 110.083 | ng/ul# 74 |
| 16) 4-Methylphenol             | 9.13  | 108 | 780267  | 108.444 | ng/ul 99  |
| 17) Hexachloroethane           | 9.44  | 117 | 270451  | 90.984  | ng/ul 98  |
| 20) Nitrobenzene               | 9.58  | 77  | 912150  | 96.240  | ng/ul 92  |
| 21) Isophorone                 | 10.11 | 82  | 1776338 | 95.984  | ng/ul 99  |
| 23) 2-Nitrophenol              | 10.29 | 139 | 448970  | 115.383 | ng/ul# 90 |
| 24) 2,4-Dimethylphenol         | 10.34 | 107 | 928716  | 94.470  | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 10.57 | 93  | 999751  | 87.799  | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.83 | 162 | 771098  | 96.315  | ng/ul 98  |
| 28) Naphthalene                | 11.23 | 128 | 2372482 | 84.208  | ng/ul 100 |
| 30) 4-Chloroaniline            | 11.34 | 127 | 804160  | 87.210  | ng/ul 100 |
| 31) Hexachlorobutadiene        | 11.49 | 225 | 431632  | 80.778  | ng/ul 99  |
| 32) Caprolactam                | 12.15 | 113 | 286322m | 119.452 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 12.45 | 107 | 901533  | 105.853 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.82 | 142 | 1844576 | 91.777  | ng/ul 100 |

SJ 6/11/18

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jun 08 11:55:46 2018  
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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 13.18 | 216  | 901994   | 77.471  | ng/ul  | 100      |
| 37) Hexachlorocyclopentadiene  | 13.14 | 237  | 431030   | 55.552  | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 13.42 | 196  | 641463   | 92.758  | ng/ul  | 100      |
| 39) 2,4,5-Trichlorophenol      | 13.49 | 196  | 691061   | 95.395  | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.81 | 154  | 2397759  | 81.630  | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.86 | 162  | 1868092  | 82.067  | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 14.06 | 65   | 665289   | 125.429 | ng/ul# | 80       |
| 44) Dimethylphthalate          | 14.42 | 163  | 2535484  | 90.799  | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.55 | 165  | 546209   | 121.110 | ng/ul# | 88       |
| 47) Acenaphthylene             | 14.70 | 152  | 2934077  | 84.039  | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.88 | 138  | 524823   | 115.200 | ng/ul  | 95       |
| 49) Acenaphthene               | 15.03 | 153  | 2101467  | 86.210  | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 15.09 | 184  | 334925   | 171.592 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 15.18 | 109  | 447238   | 125.094 | ng/ul  | 87       |
| 53) Dibenzofuran               | 15.36 | 168  | 2889028  | 86.368  | ng/ul  | 100      |
| 54) 2,4-Dinitrotoluene         | 15.34 | 165  | 817377   | 125.546 | ng/ul# | 83       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.59 | 232  | 626977   | 101.735 | ng/ul  | 98       |
| 56) Diethylphthalate           | 15.76 | 149  | 2690250  | 96.297  | ng/ul  | 100      |
| 58) Fluorene                   | 16.00 | 166  | 2463843  | 90.424  | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.99 | 204  | 1223300  | 87.656  | ng/ul  | 95       |
| 60) 4-Nitroaniline             | 16.04 | 138  | 633222   | 123.049 | ng/ul  | 95       |
| 63) 4,6-Dinitro-2-methylphenol | 16.10 | 198  | 510563   | 126.844 | ng/ul  | 94       |
| 64) N-Nitrosodiphenylamine     | 16.20 | 169  | 2162978  | 82.880  | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.87 | 248  | 778269   | 79.471  | ng/ul  | 93       |
| 66) Hexachlorobenzene          | 17.00 | 284  | 886506   | 80.958  | ng/ul  | 96       |
| 67) Atrazine                   | 17.14 | 200  | 780122   | 85.822  | ng/ul  | 98       |
| 68) Pentachlorophenol          | 17.34 | 266  | 539254   | 93.707  | ng/ul  | 99       |
| 69) Phenanthrene               | 17.73 | 178  | 3995861  | 85.379  | ng/ul  | 100      |
| 71) Anthracene                 | 17.83 | 178  | 4155081  | 87.199  | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.78 | 216  | 926590   | 69.187  | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 15.28 | 250  | 938729   | 72.760  | ng/uL  | 99       |
| 74) Carbazole                  | 18.09 | 167  | 3774267  | 95.675  | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.61 | 149  | 4862855  | 99.297  | ng/ul  | 99       |
| 76) Fluoranthene               | 19.71 | 202  | 4916385  | 101.570 | ng/ul  | 97       |
| 79) Pyrene                     | 20.07 | 202  | 5042509  | 73.669  | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.92 | 149  | 2498624  | 104.296 | ng/ul  | 95       |
| 81) 3,3'-Dichlorobenzidine     | 21.70 | 252  | 1906632  | 96.154  | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.78 | 228  | 5495158  | 85.540  | ng/ul  | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.66 | 149  | 3655742  | 102.326 | ng/ul  | 100      |
| 84) Chrysene                   | 21.84 | 228  | 5090180  | 84.843  | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.59 | 149  | 6410273  | 92.889  | ng/ul# | 88       |
| 87) Benzo(b)fluoranthene       | 23.49 | 252  | 5791917  | 82.050  | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 23.53 | 252  | 5756589  | 84.739  | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 24.12 | 252  | 5724812  | 86.649  | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 26.74 | 276  | 6819394  | 92.034  | ng/ul  | 99       |
| 92) Dibenzo(a,h)anthracene     | 26.74 | 278  | 5778962  | 93.008  | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 27.51 | 276  | 5543963  | 92.030  | ng/ul  | 98       |

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