

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041020\  
 Data File : VX015625.D  
 Acq On : 10 Apr 2020 16:41  
 Operator : JC/SP  
 Sample : VX0410WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0410WBSD01

Manual Integrations  
 APPROVED

apatel  
 4/13/2020 1:24:23 PM

Quant Time: Apr 11 02:27:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 944604   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 1592253  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1502300  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 795248   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.04   | 65  | 739552   | 55.51 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 111.02% |      |
| 35) Dibromofluoromethane  | 5.47   | 113 | 529213   | 52.00 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 104.00% |      |
| 50) Toluene-d8            | 8.70   | 98  | 1898991  | 50.68 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 101.36% |      |
| 62) 4-Bromofluorobenzene  | 11.12  | 95  | 787414   | 51.70 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 103.40% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.19 | 85  | 126953  | 15.255  | ug/l | 98     |
| 3) Chloromethane              | 1.31 | 50  | 200006  | 18.872  | ug/l | 98     |
| 4) Vinyl Chloride             | 1.39 | 62  | 182966  | 18.801  | ug/l | 99     |
| 5) Bromomethane               | 1.63 | 94  | 135536  | 26.396  | ug/l | 97     |
| 6) Chloroethane               | 1.72 | 64  | 125182  | 20.741  | ug/l | 99     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 237825  | 18.223  | ug/l | 98     |
| 8) Diethyl Ether              | 2.17 | 74  | 128430  | 23.331  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 141799  | 16.667  | ug/l | 95     |
| 10) Methyl Iodide             | 2.50 | 142 | 193711  | 16.888  | ug/l | 98     |
| 11) Tert butyl alcohol        | 3.01 | 59  | 289279  | 90.716  | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 165226  | 18.527  | ug/l | 94     |
| 13) Acrolein                  | 2.27 | 56  | 82478   | 45.405  | ug/l | 100    |
| 14) Allyl chloride            | 2.71 | 41  | 398863  | 19.141  | ug/l | 97     |
| 15) Acrylonitrile             | 3.11 | 53  | 654683  | 107.654 | ug/l | 99     |
| 16) Acetone                   | 2.42 | 43  | 602781  | 105.313 | ug/l | 99     |
| 17) Carbon Disulfide          | 2.55 | 76  | 449793  | 16.533  | ug/l | 97     |
| 18) Methyl Acetate            | 2.75 | 43  | 358158  | 24.517  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 755002  | 21.829  | ug/l | 98     |
| 20) Methylene Chloride        | 2.84 | 84  | 221163  | 20.687  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.15 | 96  | 197570  | 19.962  | ug/l | 99     |
| 22) Diisopropyl ether         | 3.83 | 45  | 796852  | 21.581  | ug/l | 99     |
| 23) Vinyl Acetate             | 3.79 | 43  | 3497200 | 104.608 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 391209  | 20.123  | ug/l | 99     |
| 25) 2-Butanone                | 4.64 | 43  | 941817  | 102.317 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 4.56 | 77  | 317813  | 19.916  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96  | 241384  | 21.080  | ug/l | 100    |
| 28) Bromochloromethane        | 4.98 | 49  | 215340  | 23.199  | ug/l | 97     |
| 29) Tetrahydrofuran           | 5.09 | 42  | 610974  | 103.247 | ug/l | 99     |
| 30) Chloroform                | 5.18 | 83  | 394999  | 21.118  | ug/l | 98     |
| 31) Cyclohexane               | 5.55 | 56  | 279087  | 16.548  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane     | 5.47 | 97  | 328681  | 19.417  | ug/l | 98     |
| 36) 1,1-Dichloropropene       | 5.78 | 75  | 261924  | 17.853  | ug/l | 98     |
| 37) Ethyl Acetate             | 4.80 | 43  | 371476  | 19.446  | ug/l | 100    |
| 38) Carbon Tetrachloride      | 5.76 | 117 | 273737  | 17.227  | ug/l | 100    |

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 Sample : VX0410WBSD01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0410WBSD01

Manual Integrations  
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apatel  
 4/13/2020 1:24:23 PM

Quant Time: Apr 11 02:27:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 7.45  | 83   | 252751   | 14.942  | ug/l   | 96       |
| 40) Benzene                    | 6.12  | 78   | 852238   | 19.831  | ug/l   | 98       |
| 41) Methacrylonitrile          | 5.01  | 41   | 215101   | 20.285  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 6.17  | 62   | 357914   | 20.734  | ug/l   | 99       |
| 43) Isopropyl Acetate          | 6.42  | 43   | 637503   | 19.769  | ug/l   | 99       |
| 44) Trichloroethene            | 7.19  | 130  | 234026   | 19.968  | ug/l   | 95       |
| 45) 1,2-Dichloropropane        | 7.50  | 63   | 231703   | 19.709  | ug/l   | 99       |
| 46) Dibromomethane             | 7.64  | 93   | 156422   | 20.283  | ug/l   | 97       |
| 47) Bromodichloromethane       | 7.88  | 83   | 327605   | 19.937  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.75  | 41   | 317137   | 19.689  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 7.71  | 88   | 104724   | 348.527 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 1891101  | 103.480 | ug/l   | 99       |
| 52) Toluene                    | 8.77  | 92   | 529886   | 19.999  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 9.03  | 75   | 368214   | 19.106  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 387087   | 19.717  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 229880   | 21.177  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 380108   | 19.869  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 406363   | 20.778  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 990305   | 106.423 | ug/l   | 100      |
| 59) 2-Hexanone                 | 9.48  | 43   | 1417027  | 102.704 | ug/l   | 100      |
| 60) Dibromochloromethane       | 9.57  | 129  | 262243   | 20.105  | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 244581   | 20.721  | ug/l   | 98       |
| 64) Tetrachloroethene          | 9.32  | 164  | 219081   | 19.324  | ug/l   | 95       |
| 65) Chlorobenzene              | 10.12 | 112  | 590038   | 19.694  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.21 | 131  | 237035   | 19.803  | ug/l   | 99       |
| 67) Ethyl Benzene              | 10.24 | 91   | 1012700  | 19.058  | ug/l   | 99       |
| 68) m/p-Xylenes                | 10.34 | 106  | 763710   | 38.597  | ug/l   | 99       |
| 69) o-Xylene                   | 10.68 | 106  | 380514   | 19.461  | ug/l   | 99       |
| 70) Styrene                    | 10.70 | 104  | 679643   | 19.754  | ug/l   | 99       |
| 71) Bromoform                  | 10.84 | 173  | 205422   | 18.853  | ug/l # | 99       |
| 73) Isopropylbenzene           | 11.00 | 105  | 980096   | 18.810  | ug/l   | 99       |
| 74) N-amyl acetate             | 10.88 | 43   | 536689   | 18.519  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 343739   | 19.225  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 329891m  | 20.172  | ug/l   |          |
| 77) Bromobenzene               | 11.24 | 156  | 286441   | 20.609  | ug/l   | 94       |
| 78) n-propylbenzene            | 11.34 | 91   | 1100657  | 18.473  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 710300   | 19.450  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 844843   | 18.985  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 11.06 | 75   | 116252   | 17.057  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 837996   | 19.574  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 813357   | 18.712  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 881143   | 19.431  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 899455   | 17.892  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 872940   | 18.705  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 495226   | 19.903  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 12.08 | 146  | 500234   | 19.738  | ug/l   | 99       |
| 89) n-Butylbenzene             | 12.37 | 91   | 748053   | 17.737  | ug/l   | 100      |
| 90) Hexachloroethane           | 12.58 | 117  | 151030   | 16.627  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 488993   | 20.082  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 87000    | 17.240  | ug/l   | 96       |

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Sample : VX0410WBSD01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0410WBSD01

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apatel  
4/13/2020 1:24:23 PM

Quant Time: Apr 11 02:27:24 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 27 09:35:51 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.63 | 180  | 366481   | 19.028 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 13.77 | 225  | 150897   | 16.455 | ug/l  | 98       |
| 95) Naphthalene            | 13.82 | 128  | 1198123  | 20.393 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180  | 358509   | 19.333 | ug/l  | 96       |

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

