

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR082118\  
 Data File : VR025624.D  
 Acq On : 21 Aug 2018 12:36  
 Operator : SY/MD  
 Sample : VSTD00182  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTD00182

Manual Integrations  
 APPROVED

MMDadoda  
 8/22/2018 10:49:51 AM

Quant Time: Aug 21 16:41:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR082118WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 21 16:35:04 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 478598   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 396522   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 149822   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |      |      |
|--------------------------------|-------|-----|--------|------|------|------|
| 4) Vinyl Chloride-d3           | 2.16  | 65  | 36626  | 1.12 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.62  | 69  | 29455  | 1.25 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 3.62  | 63  | 84769  | 1.10 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 6.59  | 46  | 21121  | 6.78 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.21  | 84  | 57130  | 0.99 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 7.89  | 65  | 18766  | 0.88 | ug/L | 0.00 |
| 32) Benzene-d6                 | 7.86  | 84  | 132716 | 1.23 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 8.90  | 67  | 33832  | 1.13 | ug/L | 0.00 |
| 41) Toluene-d8                 | 9.97  | 98  | 117085 | 1.11 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79  | 7797   | 1.08 | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 10.59 | 63  | 20014  | 7.44 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84  | 17027  | 1.10 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 13.51 | 152 | 25062  | 0.99 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |      |        | Qvalue |
|--------------------------------|------|-----|--------|------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.83 | 85  | 28966  | 1.04 | ug/L   | 100    |
| 3) Chloromethane               | 2.00 | 50  | 43167  | 1.03 | ug/L   | 99     |
| 5) Vinyl chloride              | 2.16 | 62  | 43091  | 1.14 | ug/L   | 93     |
| 6) Bromomethane                | 2.52 | 94  | 29582  | 1.62 | ug/L   | 98     |
| 8) Chloroethane                | 2.64 | 64  | 29187  | 1.46 | ug/L   | 99     |
| 9) Trichlorofluoromethane      | 2.94 | 101 | 59512m | 1.08 | ug/L   |        |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.67 | 101 | 37365  | 1.05 | ug/L # | 69     |
| 12) 1,1-Dichloroethene         | 3.63 | 96  | 42611  | 1.08 | ug/L   | 85     |
| 13) Acetone                    | 3.70 | 43  | 13647  | 4.27 | ug/L   | 96     |
| 14) Carbon disulfide           | 3.95 | 76  | 100715 | 1.24 | ug/L # | 93     |
| 15) Methyl Acetate             | 4.19 | 43  | 5913   | 0.70 | ug/L # | 78     |
| 16) Methylene chloride         | 4.41 | 84  | 40654  | 1.11 | ug/L # | 83     |
| 17) Methyl tert-butyl Ether    | 4.90 | 73  | 38809  | 0.94 | ug/L   | 95     |
| 18) trans-1,2-Dichloroethene   | 4.88 | 96  | 40446  | 1.09 | ug/L   | 94     |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 64563  | 1.22 | ug/L   | 98     |
| 21) 2-Butanone                 | 6.69 | 43  | 28050  | 7.23 | ug/L   | 78     |
| 22) cis-1,2-Dichloroethene     | 6.67 | 96  | 32911  | 0.98 | ug/L # | 99     |
| 23) Bromochloromethane         | 7.05 | 128 | 10088  | 0.79 | ug/L   | 91     |
| 25) Chloroform                 | 7.24 | 83  | 54878  | 0.99 | ug/L   | 97     |
| 27) 1,2-Dichloroethane         | 8.00 | 62  | 21465  | 0.96 | ug/L # | 95     |
| 29) 1,1,1-Trichloroethane      | 7.43 | 97  | 42080  | 1.25 | ug/L   | 95     |
| 30) Cyclohexane                | 7.52 | 56  | 41056  | 1.24 | ug/L   | 94     |
| 31) Carbon tetrachloride       | 7.63 | 117 | 35618  | 1.01 | ug/L   | 95     |
| 33) Benzene                    | 7.91 | 78  | 149871 | 1.21 | ug/L   | 100    |
| 34) Trichloroethene            | 8.71 | 95  | 33951  | 1.16 | ug/L   | 95     |
| 35) Methylcyclohexane          | 8.96 | 83  | 48629  | 1.22 | ug/L   | 96     |
| 37) 1,2-Dichloropropane        | 8.99 | 63  | 34403  | 1.22 | ug/L   | 99     |
| 38) Bromodichloromethane       | 9.29 | 83  | 27011  | 0.96 | ug/L   | 92     |
| 39) cis-1,3-Dichloropropene    | 9.72 | 75  | 27180  | 0.98 | ug/L   | 88     |
| 40) 4-Methyl-2-pentanone       | 9.86 | 43  | 69007  | 8.12 | ug/L   | 95     |

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 ALS Vial : 3 Sample Multiplier: 1

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 ClientSampleId :  
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 8/22/2018 10:49:51 AM

Quant Time: Aug 21 16:41:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR082118WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 21 16:35:04 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|------|--------|----------|
| -----                          |       |      |          |      |        |          |
| 42) Toluene                    | 10.03 | 91   | 141062   | 1.06 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 10.27 | 75   | 21620    | 1.05 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 10.45 | 97   | 13694    | 0.91 | ug/L # | 77       |
| 47) Tetrachloroethene          | 10.52 | 164  | 25646    | 0.99 | ug/L   | 91       |
| 48) 2-Hexanone                 | 10.63 | 43   | 56537    | 9.49 | ug/L   | 92       |
| 49) Dibromochloromethane       | 10.78 | 129  | 14799    | 0.84 | ug/L   | 88       |
| 50) 1,2-Dibromoethane          | 10.89 | 107  | 11243    | 0.88 | ug/L # | 82       |
| 51) Chlorobenzene              | 11.31 | 112  | 93188    | 1.10 | ug/L   | 96       |
| 52) Ethylbenzene               | 11.39 | 91   | 142903   | 1.06 | ug/L   | 97       |
| 53) m,p-Xylene                 | 11.51 | 106  | 55667    | 1.05 | ug/L   | 97       |
| 54) o-Xylene                   | 11.83 | 106  | 46805    | 0.94 | ug/L   | 94       |
| 55) Styrene                    | 11.85 | 104  | 81142    | 0.99 | ug/L   | 91       |
| 56) Isopropylbenzene           | 12.13 | 105  | 118593   | 0.99 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.38 | 83   | 16699    | 1.11 | ug/L   | 91       |
| 59) 1,2,3-Trichloropropane     | 12.44 | 75   | 10798    | 1.15 | ug/L # | 88       |
| 61) Bromoform                  | 12.01 | 173  | 6444     | 0.92 | ug/L   | 91       |
| 62) 1,3-Dichlorobenzene        | 13.16 | 146  | 45953    | 1.06 | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146  | 55832    | 1.07 | ug/L   | 96       |
| 65) 1,2-Dichlorobenzene        | 13.53 | 146  | 41610    | 1.01 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 14.15 | 75   | 1378     | 1.12 | ug/L # | 63       |
| 67) 1,3,5-Trichlorobenzene     | 14.29 | 180  | 27513    | 0.95 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 14.79 | 180  | 14719    | 0.82 | ug/L   | 96       |
| 69) Naphthalene                | 15.00 | 128  | 16213    | 0.77 | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.18 | 180  | 12552    | 0.82 | ug/L   | 97       |
| -----                          |       |      |          |      |        |          |

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

