

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080320\  
 Data File : VV017793.D  
 Acq On : 03 Aug 2020 13:38  
 Operator : SY/MD  
 Sample : K4649-08MSD  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleID :  
 A5169MSD

Manual Integrations  
 APPROVED

sam  
 8/7/2020 7:19:59 PM

Quant Time: Aug 04 02:20:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 04 01:48:46 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 164298   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 158069   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 89070    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 37079    | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 36578    | 5.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 112.20% |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 87364    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 103.80% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 104299   | 49.39    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.78%  |
| 24) Chloroform-d               | 4.38   | 84    | 111023   | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.60% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 63070    | 5.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 116.00% |
| 32) Benzene-d6                 | 5.07   | 84    | 179083   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 48122    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 86.40%  |
| 41) Toluene-d8                 | 7.34   | 98    | 164744   | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20%  |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 23942    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.40%  |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 78576    | 45.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.26%  |
| 56) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 37795    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.40%  |
| 66) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 75574    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.20%  |

## Target Compounds

|                                |      |     |        |        | Ovalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 73387  | 3.919  | ug/L 99  |
| 3) Chloromethane               | 1.25 | 50  | 50642  | 4.724  | ug/L 100 |
| 5) Vinyl chloride              | 1.32 | 62  | 53835  | 4.909  | ug/L 97  |
| 6) Bromomethane                | 1.53 | 94  | 37620  | 5.740  | ug/L 91  |
| 8) Chloroethane                | 1.59 | 64  | 32938  | 5.527  | ug/L 95  |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 108788 | 5.800  | ug/L 98  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 47744  | 5.859  | ug/L 97  |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 47383  | 6.278  | ug/L 90  |
| 13) Acetone                    | 2.24 | 43  | 73470m | 63.216 | ug/L     |
| 14) Carbon disulfide           | 2.31 | 76  | 130650 | 6.199  | ug/L 100 |
| 15) Methyl Acetate             | 2.46 | 43  | 14746  | 6.174  | ug/L 96  |
| 16) Methylene chloride         | 2.52 | 84  | 61652  | 7.965  | ug/L 97  |
| 17) Methyl tert-butyl Ether    | 2.79 | 73  | 115736 | 4.877  | ug/L 98  |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 50704  | 4.662  | ug/L 97  |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 90948  | 4.676  | ug/L 98  |
| 21) 2-Butanone                 | 4.05 | 43  | 100534 | 43.841 | ug/L 99  |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96  | 56887  | 4.912  | ug/L 90  |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080320\  
 Data File : VV017793.D  
 Acq On : 03 Aug 2020 13:38  
 Operator : SY/MD  
 Sample : K4649-08MSD  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A5169MSD

Manual Integrations  
 APPROVED

sam  
 8/7/2020 7:19:59 PM

Quant Time: Aug 04 02:20:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 04 01:48:46 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 23) Bromochloromethane         | 4.28  | 128  | 25664    | 5.053  | ug/L   | 90       |
| 25) Chloroform                 | 4.40  | 83   | 109704   | 4.498  | ug/L   | 100      |
| 27) 1,2-Dichloroethane         | 5.16  | 62   | 72802    | 5.409  | ug/L # | 94       |
| 29) 1,1,1-Trichloroethane      | 4.63  | 97   | 108129   | 5.534  | ug/L   | 99       |
| 30) Cyclohexane                | 4.69  | 56   | 70149    | 4.197  | ug/L   | 97       |
| 31) Carbon tetrachloride       | 4.85  | 117  | 100927   | 5.740  | ug/L   | 97       |
| 33) Benzene                    | 5.12  | 78   | 202095   | 4.707  | ug/L   | 100      |
| 34) Trichloroethene            | 5.94  | 95   | 60164    | 4.913  | ug/L   | 95       |
| 35) Methylcyclohexane          | 6.15  | 83   | 79697    | 4.154  | ug/L   | 99       |
| 37) 1,2-Dichloropropane        | 6.20  | 63   | 45620    | 4.592  | ug/L # | 95       |
| 38) Bromodichloromethane       | 6.53  | 83   | 75213    | 5.362  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene    | 7.05  | 75   | 76663    | 4.922  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone       | 7.25  | 43   | 237546   | 42.392 | ug/L   | 99       |
| 42) Toluene                    | 7.41  | 91   | 231550   | 4.850  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 7.67  | 75   | 67908    | 5.392  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 7.86  | 97   | 35427    | 4.676  | ug/L   | 99       |
| 47) Tetrachloroethene          | 8.00  | 164  | 52301    | 4.888  | ug/L   | 97       |
| 48) 2-Hexanone                 | 8.16  | 43   | 176292   | 44.516 | ug/L   | 97       |
| 49) Dibromochloromethane       | 8.27  | 129  | 49509    | 5.330  | ug/L   | 97       |
| 50) 1,2-Dibromoethane          | 8.38  | 107  | 32138    | 4.538  | ug/L # | 98       |
| 51) Chlorobenzene              | 8.90  | 112  | 152960   | 4.792  | ug/L   | 99       |
| 52) Ethylbenzene               | 9.03  | 91   | 261181   | 4.794  | ug/L   | 99       |
| 53) m,p-xylene                 | 9.16  | 106  | 102853   | 4.960  | ug/L   | 96       |
| 54) o-xylene                   | 9.56  | 106  | 96792    | 4.931  | ug/L   | 94       |
| 55) Styrene                    | 9.58  | 104  | 169443   | 5.124  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 35368    | 4.350  | ug/L   | 97       |
| 59) Bromoform                  | 9.75  | 173  | 28328    | 5.261  | ug/L   | 100      |
| 60) Isopropylbenzene           | 9.95  | 105  | 273944   | 4.814  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane     | 10.30 | 75   | 29847    | 4.598  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene     | 10.56 | 105  | 231539   | 4.928  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene     | 10.94 | 105  | 239563   | 5.131  | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene        | 11.20 | 146  | 138064   | 4.869  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene        | 11.29 | 146  | 134284   | 4.647  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene        | 11.67 | 146  | 125378   | 4.866  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropropan | 12.45 | 75   | 7880     | 5.887  | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 112230   | 4.787  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene     | 13.28 | 180  | 91814    | 4.949  | ug/L   | 100      |
| 71) Naphthalene                | 13.53 | 128  | 127174   | 4.941  | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 81825    | 4.976  | ug/L   | 98       |
| -----                          |       |      |          |        |        |          |

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

