

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\  
 Data File : VN064211.D  
 Acq On : 21 Oct 2020 10:22  
 Operator : JC/MD  
 Sample : VSTDIC001  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

MMDadoda  
 10/22/2020 3:25:33 PM

Quant Time: Oct 21 12:14:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102120W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 21 12:00:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 309156   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 491235   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 440100   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 195718   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |       |  |
|---------------------------|--------|-----|----------|------|-------|--|
| 33) 1,2-Dichloroethane-d4 | 0.00   | 65  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 35) Dibromofluoromethane  | 0.00   | 113 | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 50) Toluene-d8            | 0.00   | 98  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 62) 4-Bromofluorobenzene  | 0.00   | 95  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |

## Target Compounds

|                               |      |     |        |              | Qvalue |
|-------------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 2506   | 0.820 ug/l   | 92     |
| 3) Chloromethane              | 2.04 | 50  | 3143   | 0.852 ug/l   | 94     |
| 4) Vinyl Chloride             | 2.16 | 62  | 3088   | 0.697 ug/l   | 96     |
| 6) Chloroethane               | 2.68 | 64  | 1982   | 0.583 ug/l   | 96     |
| 7) Trichlorofluoromethane     | 2.99 | 101 | 4995   | 0.799 ug/l   | 84     |
| 8) Diethyl Ether              | 3.37 | 74  | 1626m  | 0.828 ug/l   |        |
| 9) 1,1,2-Trichlorotrifluoroet | 3.71 | 101 | 2537   | 0.824 ug/l # | 87     |
| 12) 1,1-Dichloroethene        | 3.70 | 96  | 2534m  | 0.821 ug/l   |        |
| 14) Allyl chloride            | 4.28 | 41  | 5571   | 1.105 ug/l # | 64     |
| 15) Acrylonitrile             | 4.92 | 53  | 5453m  | 3.926 ug/l   |        |
| 16) Acetone                   | 3.78 | 43  | 6202   | 4.678 ug/l   | 98     |
| 17) Carbon Disulfide          | 4.02 | 76  | 6890   | 0.782 ug/l   | 99     |
| 18) Methyl Acetate            | 4.28 | 43  | 3581   | 1.078 ug/l # | 62     |
| 19) Methyl tert-butyl Ether   | 4.98 | 73  | 8645m  | 0.934 ug/l   |        |
| 20) Methylene Chloride        | 4.50 | 84  | 3684   | 0.920 ug/l # | 70     |
| 21) trans-1,2-Dichloroethene  | 5.00 | 96  | 3055m  | 0.881 ug/l   |        |
| 22) Diisopropyl ether         | 5.89 | 45  | 11046m | 1.157 ug/l   |        |
| 23) Vinyl Acetate             | 5.85 | 43  | 41145  | 4.815 ug/l   | 98     |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 5421   | 0.829 ug/l # | 85     |
| 25) 2-Butanone                | 6.79 | 43  | 10062  | 4.946 ug/l   | 92     |
| 26) 2,2-Dichloropropane       | 6.77 | 77  | 5842   | 1.038 ug/l   | 78     |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 3649m  | 0.897 ug/l   |        |
| 28) Bromochloromethane        | 7.14 | 49  | 2369m  | 0.760 ug/l   |        |
| 29) Tetrahydrofuran           | 7.16 | 42  | 5879   | 4.924 ug/l # | 46     |
| 30) Chloroform                | 7.32 | 83  | 6167   | 0.890 ug/l   | 97     |
| 32) 1,1,1-Trichloroethane     | 7.52 | 97  | 5459   | 0.897 ug/l # | 48     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 4743   | 0.993 ug/l # | 87     |
| 37) Ethyl Acetate             | 6.87 | 43  | 4291m  | 1.007 ug/l   |        |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 4891   | 0.937 ug/l   | 88     |
| 39) Methylcyclohexane         | 9.04 | 83  | 3739   | 0.918 ug/l # | 83     |
| 40) Benzene                   | 8.00 | 78  | 12758  | 0.896 ug/l # | 88     |
| 41) Methacrylonitrile         | 7.13 | 41  | 2236m  | 1.201 ug/l   |        |
| 42) 1,2-Dichloroethane        | 8.09 | 62  | 5617   | 1.078 ug/l   | 97     |
| 43) Isopropyl Acetate         | 8.12 | 43  | 7417m  | 1.028 ug/l   |        |

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 44) Trichloroethene            | 8.80  | 130  | 3476     | 0.924  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 3313     | 0.880  | ug/l # | 85       |
| 46) Dibromomethane             | 9.17  | 93   | 2139     | 0.803  | ug/l   | 95       |
| 47) Bromodichloromethane       | 9.37  | 83   | 4538     | 0.862  | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.16  | 41   | 4693     | 1.388  | ug/l # | 82       |
| 49) 1,4-Dioxane                | 9.17  | 88   | 909      | 18.330 | ug/l # | 59       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 19582    | 4.675  | ug/l   | 100      |
| 52) Toluene                    | 10.12 | 92   | 7764     | 0.886  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 4785     | 0.875  | ug/l # | 82       |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 5846     | 0.981  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane      | 10.54 | 97   | 2788     | 0.771  | ug/l   | 94       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 4339     | 0.924  | ug/l # | 77       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 4589     | 0.765  | ug/l   | 90       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 9876     | 4.199  | ug/l # | 87       |
| 59) 2-Hexanone                 | 10.72 | 43   | 14029    | 4.755  | ug/l   | 95       |
| 60) Dibromochloromethane       | 10.87 | 129  | 4275     | 1.039  | ug/l   | 80       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 2861     | 0.778  | ug/l   | 98       |
| 64) Tetrachloroethene          | 10.60 | 164  | 3175     | 0.946  | ug/l # | 84       |
| 65) Chlorobenzene              | 11.41 | 112  | 7931     | 0.854  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 3348     | 0.943  | ug/l # | 65       |
| 67) Ethyl Benzene              | 11.48 | 91   | 14210    | 0.904  | ug/l   | 97       |
| 68) m/p-Xylenes                | 11.59 | 106  | 10411    | 1.791  | ug/l   | 98       |
| 69) o-Xylene                   | 11.92 | 106  | 5236     | 0.935  | ug/l   | 99       |
| 70) Styrene                    | 11.94 | 104  | 7756     | 0.832  | ug/l   | 91       |
| 71) Bromoform                  | 12.11 | 173  | 2233     | 0.841  | ug/l # | 66       |
| 73) Isopropylbenzene           | 12.22 | 105  | 14423    | 1.002  | ug/l   | 94       |
| 74) N-amyl acetate             | 12.04 | 43   | 5407     | 0.973  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 4067     | 0.845  | ug/l # | 90       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 3841m    | 0.825  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 3285     | 0.858  | ug/l   | 90       |
| 78) n-propylbenzene            | 12.56 | 91   | 15468    | 0.963  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 9439     | 0.924  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 11794    | 1.018  | ug/l   | 96       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 9156     | 0.887  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 9868     | 1.030  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 10984    | 0.966  | ug/l   | 93       |
| 85) sec-Butylbenzene           | 13.14 | 105  | 11868    | 0.966  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 9921     | 0.922  | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene        | 13.25 | 146  | 5646     | 0.880  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene        | 13.33 | 146  | 6293m    | 0.957  | ug/l   |          |
| 89) n-Butylbenzene             | 13.59 | 91   | 9483     | 1.036  | ug/l   | 98       |
| 90) Hexachloroethane           | 13.85 | 117  | 1960     | 0.952  | ug/l   | 80       |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 5752     | 0.903  | ug/l   | 91       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.25 | 75   | 938m     | 0.971  | ug/l   |          |
| 93) 1,2,4-Trichlorobenzene     | 14.88 | 180  | 2720     | 1.002  | ug/l   | 95       |
| 94) Hexachlorobutadiene        | 14.98 | 225  | 1855     | 1.166  | ug/l   | 84       |
| 95) Naphthalene                | 15.11 | 128  | 8073     | 0.997  | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene     | 15.29 | 180  | 2985     | 1.108  | ug/l   | 94       |

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|--------------------|------|------|----------|------|-------|----------|

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102120\  
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