

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX060121\  
 Data File : VX022313.D  
 Acq On : 02 Jun 2021 00:49  
 Operator : JC/MD  
 Sample : VX0601WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0601WBSD02

Manual Integrations  
 APPROVED

MMDadoda  
 6/2/2021 1:59:27 PM

Quant Time: Jun 02 03:28:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 19 14:23:10 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response           | Conc   | Units | Dev(Min) |
|------------------------------|----------------|------|--------------------|--------|-------|----------|
| -----                        |                |      |                    |        |       |          |
| Internal Standards           |                |      |                    |        |       |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 82284              | 50.00  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 169999             | 50.00  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 154086             | 50.00  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 67415              | 50.00  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                    |        |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 72548              | 57.16  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 114.32% |        |       |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 55971              | 51.92  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.84% |        |       |          |
| 50) Toluene-d8               | 8.653          | 98   | 213720             | 51.46  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 102.92% |        |       |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 81653              | 53.20  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 106.40% |        |       |          |
| Target Compounds             |                |      |                    |        |       |          |
|                              |                |      |                    |        |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 18553              | 18.55  | ug/l  | 100      |
| 3) Chloromethane             | 1.294          | 50   | 20719              | 19.20  | ug/l  | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 22019              | 19.28  | ug/l  | 98       |
| 5) Bromomethane              | 1.599          | 94   | 15328              | 23.03  | ug/l  | 98       |
| 6) Chloroethane              | 1.685          | 64   | 13968              | 20.55  | ug/l  | 96       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 33598              | 20.47  | ug/l  | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 14539              | 20.59  | ug/l  | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 19736              | 20.25  | ug/l  | 93       |
| 10) Methyl Iodide            | 2.453          | 142  | 21153              | 20.19  | ug/l  | 96       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 36212              | 124.73 | ug/l  | 100      |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 19601              | 20.78  | ug/l  | 97       |
| 13) Acrolein                 | 2.239          | 56   | 6337               | 32.91  | ug/l  | 97       |
| 14) Allyl chloride           | 2.666          | 41   | 36899              | 21.30  | ug/l  | 96       |
| 15) Acrylonitrile            | 3.068          | 53   | 70641              | 123.60 | ug/l  | 100      |
| 16) Acetone                  | 2.386          | 43   | 64922              | 117.47 | ug/l  | 91       |
| 17) Carbon Disulfide         | 2.514          | 76   | 37058              | 15.00  | ug/l  | 98       |
| 18) Methyl Acetate           | 2.709          | 43   | 37538              | 25.54  | ug/l  | 92       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 72029              | 22.30  | ug/l  | 98       |
| 20) Methylene Chloride       | 2.794          | 84   | 25804              | 21.03  | ug/l  | 91       |
| 21) trans-1,2-Dichloroethene | 3.099          | 96   | 20919              | 20.39  | ug/l  | 97       |
| 22) Diisopropyl ether        | 3.769          | 45   | 76655              | 22.98  | ug/l  | 92       |
| 23) Vinyl Acetate            | 3.733          | 43   | 360486             | 112.23 | ug/l  | 97       |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 43260              | 22.10  | ug/l  | 97       |
| 25) 2-Butanone               | 4.568          | 43   | 108672             | 121.54 | ug/l  | 92       |
| 26) 2,2-Dichloropropane      | 4.489          | 77   | 28079              | 16.16  | ug/l  | 98       |
| 27) cis-1,2-Dichloroethene   | 4.501          | 96   | 27380              | 21.95  | ug/l  | 98       |
| 28) Bromochloromethane       | 4.903          | 49   | 23513              | 24.76  | ug/l  | 83       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 62672              | 117.76 | ug/l  | 91       |
| 30) Chloroform               | 5.105          | 83   | 44580              | 22.04  | ug/l  | 94       |
| 31) Cyclohexane              | 5.477          | 56   | 30517              | 19.13  | ug/l  | 96       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 36640              | 21.20  | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 30506              | 19.41  | ug/l  | 98       |
| 37) Ethyl Acetate            | 4.727          | 43   | 40604              | 21.07  | ug/l  | 96       |
| 38) Carbon Tetrachloride     | 5.690          | 117  | 28890              | 18.79  | ug/l  | 95       |
| 39) Methylcyclohexane        | 7.385          | 83   | 28864              | 16.19  | ug/l  | 95       |
| 40) Benzene                  | 6.043          | 78   | 98760              | 20.42  | ug/l  | 95       |

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 Sample : VX0601WBSD02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0601WBSD02

Manual Integrations  
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MMDadoda  
 6/2/2021 1:59:27 PM

Quant Time: Jun 02 03:28:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 19 14:23:10 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.940  | 41   | 23081    | 22.39  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 35931    | 21.20  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 68792    | 21.83  | ug/l   | 94       |
| 44) Trichloroethene           | 7.135  | 130  | 23932    | 19.91  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 26479    | 21.46  | ug/l   | 93       |
| 46) Dibromomethane            | 7.586  | 93   | 17361    | 20.74  | ug/l # | 87       |
| 47) Bromodichloromethane      | 7.830  | 83   | 32853    | 19.61  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.702  | 41   | 31910    | 21.97  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 13097    | 463.09 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 219746   | 116.39 | ug/l   | 91       |
| 52) Toluene                   | 8.720  | 92   | 60884    | 19.88  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 36356    | 18.80  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.372  | 75   | 39699    | 19.10  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 27001    | 21.71  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 42436    | 21.12  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 45972    | 21.65  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 111949   | 103.00 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 166611   | 117.33 | ug/l   | 90       |
| 60) Dibromochloromethane      | 9.525  | 129  | 23111    | 19.10  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 26372    | 21.30  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 19070    | 18.85  | ug/l   | 88       |
| 65) Chlorobenzene             | 10.085 | 112  | 66584    | 20.76  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 22500    | 20.19  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 117829   | 19.97  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.305 | 106  | 87676    | 39.32  | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 44403    | 20.47  | ug/l   | 97       |
| 70) Styrene                   | 10.659 | 104  | 74572    | 20.99  | ug/l   | 99       |
| 71) Bromoform                 | 10.805 | 173  | 13384    | 16.64  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 116154   | 20.36  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.848 | 43   | 60424    | 22.31  | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 42074    | 22.25  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 38046m   | 22.88  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 24837    | 20.53  | ug/l   | 87       |
| 78) n-propylbenzene           | 11.311 | 91   | 134503   | 20.13  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 81402    | 20.08  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 95805    | 20.26  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 11730    | 16.71  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 94032    | 20.14  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 91011    | 20.07  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 97602    | 20.50  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 112631   | 19.54  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 94737    | 19.46  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.975 | 146  | 46117    | 19.77  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 47079    | 19.53  | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.335 | 91   | 85209    | 18.92  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 14067    | 17.49  | ug/l   | 72       |
| 91) 1,2-Dichlorobenzene       | 12.341 | 146  | 46645    | 20.82  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 8374     | 20.69  | ug/l   | 81       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 26473    | 19.58  | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 8937     | 16.94  | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 114452   | 21.71  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 27013    | 19.82  | ug/l   | 97       |

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ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0601WBSD02

Manual Integrations  
APPROVED

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6/2/2021 1:59:27 PM

Quant Time: Jun 02 03:28:50 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 19 14:23:10 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

