Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
Data File : VX031648.D
Acq On : 26 Sep 2022 13:32
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX092622

Quant Time: Sep 27 01:52:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 27 01:44:18 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.609 | 0.565 | 7.2 | 97 | 0.00 |
| 3 | P | Chloromethane | 0.667 | 0.568 | 14.8 | 98 | 0.00 |
| 4 | C | Vinyl Chloride | 0.837 | 0.783 | 6.5# | 99 | 0.00 |
| 5 | T | Bromomethane | 0.931 | 0.913 | 1.9 | 110 | 0.00 |
| 6 | T | Chloroethane | 1.174 | 1.002 | 14.7 | 99 | 0.00 |
| 7 | T | Trichlorofluoromethane | 2.287 | 1.960 | 14.3 | 97 | 0.00 |
| 8 | T | Diethyl Ether | 0.723 | 0.651 | 10.0 | 99 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.665 | 0.585 | 12.0 | 96 | 0.00 |
| 10 | T | Methyl Iodide | 0.651 | 0.635 | 2.5 | 89 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.167 | 0.149 | 10.8 | 100 | 0.02 |
| 12 | CM | 1,1-Dichloroethene | 0.629 | 0.537 | 14.6# | 99 | 0.00 |
| 13 | T | Acrolein | 0.080 | 0.094 | -17.5 | 134 | 0.00 |
| 14 | T | Allyl chloride | 0.874 | 0.815 | 6.8 | 97 | 0.00 |
| 15 | T | Acrylonitrile | 0.368 | 0.355 | 3.5 | 98 | 0.00 |
| 16 | T | Acetone | 0.309 | 0.280 | 9.4 | 101 | 0.00 |
| 17 | T | Carbon Disulfide | 1.303 | 1.076 | 17.4 | 95 | 0.00 |
| 18 | T | Methyl Acetate | 0.954 | 0.893 | 6.4 | 100 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.360 | 2.327 | 1.4 | 98 | 0.00 |
| 20 | T | Methylene Chloride | 0.803 | 0.671 | 16.4 | 99 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.735 | 0.682 | 7.2 | 98 | 0.00 |
| 22 | T | Diisopropyl ether | 2.251 | 2.401 | -6.7 | 98 | 0.00 |
| 23 | T | Vinyl Acetate | 1.780 | 1.948 | -9.4 | 98 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.297 | 1.213 | 6.5 | 96 | 0.00 |
| 25 | T | 2-Butanone | 0.507 | 0.530 | -4.5 | 101 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.053 | 1.020 | 3.1 | 92 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.900 | 0.879 | 2.3 | 98 | 0.00 |
| 28 | T | Bromochloromethane | 0.607 | 0.638 | -5.1 | 98 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.318 | 0.351 | -10.4 | 101 | 0.00 |
| 30 | C | Chloroform | 1.596 | 1.642 | -2.9# | 97 | 0.00 |
| 31 | T | Cyclohexane | 1.009 | 1.012 | -0.3 | 95 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.322 | 1.364 | -3.2 | 94 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 1.061 | 1.102 | -3.9 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.596 | 0.585 | 1.8 | 99 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.684 | 0.660 | 3.5 | 95 | 0.00 |
| 37 | T | Ethyl Acetate | 0.690 | 0.702 | -1.7 | 96 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.771 | 0.772 | -0.1 | 96 | 0.00 |
| 39 | T | Methylcyclohexane | 0.780 | 0.743 | 4.7 | 97 | 0.00 |
| 40 | TM | Benzene | 2.101 | 2.079 | 1.0 | 98 | 0.00 |
| 41 | T | Methacrylonitrile | 0.351 | 0.370 | -5.4 | 100 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.813 | 0.837 | -3.0 | 96 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.086 | 1.160 | -6.8 | 97 | 0.00 |
| 44 | TM | Trichloroethene | 0.594 | 0.562 | 5.4 | 96 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.510 | 0.497 | 2.5# | 96 | 0.00 |
| 46 | T | Dibromomethane | 0.410 | 0.403 | 1.7 | 98 | 0.00 |
| 47 | T | Bromodichloromethane | 0.739 | 0.803 | -8.7 | 100 | 0.00 |
| 48 | T | Methyl methacrylate | 0.478 | 0.528 | -10.5 | 100 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX092622

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.012 | 0.013 | -8.3 | 100 | 0.02 |
| 50 | S | Toluene-d8 | 2.160 | 2.266 | -4.9 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.688 | 0.767 | -11.5 | 100 | 0.00 |
| 52 | CM | Toluene | 1.401 | 1.504 | -7.4# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.710 | 0.870 | -22.5 | 98 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.768 | 0.851 | -10.8 | 97 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.603 | 0.632 | -4.8 | 96 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.772 | 0.910 | -17.9 | 99 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.955 | 1.013 | -6.1 | 98 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.380 | 0.425 | -11.8 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 0.513 | 0.583 | -13.6 | 100 | 0.00 |
| 60 | T | Dibromochloromethane | 0.606 | 0.716 | -18.2 | 97 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.612 | 0.721 | -17.8 | 100 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.792 | 0.913 | -15.3 | 99 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 64 | T | Tetrachloroethene | 0.534 | 0.483 | 9.6 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 1.393 | 1.387 | 0.4 | 96 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.501 | 0.531 | -6.0 | 97 | 0.00 |
| 67 | C | Ethyl Benzene | 2.370 | 2.431 | -2.6# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 0.952 | 1.006 | -5.7 | 97 | 0.00 |
| 69 | T | o-Xylene | 0.931 | 0.993 | -6.7 | 96 | 0.00 |
| 70 | T | Styrene | 1.515 | 1.676 | -10.6 | 98 | 0.00 |
| 71 | P | Bromoform | 0.357 | 0.422 | -18.2 | 97 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 3.234 | 3.124 | 3.4 | 96 | 0.00 |
| 74 | T | N-amyl acetate | 1.049 | 1.091 | -4.0 | 98 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.027 | 1.036 | -0.9 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.906 | 0.930 | -2.6 | 100 | 0.00 |
| 77 | T | Bromobenzene | 0.822 | 0.796 | 3.2 | 100 | 0.00 |
| 78 | T | n-propylbenzene | 3.598 | 3.629 | -0.9 | 96 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.222 | 2.187 | 1.6 | 98 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.741 | 2.795 | -2.0 | 97 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.227 | 0.268 | -18.1 | 99 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.567 | 2.596 | -1.1 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.643 | 2.738 | -3.6 | 98 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.713 | 2.792 | -2.9 | 97 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.359 | 3.391 | -1.0 | 96 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.897 | 2.934 | -1.3 | 95 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.594 | 1.565 | 1.8 | 96 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.668 | 1.612 | 3.4 | 98 | 0.00 |
| 89 | T | n-Butylbenzene | 2.366 | 2.421 | -2.3 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 0.465 | 0.471 | -1.3 | 93 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.596 | 1.598 | -0.1 | 97 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.206 | 0.228 | -10.7 | 97 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.933 | 0.911 | 2.4 | 95 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.364 | 0.336 | 7.7 | 98 | 0.00 |
| 95 | T | Naphthalene | 3.117 | 3.301 | -5.9 | 98 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.958 | 0.935 | 2.4 | 96 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6