Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082823\
Data File : VD077052.D
Acq On : 28 Aug 2023 20:17
Operator : JC/SY
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: Aug 29 02:52:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 29 02:15:23 2023
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 | 88 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.478 | 0.404 | 15.5 | 77 | 0.00 |
| 3 | P | Chloromethane | 0.911 | 0.741 | 18.7 | 73 | 0.00 |
| 4 | C | Vinyl Chloride | 1.022 | 0.886 | 13.3# | 77 | 0.00 |
| 5 | T | Bromomethane | 0.874 | 0.729 | 16.6 | 75 | 0.00 |
| 6 | T | Chloroethane | 0.694 | 0.639 | 7.9 | 80 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.925 | 0.780 | 15.7 | 76 | 0.00 |
| 8 | T | Diethyl Ether | 0.253 | 0.251 | 0.8 | 79 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.540 | 0.486 | 10.0 | 79 | 0.00 |
| 10 | T | Methyl Iodide | 0.688 | 0.706 | -2.6 | 80 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.030 | 0.025 | 16.7 | 71 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.536 | 0.472 | 11.9# | 76 | 0.00 |
| 13 | T | Acrolein | 0.058 | 0.061 | -5.2 | 80 | 0.00 |
| 14 | T | Allyl chloride | 0.591 | 0.536 | 9.3 | 78 | 0.00 |
| 15 | T | Acrylonitrile | 0.112 | 0.108 | 3.6 | 78 | 0.00 |
| 16 | T | Acetone | 0.112 | 0.074 | 33.9# | 57 | 0.00 |
| 17 | T | Carbon Disulfide | 1.635 | 1.398 | 14.5 | 77 | 0.00 |
| 18 | T | Methyl Acetate | 0.380 | 0.389 | -2.4 | 82 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.162 | 1.123 | 3.4 | 77 | 0.00 |
| 20 | T | Methylene Chloride | 0.819 | 0.698 | 14.8 | 80 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.631 | 0.578 | 8.4 | 77 | 0.00 |
| 22 | T | Diisopropyl ether | 1.324 | 1.328 | -0.3 | 79 | 0.00 |
| 23 | T | Vinyl Acetate | 0.663 | 0.636 | 4.1 | 77 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.994 | 0.943 | 5.1 | 79 | 0.00 |
| 25 | T | 2-Butanone | 0.141 | 0.121 | 14.2 | 71 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.884 | 0.698 | 21.0 | 67 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.709 | 0.657 | 7.3 | 77 | 0.00 |
| 28 | T | Bromochloromethane | 0.355 | 0.339 | 4.5 | 90 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.078 | 0.080 | -2.6 | 79 | 0.00 |
| 30 | C | Chloroform | 1.113 | 1.078 | 3.1# | 81 | 0.00 |
| 31 | T | Cyclohexane | 0.786 | 0.636 | 19.1 | 75 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.966 | 0.903 | 6.5 | 80 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.492 | 0.522 | -6.1 | 95 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.334 | 0.345 | -3.3 | 94 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.476 | 0.422 | 11.3 | 78 | 0.00 |
| 37 | T | Ethyl Acetate | 0.172 | 0.162 | 5.8 | 78 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.481 | 0.411 | 14.6 | 76 | 0.00 |
| 39 | T | Methylcyclohexane | 0.553 | 0.481 | 13.0 | 79 | 0.00 |
| 40 | TM | Benzene | 1.429 | 1.319 | 7.7 | 79 | 0.00 |
| 41 | T | Methacrylonitrile | 0.095 | 0.105 | -10.5 | 92 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.369 | 0.351 | 4.9 | 84 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.326 | 0.305 | 6.4 | 78 | 0.00 |
| 44 | TM | Trichloroethene | 0.407 | 0.358 | 12.0 | 76 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.338 | 0.324 | 4.1# | 80 | 0.00 |
| 46 | T | Dibromomethane | 0.215 | 0.208 | 3.3 | 84 | 0.00 |
| 47 | T | Bromodichloromethane | 0.502 | 0.474 | 5.6 | 80 | 0.00 |
| 48 | T | Methyl methacrylate | 0.146 | 0.134 | 8.2 | 76 | 0.00 |

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**Instrument :**
MSVOA_D
**LabSampleId :**
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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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.002 | 0.002 | 0.0 | 79 | 0.00 |
| 50 | S | Toluene-d8 | 1.208 | 1.301 | -7.7 | 96 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.168 | 0.165 | 1.8 | 79 | 0.00 |
| 52 | CM | Toluene | 0.921 | 0.866 | 6.0# | 78 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.465 | 0.426 | 8.4 | 76 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.553 | 0.505 | 8.7 | 77 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.286 | 0.273 | 4.5 | 80 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.301 | 0.295 | 2.0 | 79 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.454 | 0.436 | 4.0 | 81 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.075 | 0.057 | 24.0 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 0.120 | 0.112 | 6.7 | 74 | 0.00 |
| 60 | T | Dibromochloromethane | 0.354 | 0.335 | 5.4 | 79 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.273 | 0.263 | 3.7 | 83 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.356 | 0.385 | -8.1 | 93 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 64 | T | Tetrachloroethene | 0.360 | 0.320 | 11.1 | 81 | 0.00 |
| 65 | PM | Chlorobenzene | 1.084 | 0.988 | 8.9 | 81 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.405 | 0.365 | 9.9 | 78 | 0.00 |
| 67 | C | Ethyl Benzene | 1.861 | 1.702 | 8.5# | 78 | 0.00 |
| 68 | T | m/p-Xylenes | 0.745 | 0.687 | 7.8 | 78 | 0.00 |
| 69 | T | o-Xylene | 0.681 | 0.631 | 7.3 | 78 | 0.00 |
| 70 | T | Styrene | 1.183 | 1.136 | 4.0 | 79 | 0.00 |
| 71 | P | Bromoform | 0.226 | 0.216 | 4.4 | 82 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 73 | T | Isopropylbenzene | 3.489 | 3.136 | 10.1 | 78 | 0.00 |
| 74 | T | N-amyl acetate | 0.615 | 0.568 | 7.6 | 78 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.682 | 0.621 | 8.9 | 82 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.482 | 0.388 | 19.5 | 76 | 0.00 |
| 77 | T | Bromobenzene | 0.880 | 0.816 | 7.3 | 80 | 0.00 |
| 78 | T | n-propylbenzene | 4.264 | 3.840 | 9.9 | 78 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.331 | 2.131 | 8.6 | 79 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.913 | 2.643 | 9.3 | 77 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.208 | 0.174 | 16.3 | 78 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.466 | 2.208 | 10.5 | 78 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.519 | 2.317 | 8.0 | 80 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.922 | 2.738 | 6.3 | 79 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.803 | 3.409 | 10.4 | 79 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.243 | 2.905 | 10.4 | 77 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.823 | 1.646 | 9.7 | 79 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.769 | 1.605 | 9.3 | 80 | 0.00 |
| 89 | T | n-Butylbenzene | 2.978 | 2.598 | 12.8 | 75 | 0.00 |
| 90 | T | Hexachloroethane | 0.629 | 0.573 | 8.9 | 81 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.554 | 1.415 | 8.9 | 80 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.095 | 0.088 | 7.4 | 82 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.956 | 0.847 | 11.4 | 76 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.501 | 0.426 | 15.0 | 78 | 0.00 |
| 95 | T | Naphthalene | 1.773 | 1.658 | 6.5 | 78 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.856 | 0.755 | 11.8 | 76 | 0.00 |

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