

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021323\
 Data File : VL040167.D
 Acq On : 14 Feb 2023 8:48
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Feb 14 09:20:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 31 05:24:57 2023
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	81	-0.03
2 T	Dichlorodifluoromethane	1.753	1.241	29.2	65	-0.02
3	Chlorodifluoromethane	1.199	1.239	-3.3	90	-0.02
4	Chloromethane	0.741	0.800	-8.0	92	-0.02
5 T	Vinyl Chloride	0.628	0.696	-10.8	92	-0.02
6 T	Bromomethane	0.229	0.231	-0.9	86	-0.02
7	Chloroethane	0.240	0.256	-6.7	93	-0.02
8 T	Dichlorotetrafluoroethane	1.637	1.634	0.2	85	-0.02
9 T	Propene	0.498	0.556	-11.6	97	-0.02
10 T	Heptane	1.149	1.359	-18.3	92	-0.03
11 T	Trichlorofluoromethane	1.750	1.665	4.9	79	-0.02
12 T	1,1,2-Trichlorotrifluoroeth	1.316	1.259	4.3	81	-0.02
13	Ethanol	0.046	0.044#	4.3	100	-0.02
14 T	Bromoethene	0.488	0.522	-7.0	87	-0.02
15 T	Acetone	1.199	1.242	-3.6	92	-0.02
16 T	1,3-Butadiene	0.559	0.614	-9.8	92	-0.02
17	tert-Butyl alcohol	1.117	1.328	-18.9	93	-0.02
18 T	1,1-Dichloroethene	0.572	0.571	0.2	84	-0.02
19 T	Isopropyl Alcohol	0.587	0.681	-16.0	98	-0.02
20 T	Methylene Chloride	0.529	0.502	5.1	87	-0.02
21 T	Allyl Chloride	0.770	0.847	-10.0	89	-0.03
22 T	trans-1,2-Dichloroethene	0.584	0.601	-2.9	85	-0.03
23 T	Vinyl Acetate	0.389	0.468	-20.3	98	-0.03
24 T	1,1-Dichloroethane	1.177	1.197	-1.7	84	-0.03
25 T	Ethyl Acetate	2.113	2.442	-15.6	96	-0.03
26 T	Hexane	0.925	1.062	-14.8	98	-0.03
27 T	Carbon Disulfide	1.198	1.449	-21.0	87	-0.03
28 T	Methyl tert-Butyl Ether	1.040	1.146	-10.2	91	-0.03
29 T	Chloroform	1.478	1.725	-16.7	100	-0.03
30 T	Cyclohexane	0.735	0.893	-21.5	96	-0.03
31 T	cis-1,2-Dichloroethene	0.895	0.946	-5.7	87	-0.03
32 T	1,1,1-Trichloroethane	1.503	1.710	-13.8	88	-0.03
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	85	-0.03
34 T	2-Butanone	0.473	0.511	-8.0	91	-0.03
35 T	Carbon Tetrachloride	0.565	0.656	-16.1	87	-0.03
36 T	Benzene	0.740	0.845	-14.2	97	-0.03
37 T	1,2-Dichloroethane	0.476	0.487	-2.3	88	-0.03
38 T	Trichloroethene	0.420	0.494	-17.6	95	-0.03
39 T	1,2-Dichloropropane	0.289	0.317	-9.7	93	-0.04
40 T	1,4-Dioxane	0.115	0.131	-13.9	94	-0.04
41 T	Tetrahydrofuran	0.273	0.329	-20.5	100	-0.03
42 T	Bromodichloromethane	0.642	0.715	-11.4	88	-0.03
43	Methyl Methacrylate	0.272	0.342	-25.7	95	-0.03
44 T	2,2,4-Trimethylpentane	1.231	1.378	-11.9	93	-0.03
45 T	t-1,3-Dichloropropene	0.242	0.330	-36.4#	94	-0.03
46 T	cis-1,3-Dichloropropene	0.331	0.442	-33.5#	95	-0.03
47 T	1,1,2-Trichloroethane	0.305	0.346	-13.4	93	-0.03
48 T	Dibromochloromethane	0.490	0.598	-22.0	91	-0.03

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.377	0.472	-25.2	88	-0.03
50 T	4-Methyl-2-Pentanone	0.744	0.853	-14.7	91	-0.03
51 T	2-Hexanone	0.564	0.674	-19.5	90	-0.03
52 T	Tetrachloroethene	0.242	0.289	-19.4	96	-0.04
53 T	Toluene	0.789	0.972	-23.2	96	-0.03
54 T	1,2-Dibromoethane	0.319	0.400	-25.4	94	-0.03
55 I	Chlorobenzene-d5	1.000	1.000	0.0	86	-0.04
56	1,1,1,2-Tetrachloroethane	0.389	0.422	-8.5	89	-0.04
57 T	Chlorobenzene	0.682	0.750	-10.0	95	-0.03
58 T	Ethyl Benzene	1.116	1.314	-17.7	93	-0.03
59 T	m/p-Xylene	1.003	1.119	-11.6	91	-0.04
60 T	o-Xylene	0.952	1.055	-10.8	89	-0.03
61 T	Styrene	0.496	0.635	-28.0	94	-0.03
62	Isopropylbenzene	1.370	1.496	-9.2	90	-0.03
63 T	1,1,2,2-Tetrachloroethane	0.346	0.351	-1.4	87	-0.03
64	n-propylbenzene	0.341	0.387	-13.5	92	-0.03
65	tert-Butylbenzene	1.173	1.302	-11.0	90	-0.04
66 T	Benzyl Chloride	0.080	0.104	-30.0	90	-0.03
67	sec-Butylbenzene	1.663	1.827	-9.9	89	-0.03
68 S	1-Bromo-4-Fluorobenzene	0.831	0.716	13.8	72	-0.03
69	p-Isopropyltoluene	1.307	1.485	-13.6	90	-0.03
70	n-Butylbenzene	1.409	1.579	-12.1	89	-0.04
71	2-Chlorotoluene	1.054	1.164	-10.4	90	-0.03
72 T	4-Ethyltoluene	1.057	1.214	-14.9	90	-0.03
73 T	1,3,5-Trimethylbenzene	0.952	1.075	-12.9	90	-0.04
74 T	1,2,4-Trimethylbenzene	1.054	1.157	-9.8	89	-0.03
75 T	1,3-Dichlorobenzene	0.585	0.653	-11.6	91	-0.03
76 T	1,4-Dichlorobenzene	0.576	0.641	-11.3	92	-0.03
77 T	1,2-Dichlorobenzene	0.560	0.615	-9.8	91	-0.04
78 T	Hexachloro-1,3-Butadiene	0.410	0.406	1.0	93	-0.04
79 T	Naphthalene	0.604	0.875	-44.9#	99	-0.04
80 T	Naphthalene,2-methyl-	0.203	0.327	-61.1#	123	-0.03
81 T	1,2,4-Trichlorobenzene	0.372	0.453	-21.8	98	-0.04

(#) = Out of Range

SPCC's out = 0 CCC's out = 0