

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013023\
 Data File : VL040139.D
 Acq On : 31 Jan 2023 8:43
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Jan 31 09:13:47 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	77	0.00
2 T	Dichlorodifluoromethane	1.753	1.643	6.3	81	0.00
3	Chlorodifluoromethane	1.199	1.215	-1.3	83	0.00
4	Chloromethane	0.741	0.763	-3.0	82	0.00
5 T	Vinyl Chloride	0.628	0.672	-7.0	84	0.00
6 T	Bromomethane	0.229	0.234	-2.2	82	0.00
7	Chloroethane	0.240	0.250	-4.2	86	0.00
8 T	Dichlorotetrafluoroethane	1.637	1.674	-2.3	82	0.00
9 T	Propene	0.498	0.484	2.8	79	0.00
10 T	Heptane	1.149	1.295	-12.7	82	0.00
11 T	Trichlorofluoromethane	1.750	1.817	-3.8	82	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.316	1.337	-1.6	81	0.00
13	Ethanol	0.046	0.038#	17.4	81	-0.01
14 T	Bromoethene	0.488	0.533	-9.2	84	0.00
15 T	Acetone	1.199	1.188	0.9	83	0.00
16 T	1,3-Butadiene	0.559	0.601	-7.5	85	0.00
17	tert-Butyl alcohol	1.117	1.264	-13.2	84	0.00
18 T	1,1-Dichloroethene	0.572	0.593	-3.7	82	0.00
19 T	Isopropyl Alcohol	0.587	0.609	-3.7	82	0.00
20 T	Methylene Chloride	0.529	0.509	3.8	83	0.00
21 T	Allyl Chloride	0.770	0.846	-9.9	84	0.00
22 T	trans-1,2-Dichloroethene	0.584	0.638	-9.2	85	0.00
23 T	Vinyl Acetate	0.389	0.403	-3.6	79	0.00
24 T	1,1-Dichloroethane	1.177	1.231	-4.6	81	0.00
25 T	Ethyl Acetate	2.113	2.307	-9.2	85	0.00
26 T	Hexane	0.925	0.993	-7.4	86	0.00
27 T	Carbon Disulfide	1.198	1.497	-25.0	84	0.00
28 T	Methyl tert-Butyl Ether	1.040	1.105	-6.2	83	0.00
29 T	Chloroform	1.478	1.726	-16.8	94	0.00
30 T	Cyclohexane	0.735	0.822	-11.8	83	0.00
31 T	cis-1,2-Dichloroethene	0.895	0.916	-2.3	80	0.00
32 T	1,1,1-Trichloroethane	1.503	1.731	-15.2	84	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	77	0.00
34 T	2-Butanone	0.473	0.512	-8.2	83	0.00
35 T	Carbon Tetrachloride	0.565	0.692	-22.5	83	0.00
36 T	Benzene	0.740	0.811	-9.6	84	0.00
37 T	1,2-Dichloroethane	0.476	0.516	-8.4	85	0.00
38 T	Trichloroethene	0.420	0.479	-14.0	84	0.00
39 T	1,2-Dichloropropane	0.289	0.312	-8.0	83	-0.01
40 T	1,4-Dioxane	0.115	0.123	-7.0	80	0.00
41 T	Tetrahydrofuran	0.273	0.310	-13.6	86	0.00
42 T	Bromodichloromethane	0.642	0.735	-14.5	82	0.00
43	Methyl Methacrylate	0.272	0.324	-19.1	82	-0.01
44 T	2,2,4-Trimethylpentane	1.231	1.350	-9.7	83	0.00
45 T	t-1,3-Dichloropropene	0.242	0.318	-31.4#	83	0.00
46 T	cis-1,3-Dichloropropene	0.331	0.433	-30.8#	84	0.00
47 T	1,1,2-Trichloroethane	0.305	0.339	-11.1	83	0.00
48 T	Dibromochloromethane	0.490	0.589	-20.2	81	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.377	0.460	-22.0	78	0.00
50 T	4-Methyl-2-Pentanone	0.744	0.846	-13.7	82	0.00
51 T	2-Hexanone	0.564	0.668	-18.4	82	0.00
52 T	Tetrachloroethene	0.242	0.276	-14.0	83	0.00
53 T	Toluene	0.789	0.915	-16.0	82	0.00
54 T	1,2-Dibromoethane	0.319	0.384	-20.4	82	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	81	0.00
56	1,1,1,2-Tetrachloroethane	0.389	0.411	-5.7	81	0.00
57 T	Chlorobenzene	0.682	0.693	-1.6	82	0.00
58 T	Ethyl Benzene	1.116	1.225	-9.8	82	0.00
59 T	m/p-Xylene	1.003	1.057	-5.4	81	0.00
60 T	o-Xylene	0.952	1.011	-6.2	80	0.00
61 T	Styrene	0.496	0.576	-16.1	80	0.00
62	Isopropylbenzene	1.370	1.406	-2.6	80	0.00
63 T	1,1,2,2-Tetrachloroethane	0.346	0.333	3.8	78	0.00
64	n-propylbenzene	0.341	0.353	-3.5	79	-0.01
65	tert-Butylbenzene	1.173	1.211	-3.2	79	0.00
66 T	Benzyl Chloride	0.080	0.079	1.3	64	0.00
67	sec-Butylbenzene	1.663	1.698	-2.1	78	0.00
68 S	1-Bromo-4-Fluorobenzene	0.831	0.798	4.0	76	0.00
69	p-Isopropyltoluene	1.307	1.358	-3.9	77	0.00
70	n-Butylbenzene	1.409	1.458	-3.5	78	0.00
71	2-Chlorotoluene	1.054	1.080	-2.5	79	0.00
72 T	4-Ethyltoluene	1.057	1.118	-5.8	78	0.00
73 T	1,3,5-Trimethylbenzene	0.952	0.985	-3.5	78	-0.01
74 T	1,2,4-Trimethylbenzene	1.054	1.069	-1.4	77	0.00
75 T	1,3-Dichlorobenzene	0.585	0.583	0.3	77	0.00
76 T	1,4-Dichlorobenzene	0.576	0.570	1.0	77	0.00
77 T	1,2-Dichlorobenzene	0.560	0.557	0.5	77	0.00
78 T	Hexachloro-1,3-Butadiene	0.410	0.405	1.2	87	0.00
79 T	Naphthalene	0.604	0.881	-45.9#	94	0.00
80 T	Naphthalene,2-methyl-	0.203	0.249	-22.7	88	0.00
81 T	1,2,4-Trichlorobenzene	0.372	0.437	-17.5	89	0.00

(#) = Out of Range

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