

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021422\
 Data File : VL038336.D
 Acq On : 14 Feb 2022 10:28
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Feb 15 00:39:26 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 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	92	-0.02
2 T	Dichlorodifluoromethane	2.129	1.667	21.7	70	0.00
3	Chlorodifluoromethane	1.991	2.289	-15.0	111	0.00
4	Chloromethane	0.685	0.792	-15.6	112	0.00
5 T	Vinyl Chloride	0.684	0.797	-16.5	113	0.00
6 T	Bromomethane	0.370	0.444	-20.0	111	-0.01
7	Chloroethane	0.231	0.264	-14.3	107	-0.01
8 T	Dichlorotetrafluoroethane	1.647	1.879	-14.1	110	-0.01
9 T	Propene	0.648	0.772	-19.1	110	0.00
10 T	Heptane	1.667	1.981	-18.8	111	-0.02
11 T	Trichlorofluoromethane	1.658	1.988	-19.9	112	-0.01
12 T	1,1,2-Trichlorotrifluoroeth	1.254	1.446	-15.3	110	-0.01
13	Ethanol	0.070	0.142	-102.9#	184#	-0.02
14 T	Bromoethene	0.490	0.578	-18.0	112	-0.01
15 T	Acetone	0.882	0.999	-13.3	120	0.00
16 T	1,3-Butadiene	0.633	0.754	-19.1	113	0.00
17	tert-Butyl alcohol	0.968	1.215	-25.5	117	-0.01
18 T	1,1-Dichloroethene	0.545	0.646	-18.5	111	-0.02
19 T	Isopropyl Alcohol	0.551	0.652	-18.3	118	-0.01
20 T	Methylene Chloride	0.513	0.542	-5.7	112	-0.01
21 T	Allyl Chloride	0.780	0.986	-26.4	114	-0.02
22 T	trans-1,2-Dichloroethene	0.563	0.692	-22.9	115	0.00
23 T	Vinyl Acetate	1.282	1.589	-23.9	115	-0.02
24 T	1,1-Dichloroethane	1.142	1.387	-21.5	116	-0.01
25 T	Ethyl Acetate	2.468	2.468	0.0	98	-0.01
26 T	Hexane	1.148	1.162	-1.2	100	0.00
27 T	Carbon Disulfide	1.343	1.677	-24.9	109	-0.02
28 T	Methyl tert-Butyl Ether	1.191	1.442	-21.1	113	-0.01
29 T	Chloroform	1.874	2.150	-14.7	111	-0.02
30 T	Cyclohexane	1.000	1.166	-16.6	108	-0.01
31 T	cis-1,2-Dichloroethene	1.001	1.039	-3.8	113	-0.01
32 T	1,1,1-Trichloroethane	1.872	2.226	-18.9	112	-0.02
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	109	-0.02
34 T	2-Butanone	0.327	0.320	2.1	119	-0.01
35 T	Carbon Tetrachloride	0.702	0.687	2.1	111	-0.01
36 T	Benzene	0.885	0.852	3.7	110	-0.02
37 T	1,2-Dichloroethane	0.507	0.510	-0.6	112	-0.01
38 T	Trichloroethene	0.329	0.313	4.9	112	-0.02
39 T	1,2-Dichloropropane	0.359	0.348	3.1	111	-0.02
40 T	1,4-Dioxane	0.086	0.085	1.2	124	-0.02
41 T	Tetrahydrofuran	0.220	0.218	0.9	114	-0.02
42 T	Bromodichloromethane	0.752	0.733	2.5	111	-0.02
43	Methyl Methacrylate	0.313	0.328	-4.8	112	-0.01
44 T	2,2,4-Trimethylpentane	1.559	1.466	6.0	111	-0.02
45 T	t-1,3-Dichloropropene	0.254	0.296	-16.5	111	-0.02
46 T	cis-1,3-Dichloropropene	0.339	0.366	-8.0	111	-0.02
47 T	1,1,2-Trichloroethane	0.352	0.347	1.4	113	-0.02
48 T	Dibromochloromethane	0.593	0.595	-0.3	111	-0.02

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.428	0.449	-4.9	115	-0.02
50 T	4-Methyl-2-Pentanone	0.583	0.585	-0.3	111	-0.02
51 T	2-Hexanone	0.257	0.264	-2.7	109	-0.01
52 T	Tetrachloroethene	0.305	0.284	6.9	113	-0.02
53 T	Toluene	0.979	0.976	0.3	112	-0.02
54 T	1,2-Dibromoethane	0.501	0.511	-2.0	115	-0.02
55 I	Chlorobenzene-d5	1.000	1.000	0.0	115	-0.02
56	1,1,1,2-Tetrachloroethane	0.438	0.393	10.3	113	-0.02
57 T	Chlorobenzene	0.800	0.707	11.6	113	-0.02
58 T	Ethyl Benzene	1.470	1.328	9.7	112	-0.02
59 T	m/p-Xylene	1.254	1.128	10.0	114	-0.02
60 T	o-Xylene	1.166	1.056	9.4	115	-0.02
61 T	Styrene	0.544	0.549	-0.9	114	-0.02
62	Isopropylbenzene	1.555	1.390	10.6	114	-0.02
63 T	1,1,2,2-Tetrachloroethane	0.863	0.772	10.5	124	-0.02
64	n-propylbenzene	0.374	0.360	3.7	118	-0.02
65	tert-Butylbenzene	1.280	1.224	4.4	124	-0.01
66 T	Benzyl Chloride	0.058	0.071	-22.4	118	-0.02
67	sec-Butylbenzene	1.781	1.711	3.9	125	-0.01
68 S	1-Bromo-4-Fluorobenzene	0.759	0.776	-2.2	115	-0.02
69	p-Isopropyltoluene	1.363	1.373	-0.7	128	-0.02
70	n-Butylbenzene	1.335	1.387	-3.9	131	-0.01
71	2-Chlorotoluene	1.151	1.088	5.5	119	-0.02
72 T	4-Ethyltoluene	1.220	1.221	-0.1	123	-0.02
73 T	1,3,5-Trimethylbenzene	1.097	1.075	2.0	123	-0.01
74 T	1,2,4-Trimethylbenzene	1.155	1.121	2.9	125	-0.02
75 T	1,3-Dichlorobenzene	0.620	0.624	-0.6	130	-0.02
76 T	1,4-Dichlorobenzene	0.600	0.606	-1.0	128	-0.02
77 T	1,2-Dichlorobenzene	0.576	0.582	-1.0	133	-0.02
78 T	Hexachloro-1,3-Butadiene	0.400	0.307	23.3	108	-0.02
79 T	Naphthalene	0.540	0.566	-4.8	104	-0.02
80 T	Naphthalene,2-methyl-	0.059	0.130	-120.3#	151#	-0.01
81 T	1,2,4-Trichlorobenzene	0.318	0.307	3.5	107	-0.03

(#) = Out of Range

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