

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040048.D
 Acq On : 20 Dec 2022 8:13
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Dec 20 09:04:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 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	90	-0.01
2 T	Dichlorodifluoromethane	1.872	1.460	22.0	96	0.00
3	Chlorodifluoromethane	1.475	1.243	15.7	91	0.00
4	Chloromethane	0.924	0.726	21.4	83	0.00
5 T	Vinyl Chloride	0.748	0.675	9.8	91	0.00
6 T	Bromomethane	0.275	0.280	-1.8	104	0.00
7	Chloroethane	0.282	0.238	15.6	89	0.00
8 T	Dichlorotetrafluoroethane	1.969	1.604	18.5	89	0.00
9 T	Propene	0.626	0.561	10.4	93	0.00
10 T	Heptane	1.528	1.358	11.1	90	-0.02
11 T	Trichlorofluoromethane	2.034	1.670	17.9	87	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.540	1.256	18.4	86	0.00
13	Ethanol	0.059	0.036#	39.0#	66	0.00
14 T	Bromoethene	0.580	0.503	13.3	87	0.00
15 T	Acetone	1.547	1.277	17.5	95	0.00
16 T	1,3-Butadiene	0.672	0.596	11.3	88	0.00
17	tert-Butyl alcohol	1.525	1.389	8.9	95	0.00
18 T	1,1-Dichloroethene	0.671	0.552	17.7	85	0.00
19 T	Isopropyl Alcohol	0.762	0.617	19.0	82	0.00
20 T	Methylene Chloride	0.658	0.487	26.0	90	-0.01
21 T	Allyl Chloride	0.930	0.830	10.8	88	0.00
22 T	trans-1,2-Dichloroethene	0.668	0.576	13.8	84	0.00
23 T	Vinyl Acetate	0.490	0.233	52.4#	46	-0.02
24 T	1,1-Dichloroethane	1.440	1.210	16.0	89	-0.01
25 T	Ethyl Acetate	2.679	2.528	5.6	100	-0.01
26 T	Hexane	1.126	0.969	13.9	91	-0.01
27 T	Carbon Disulfide	1.420	1.359	4.3	85	0.00
28 T	Methyl tert-Butyl Ether	1.327	1.147	13.6	91	-0.01
29 T	Chloroform	1.718	1.394	18.9	87	-0.01
30 T	Cyclohexane	0.997	0.937	6.0	95	-0.02
31 T	cis-1,2-Dichloroethene	1.072	0.922	14.0	86	-0.01
32 T	1,1,1-Trichloroethane	1.840	1.688	8.3	87	-0.01
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	92	-0.01
34 T	2-Butanone	0.542	0.456	15.9	89	-0.01
35 T	Carbon Tetrachloride	0.621	0.577	7.1	86	-0.02
36 T	Benzene	0.893	0.764	14.4	90	-0.01
37 T	1,2-Dichloroethane	0.524	0.422	19.5	85	-0.02
38 T	Trichloroethene	0.459	0.353	23.1	72	-0.02
39 T	1,2-Dichloropropane	0.335	0.289	13.7	90	-0.01
40 T	1,4-Dioxane	0.151	0.125	17.2	89	-0.01
41 T	Tetrahydrofuran	0.339	0.297	12.4	93	-0.01
42 T	Bromodichloromethane	0.718	0.624	13.1	87	-0.02
43	Methyl Methacrylate	0.335	0.315	6.0	93	-0.02
44 T	2,2,4-Trimethylpentane	1.470	1.249	15.0	92	-0.02
45 T	t-1,3-Dichloropropene	0.283	0.251	11.3	75	-0.01
46 T	cis-1,3-Dichloropropene	0.400	0.352	12.0	79	-0.02
47 T	1,1,2-Trichloroethane	0.367	0.315	14.2	90	-0.02
48 T	Dibromochloromethane	0.558	0.515	7.7	87	-0.02

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.425	0.413	2.8	88	-0.02
50 T	4-Methyl-2-Pentanone	0.886	0.764	13.8	88	-0.02
51 T	2-Hexanone	0.689	0.592	14.1	87	-0.02
52 T	Tetrachloroethene	0.304	0.256	15.8	88	-0.02
53 T	Toluene	0.989	0.863	12.7	89	-0.01
54 T	1,2-Dibromoethane	0.395	0.397	-0.5	99	-0.01
55 I	Chlorobenzene-d5	1.000	1.000	0.0	87	-0.01
56	1,1,1,2-Tetrachloroethane	0.461	0.428	7.2	92	-0.02
57 T	Chlorobenzene	0.849	0.716	15.7	87	-0.02
58 T	Ethyl Benzene	1.421	1.277	10.1	89	-0.02
59 T	m/p-Xylene	1.238	1.065	14.0	88	-0.02
60 T	o-Xylene	1.186	1.013	14.6	87	-0.02
61 T	Styrene	0.636	0.592	6.9	85	-0.02
62	Isopropylbenzene	1.710	1.543	9.8	94	-0.02
63 T	1,1,2,2-Tetrachloroethane	0.435	0.564	-29.7	147	-0.02
64	n-propylbenzene	0.432	0.398	7.9	95	-0.02
65	tert-Butylbenzene	1.486	1.340	9.8	95	-0.02
66 T	Benzyl Chloride	0.087	0.063	27.6	59	-0.02
67	sec-Butylbenzene	2.082	1.869	10.2	95	-0.01
68 S	1-Bromo-4-Fluorobenzene	0.764	0.769	-0.7	90	-0.02
69	p-Isopropyltoluene	1.663	1.491	10.3	94	-0.02
70	n-Butylbenzene	1.742	1.543	11.4	94	-0.01
71	2-Chlorotoluene	1.304	1.146	12.1	92	-0.02
72 T	4-Ethyltoluene	1.317	1.161	11.8	88	-0.02
73 T	1,3,5-Trimethylbenzene	1.187	1.026	13.6	89	-0.02
74 T	1,2,4-Trimethylbenzene	1.309	1.096	16.3	88	-0.01
75 T	1,3-Dichlorobenzene	0.716	0.591	17.5	85	-0.01
76 T	1,4-Dichlorobenzene	0.699	0.575	17.7	85	-0.02
77 T	1,2-Dichlorobenzene	0.687	0.579	15.7	89	-0.02
78 T	Hexachloro-1,3-Butadiene	0.476	0.364	23.5	89	-0.02
79 T	Naphthalene	0.780	0.717	8.1	83	-0.01
80 T	Naphthalene,2-methyl-	0.239	0.140	41.4#	56	0.00
81 T	1,2,4-Trichlorobenzene	0.463	0.376	18.8	84	-0.02

(#) = Out of Range

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