

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039666.D
 Acq On : 22 Sep 2022 12:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Sep 22 15:12:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 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	91	0.02
2 T	Dichlorodifluoromethane	1.159	0.978	15.6	93	0.02
3	Chlorodifluoromethane	1.187	1.061	10.6	92	0.02
4	Chloromethane	0.716	0.565	21.1	80	0.02
5 T	Vinyl Chloride	0.597	0.543	9.0	88	0.02
6 T	Bromomethane	0.220	0.220	0.0	99	0.02
7	Chloroethane	0.218	0.195	10.6	84	0.02
8 T	Dichlorotetrafluoroethane	1.391	1.260	9.4	90	0.02
9 T	Propene	0.542	0.474	12.5	87	0.01
10 T	Heptane	1.265	1.209	4.4	90	0.03
11 T	Trichlorofluoromethane	1.436	1.320	8.1	92	0.02
12 T	1,1,2-Trichlorotrifluoroeth	1.084	0.988	8.9	94	0.02
13	Ethanol	0.041	0.027#	34.1#	72	0.02
14 T	Bromoethene	0.433	0.400	7.6	89	0.02
15 T	Acetone	1.113	0.980	11.9	92	0.02
16 T	1,3-Butadiene	0.564	0.536	5.0	90	0.02
17	tert-Butyl alcohol	0.999	1.034	-3.5	92	0.02
18 T	1,1-Dichloroethene	0.477	0.425	10.9	87	0.02
19 T	Isopropyl Alcohol	0.567	0.499	12.0	83	0.02
20 T	Methylene Chloride	0.514	0.362	29.6	88	0.02
21 T	Allyl Chloride	0.758	0.659	13.1	86	0.02
22 T	trans-1,2-Dichloroethene	0.472	0.418	11.4	84	0.02
23 T	Vinyl Acetate	0.503	0.253	49.7#	49	0.02
24 T	1,1-Dichloroethane	1.002	0.920	8.2	90	0.02
25 T	Ethyl Acetate	2.426	2.484	-2.4	103	0.02
26 T	Hexane	1.030	0.893	13.3	89	0.03
27 T	Carbon Disulfide	1.082	0.993	8.2	80	0.02
28 T	Methyl tert-Butyl Ether	0.865	0.803	7.2	90	0.02
29 T	Chloroform	1.486	1.366	8.1	92	0.02
30 T	Cyclohexane	0.797	0.759	4.8	91	0.03
31 T	cis-1,2-Dichloroethene	0.931	0.853	8.4	86	0.02
32 T	1,1,1-Trichloroethane	1.346	1.344	0.1	91	0.03
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.03
34 T	2-Butanone	0.491	0.480	2.2	102	0.02
35 T	Carbon Tetrachloride	0.531	0.530	0.2	91	0.03
36 T	Benzene	0.765	0.714	6.7	89	0.03
37 T	1,2-Dichloroethane	0.416	0.388	6.7	89	0.03
38 T	Trichloroethene	0.413	0.326	21.1	71	0.02
39 T	1,2-Dichloropropane	0.295	0.274	7.1	89	0.03
40 T	1,4-Dioxane	0.121	0.101	16.5	91	0.03
41 T	Tetrahydrofuran	0.301	0.292	3.0	85	0.02
42 T	Bromodichloromethane	0.579	0.557	3.8	90	0.03
43	Methyl Methacrylate	0.279	0.290	-3.9	91	0.03
44 T	2,2,4-Trimethylpentane	1.318	1.219	7.5	90	0.02
45 T	t-1,3-Dichloropropene	0.236	0.205	13.1	66	0.03
46 T	cis-1,3-Dichloropropene	0.335	0.311	7.2	74	0.03
47 T	1,1,2-Trichloroethane	0.323	0.295	8.7	89	0.03
48 T	Dibromochloromethane	0.486	0.488	-0.4	87	0.03

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.402	0.414	-3.0	87	0.03
50 T	4-Methyl-2-Pentanone	0.772	0.768	0.5	89	0.03
51 T	2-Hexanone	0.571	0.570	0.2	85	0.03
52 T	Tetrachloroethene	0.292	0.272	6.8	90	0.03
53 T	Toluene	0.850	0.835	1.8	87	0.03
54 T	1,2-Dibromoethane	0.345	0.376	-9.0	96	0.03
55 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.03
56	1,1,1,2-Tetrachloroethane	0.404	0.389	3.7	96	0.03
57 T	Chlorobenzene	0.735	0.642	12.7	88	0.03
58 T	Ethyl Benzene	1.153	1.135	1.6	90	0.03
59 T	m/p-Xylene	1.026	0.962	6.2	90	0.03
60 T	o-Xylene	0.980	0.925	5.6	90	0.03
61 T	Styrene	0.528	0.534	-1.1	86	0.03
62	Isopropylbenzene	1.474	1.444	2.0	97	0.03
63 T	1,1,2,2-Tetrachloroethane	0.391	0.565	-44.5#	145	0.03
64	n-propylbenzene	0.378	0.372	1.6	96	0.03
65	tert-Butylbenzene	1.303	1.283	1.5	98	0.03
66 T	Benzyl Chloride	0.104	0.069	33.7#	58	0.02
67	sec-Butylbenzene	1.827	1.810	0.9	99	0.03
68 S	1-Bromo-4-Fluorobenzene	0.747	0.737	1.3	89	0.03
69	p-Isopropyltoluene	1.501	1.525	-1.6	100	0.03
70	n-Butylbenzene	1.472	1.527	-3.7	102	0.03
71	2-Chlorotoluene	1.065	1.061	0.4	97	0.03
72 T	4-Ethyltoluene	1.119	1.102	1.5	91	0.03
73 T	1,3,5-Trimethylbenzene	1.024	0.998	2.5	94	0.03
74 T	1,2,4-Trimethylbenzene	1.147	1.091	4.9	95	0.03
75 T	1,3-Dichlorobenzene	0.685	0.648	5.4	95	0.04
76 T	1,4-Dichlorobenzene	0.685	0.624	8.9	95	0.03
77 T	1,2-Dichlorobenzene	0.668	0.636	4.8	96	0.03
78 T	Hexachloro-1,3-Butadiene	0.510	0.474	7.1	105	0.03
79 T	Naphthalene	0.757	0.874	-15.5	96	0.04
80 T	Naphthalene,2-methyl-	0.285	0.233	18.2	75	0.02
81 T	1,2,4-Trichlorobenzene	0.497	0.508	-2.2	99	0.03

(#) = Out of Range

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