

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111323\
 Data File : VL040842.D
 Acq On : 13 Nov 2023 16:01
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111323

Quant Time: Nov 13 16:44:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 13 15:42:46 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	100	0.03
2 T	Dichlorodifluoromethane	2.027	1.768	12.8	99	0.04
3	Chlorodifluoromethane	1.597	1.423	10.9	100	0.04
4	Chloromethane	0.574	0.517	9.9	100	0.04
5 T	Vinyl Chloride	0.571	0.541	5.3	101	0.03
6 T	Bromomethane	0.218	0.199	8.7	100	0.03
7	Chloroethane	0.198	0.179	9.6	97	0.03
8 T	Dichlorotetrafluoroethane	1.464	1.313	10.3	100	0.03
9 T	Propene	0.538	0.492	8.6	101	0.04
10 T	Heptane	1.324	1.232	6.9	101	0.02
11 T	Trichlorofluoromethane	1.558	1.414	9.2	101	0.03
12 T	1,1,2-Trichlorotrifluoroeth	1.107	1.006	9.1	100	0.03
13	Ethanol	0.104	0.083	20.2	95	0.03
14 T	Bromoethene	0.445	0.432	2.9	103	0.03
15 T	Acetone	1.065	0.957	10.1	103	0.03
16 T	1,3-Butadiene	0.539	0.523	3.0	101	0.03
17	tert-Butyl alcohol	0.911	0.853	6.4	107	0.03
18 T	1,1-Dichloroethene	0.493	0.442	10.3	100	0.03
19 T	Isopropyl Alcohol	0.641	0.624	2.7	107	0.03
20 T	Methylene Chloride	0.440	0.361	18.0	102	0.03
21 T	Allyl Chloride	0.682	0.647	5.1	100	0.03
22 T	trans-1,2-Dichloroethene	0.560	0.479	14.5	93	0.02
23 T	Vinyl Acetate	1.375	1.349	1.9	97	0.03
24 T	1,1-Dichloroethane	1.226	0.963	21.5	82	0.02
25 T	Ethyl Acetate	2.205	2.087	5.4	102	0.02
26 T	Hexane	0.976	0.904	7.4	102	0.02
27 T	Carbon Disulfide	1.238	1.163	6.1	99	0.03
28 T	Methyl tert-Butyl Ether	0.883	0.750	15.1	88	0.03
29 T	Chloroform	1.654	1.497	9.5	99	0.03
30 T	Cyclohexane	0.840	0.788	6.2	102	0.02
31 T	cis-1,2-Dichloroethene	0.966	0.947	2.0	100	0.03
32 T	1,1,1-Trichloroethane	1.543	1.509	2.2	101	0.02
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.02
34 T	2-Butanone	0.509	0.497	2.4	98	0.03
35 T	Carbon Tetrachloride	0.614	0.616	-0.3	101	0.02
36 T	Benzene	0.812	0.755	7.0	101	0.02
37 T	1,2-Dichloroethane	0.479	0.452	5.6	100	0.02
38 T	Trichloroethene	0.315	0.279	11.4	99	0.02
39 T	1,2-Dichloropropane	0.322	0.295	8.4	100	0.02
40 T	1,4-Dioxane	0.128	0.110	14.1	103	0.02
41 T	Tetrahydrofuran	0.314	0.314	0.0	103	0.02
42 T	Bromodichloromethane	0.685	0.650	5.1	99	0.02
43	Methyl Methacrylate	0.309	0.317	-2.6	103	0.02
44 T	2,2,4-Trimethylpentane	1.348	1.232	8.6	100	0.02
45 T	t-1,3-Dichloropropene	0.182	0.203	-11.5	103	0.02
46 T	cis-1,3-Dichloropropene	0.236	0.248	-5.1	100	0.02
47 T	1,1,2-Trichloroethane	0.337	0.310	8.0	100	0.02
48 T	Dibromochloromethane	0.559	0.555	0.7	100	0.01

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.421	0.439	-4.3	102	0.02
50 T	4-Methyl-2-Pentanone	0.788	0.779	1.1	101	0.02
51 T	2-Hexanone	0.556	0.565	-1.6	99	0.02
52 T	Tetrachloroethene	0.273	0.258	5.5	101	0.01
53 T	Toluene	0.893	0.852	4.6	100	0.02
54 T	1,2-Dibromoethane	0.434	0.433	0.2	101	0.02
55 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.01
56	1,1,1,2-Tetrachloroethane	0.428	0.392	8.4	101	0.02
57 T	Chlorobenzene	0.741	0.658	11.2	101	0.02
58 T	Ethyl Benzene	1.305	1.161	11.0	100	0.01
59 T	m/p-Xylene	1.111	0.974	12.3	100	0.01
60 T	o-Xylene	1.058	0.920	13.0	100	0.01
61 T	Styrene	0.510	0.490	3.9	102	0.01
62	Isopropylbenzene	1.563	1.350	13.6	100	0.01
63 T	1,1,2,2-Tetrachloroethane	0.750	0.664	11.5	100	0.01
64	n-propylbenzene	0.392	0.350	10.7	99	0.00
65	tert-Butylbenzene	1.318	1.166	11.5	100	0.02
66 T	Benzyl Chloride	0.049	0.048#	2.0	102	0.00
67	sec-Butylbenzene	1.882	1.639	12.9	100	0.00
68 S	1-Bromo-4-Fluorobenzene	0.783	0.759	3.1	101	0.02
69	p-Isopropyltoluene	1.501	1.331	11.3	100	0.01
70	n-Butylbenzene	1.585	1.401	11.6	101	0.01
71	2-Chlorotoluene	1.191	1.045	12.3	100	0.01
72 T	4-Ethyltoluene	1.163	1.055	9.3	99	0.01
73 T	1,3,5-Trimethylbenzene	1.028	0.915	11.0	100	0.00
74 T	1,2,4-Trimethylbenzene	1.148	0.990	13.8	100	0.01
75 T	1,3-Dichlorobenzene	0.634	0.563	11.2	101	0.01
76 T	1,4-Dichlorobenzene	0.607	0.551	9.2	100	0.01
77 T	1,2-Dichlorobenzene	0.616	0.547	11.2	103	0.02
78 T	Hexachloro-1,3-Butadiene	0.386	0.311	19.4	102	0.01
79 T	Naphthalene	0.590	0.697	-18.1	109	0.02
80 T	Naphthalene,2-methyl-	0.104	0.150	-44.2#	134	0.00
81 T	1,2,4-Trichlorobenzene	0.359	0.355	1.1	106	0.02

(#) = Out of Range

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