

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042253.D
 Acq On : 08 Apr 2025 08:39
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Apr 09 01:50:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 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	103	0.02
2 T	Dichlorodifluoromethane	1.476	1.419	3.9	104	0.00
3	Chlorodifluoromethane	1.508	1.506	0.1	107	0.00
4	Chloromethane	0.603	0.587	2.7	106	0.00
5 T	Vinyl Chloride	0.639	0.552	13.6	104	0.00
6 T	Bromomethane	0.273	0.248	9.2	100	0.00
7	Chloroethane	0.242	0.223	7.9	101	0.00
8 T	Dichlorotetrafluoroethane	1.257	1.201	4.5	102	0.00
9 T	Propene	0.691	0.560	19.0	88	0.00
10 T	Heptane	1.839	1.736	5.6	100	0.04
11 T	Trichlorofluoromethane	1.437	1.367	4.9	105	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.181	1.059	10.3	97	0.01
13	Ethanol	0.065	0.031#	52.3#	111	0.00
14 T	Bromoethene	0.452	0.382	15.5	94	0.01
15 T	Acetone	1.399	1.213	13.3	112	0.00
16 T	1,3-Butadiene	0.683	0.590	13.6	106	0.00
17	tert-Butyl alcohol	1.742	1.370	21.4	87	0.01
18 T	1,1-Dichloroethene	0.552	0.464	15.9	95	0.01
19 T	Isopropyl Alcohol	0.789	0.683	13.4	100	0.00
20 T	Methylene Chloride	0.521	0.408	21.7	96	0.01
21 T	Allyl Chloride	0.986	0.847	14.1	97	0.02
22 T	trans-1,2-Dichloroethene	0.638	0.551	13.6	96	0.02
23 T	Vinyl Acetate	0.605	0.503	16.9	104	0.02
24 T	1,1-Dichloroethane	1.183	1.114	5.8	102	0.02
25 T	Ethyl Acetate	3.630	3.522	3.0	105	0.02
26 T	Hexane	1.402	1.336	4.7	103	0.02
27 T	Carbon Disulfide	1.503	1.317	12.4	95	0.01
28 T	Methyl tert-Butyl Ether	0.873	0.705	19.2	87	0.02
29 T	Chloroform	2.052	2.115	-3.1	113	0.02
30 T	Cyclohexane	1.217	1.075	11.7	95	0.03
31 T	cis-1,2-Dichloroethene	1.423	1.295	9.0	97	0.02
32 T	1,1,1-Trichloroethane	2.349	2.094	10.9	105	0.02
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	91	0.03
34 T	2-Butanone	0.725	0.757	-4.4	103	0.02
35 T	Carbon Tetrachloride	0.781	0.854	-9.3	111	0.03
36 T	Benzene	0.991	1.038	-4.7	101	0.03
37 T	1,2-Dichloroethane	0.568	0.631	-11.1	107	0.02
38 T	Trichloroethene	0.414	0.415	-0.2	101	0.03
39 T	1,2-Dichloropropane	0.361	0.379	-5.0	103	0.03
40 T	1,4-Dioxane	0.192	0.180	6.3	97	0.04
41 T	Tetrahydrofuran	0.418	0.421	-0.7	96	0.02
42 T	Bromodichloromethane	0.782	0.879	-12.4	104	0.03
43	Methyl Methacrylate	0.420	0.390	7.1	88	0.04
44 T	2,2,4-Trimethylpentane	1.675	1.790	-6.9	101	0.03
45 T	t-1,3-Dichloropropene	0.450	0.373	17.1	77	0.05
46 T	cis-1,3-Dichloropropene	0.552	0.490	11.2	81	0.04
47 T	1,1,2-Trichloroethane	0.382	0.420	-9.9	105	0.04
48 T	Dibromochloromethane	0.647	0.697	-7.7	100	0.04

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.581	0.604	-4.0	94	0.03
50 T	4-Methyl-2-Pentanone	1.149	1.094	4.8	97	0.04
51 T	2-Hexanone	0.944	0.874	7.4	94	0.03
52 T	Tetrachloroethene	0.393	0.348	11.5	93	0.03
53 T	Toluene	1.175	1.158	1.4	94	0.04
54 T	1,2-Dibromoethane	0.532	0.567	-6.6	102	0.03
55 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.03
56	1,1,1,2-Tetrachloroethane	0.550	0.641	-16.5	108	0.03
57 T	Chlorobenzene	0.949	1.082	-14.0	106	0.03
58 T	Ethyl Benzene	1.776	1.861	-4.8	96	0.03
59 T	m/p-Xylene	1.418	1.579	-11.4	103	0.02
60 T	o-Xylene	1.422	1.558	-9.6	101	0.02
61 T	Styrene	0.703	0.701	0.3	88	0.03
62	Isopropylbenzene	2.126	2.336	-9.9	102	0.02
63 T	1,1,2,2-Tetrachloroethane	0.864	1.031	-19.3	112	0.02
64	n-propylbenzene	0.547	0.626	-14.4	108	0.02
65	tert-Butylbenzene	1.966	2.115	-7.6	105	0.02
66 T	Benzyl Chloride	0.209	0.146	30.1#	62	0.02
67	sec-Butylbenzene	2.733	3.005	-10.0	108	0.02
68 S	1-Bromo-4-Fluorobenzene	0.821	0.820	0.1	87	0.02
69	p-Isopropyltoluene	2.354	2.561	-8.8	106	0.02
70	n-Butylbenzene	2.407	2.672	-11.0	108	0.02
71	2-Chlorotoluene	1.650	1.805	-9.4	101	0.02
72 T	4-Ethyltoluene	1.770	1.981	-11.9	105	0.02
73 T	1,3,5-Trimethylbenzene	1.546	1.713	-10.8	106	0.02
74 T	1,2,4-Trimethylbenzene	1.781	1.899	-6.6	108	0.02
75 T	1,3-Dichlorobenzene	0.977	1.132	-15.9	110	0.02
76 T	1,4-Dichlorobenzene	0.972	1.131	-16.4	110	0.02
77 T	1,2-Dichlorobenzene	0.951	1.126	-18.4	114	0.02
78 T	Hexachloro-1,3-Butadiene	0.968	0.893	7.7	96	0.02
79 T	Naphthalene	1.948	2.164	-11.1	103	0.02
80 T	Naphthalene,2-methyl-	0.955	1.025	-7.3	89	0.02
81 T	1,2,4-Trichlorobenzene	0.899	0.952	-5.9	95	0.02

(#) = Out of Range

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