

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041022.D
 Acq On : 24 Jan 2024 18:53
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Jan 25 03:22:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 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	94	0.01
2 T	Dichlorodifluoromethane	2.209	2.062	6.7	99	0.02
3	Chlorodifluoromethane	1.682	1.581	6.0	100	0.02
4	Chloromethane	0.630	0.593	5.9	100	0.02
5 T	Vinyl Chloride	0.618	0.628	-1.6	99	0.02
6 T	Bromomethane	0.269	0.176	34.6#	67	0.02
7	Chloroethane	0.223	0.213	4.5	99	0.02
8 T	Dichlorotetrafluoroethane	1.650	1.560	5.5	100	0.02
9 T	Propene	0.552	0.509	7.8	98	0.02
10 T	Heptane	1.358	1.310	3.5	96	0.01
11 T	Trichlorofluoromethane	1.780	1.696	4.7	99	0.02
12 T	1,1,2-Trichlorotrifluoroeth	1.290	1.219	5.5	99	0.01
13	Ethanol	0.131	0.091	30.5#	78	0.02
14 T	Bromoethene	0.495	0.477	3.6	96	0.02
15 T	Acetone	1.279	1.153	9.9	103	0.02
16 T	1,3-Butadiene	0.612	0.600	2.0	99	0.02
17	tert-Butyl alcohol	1.049	0.975	7.1	87	0.02
18 T	1,1-Dichloroethene	0.552	0.521	5.6	97	0.02
19 T	Isopropyl Alcohol	0.740	0.702	5.1	95	0.02
20 T	Methylene Chloride	0.492	0.427	13.2	97	0.02
21 T	Allyl Chloride	0.777	0.684	12.0	89	0.02
22 T	trans-1,2-Dichloroethene	0.569	0.554	2.6	99	0.01
23 T	Vinyl Acetate	1.318	1.231	6.6	93	0.02
24 T	1,1-Dichloroethane	1.169	1.094	6.4	96	0.02
25 T	Ethyl Acetate	2.319	2.168	6.5	95	0.02
26 T	Hexane	0.988	0.923	6.6	95	0.02
27 T	Carbon Disulfide	1.286	1.314	-2.2	97	0.01
28 T	Methyl tert-Butyl Ether	0.820	0.722	12.0	89	0.02
29 T	Chloroform	1.753	1.645	6.2	97	0.01
30 T	Cyclohexane	0.828	0.806	2.7	96	0.01
31 T	cis-1,2-Dichloroethene	0.928	0.959	-3.3	106	0.02
32 T	1,1,1-Trichloroethane	1.675	1.620	3.3	95	0.01
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.01
34 T	2-Butanone	0.476	0.483	-1.5	96	0.02
35 T	Carbon Tetrachloride	0.667	0.696	-4.3	95	0.02
36 T	Benzene	0.826	0.821	0.6	94	0.02
37 T	1,2-Dichloroethane	0.504	0.510	-1.2	96	0.01
38 T	Trichloroethene	0.331	0.325	1.8	94	0.01
39 T	1,2-Dichloropropane	0.325	0.319	1.8	94	0.01
40 T	1,4-Dioxane	0.135	0.129	4.4	90	0.02
41 T	Tetrahydrofuran	0.323	0.326	-0.9	90	0.02
42 T	Bromodichloromethane	0.721	0.746	-3.5	96	0.02
43	Methyl Methacrylate	0.319	0.336	-5.3	93	0.02
44 T	2,2,4-Trimethylpentane	1.390	1.383	0.5	96	0.01
45 T	t-1,3-Dichloropropene	0.218	0.146	33.0#	55	0.01
46 T	cis-1,3-Dichloropropene	0.272	0.201	26.1	64	0.02
47 T	1,1,2-Trichloroethane	0.351	0.350	0.3	94	0.01
48 T	Dibromochloromethane	0.593	0.627	-5.7	96	0.02

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.465	0.508	-9.2	94	0.00
50 T	4-Methyl-2-Pentanone	0.839	0.897	-6.9	96	0.01
51 T	2-Hexanone	0.605	0.643	-6.3	94	0.02
52 T	Tetrachloroethene	0.274	0.274	0.0	91	0.01
53 T	Toluene	0.905	0.941	-4.0	94	0.01
54 T	1,2-Dibromoethane	0.475	0.453	4.6	84	0.01
55 I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.01
56	1,1,1,2-Tetrachloroethane	0.480	0.486	-1.3	96	0.01
57 T	Chlorobenzene	0.804	0.781	2.9	94	0.01
58 T	Ethyl Benzene	1.343	1.373	-2.2	95	0.01
59 T	m/p-Xylene	1.171	1.190	-1.6	96	0.00
60 T	o-Xylene	1.123	1.151	-2.5	97	0.01
61 T	Styrene	0.516	0.558	-8.1	91	0.01
62	Isopropylbenzene	1.661	1.665	-0.2	97	0.00
63 T	1,1,2,2-Tetrachloroethane	0.873	0.866	0.8	99	0.01
64	n-propylbenzene	0.420	0.431	-2.6	97	0.02
65	tert-Butylbenzene	1.451	1.461	-0.7	96	0.01
66 T	Benzyl Chloride	0.095	0.051	46.3#	46	0.01
67	sec-Butylbenzene	2.113	2.082	1.5	97	0.00
68 S	1-Bromo-4-Fluorobenzene	0.755	0.806	-6.8	95	0.01
69	p-Isopropyltoluene	1.637	1.639	-0.1	93	0.00
70	n-Butylbenzene	1.769	1.779	-0.6	96	0.01
71	2-Chlorotoluene	1.282	1.284	-0.2	94	0.01
72 T	4-Ethyltoluene	1.255	1.298	-3.4	95	0.00
73 T	1,3,5-Trimethylbenzene	1.113	1.135	-2.0	96	0.00
74 T	1,2,4-Trimethylbenzene	1.262	1.249	1.0	95	0.00
75 T	1,3-Dichlorobenzene	0.718	0.697	2.9	93	0.00
76 T	1,4-Dichlorobenzene	0.709	0.668	5.8	91	0.01
77 T	1,2-Dichlorobenzene	0.714	0.680	4.8	93	0.01
78 T	Hexachloro-1,3-Butadiene	0.460	0.384	16.5	92	0.01
79 T	Naphthalene	0.720	0.829	-15.1	85	0.01
80 T	Naphthalene,2-methyl-	0.126	0.133	-5.6	75	0.01
81 T	1,2,4-Trichlorobenzene	0.420	0.408	2.9	86	0.02

(#) = Out of Range

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