

Data Path : W:\HPCHEM1\MSVOA L\Data\VL122017\
 Data File : VL031264.D
 Acq On : 20 Dec 2017 9:38
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Dec 22 03:48:17 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 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	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	122	0.00
2 T	Dichlorodifluoromethane	0.845	0.721	14.7	111	0.00
3	Chlorodifluoromethane	1.137	1.237	-8.8	123	0.00
4	Chloromethane	0.614	0.601	2.1	110	0.00
5 T	Vinyl Chloride	0.635	0.594	6.5	112	0.00
6 T	Bromomethane	0.376	0.399	-6.1	122	0.00
7	Chloroethane	0.235	0.234	0.4	113	0.00
8 T	Dichlorotetrafluoroethane	1.173	1.082	7.8	109	0.00
9 T	Propene	0.558	0.548	1.8	110	0.00
10 T	Heptane	1.699	1.590	6.4	112	0.00
11 T	Trichlorofluoromethane	1.388	1.537	-10.7	128	0.00
12 T	1,1,2-Trichlorotrifluoroeth	0.973	0.952	2.2	121	0.00
13	Ethanol	0.161	0.132	18.0	117	0.00
14 T	Bromoethene	0.418	0.454	-8.6	124	0.00
15 T	Acetone	1.320	1.130	14.4	115	0.00
16 T	1,3-Butadiene	0.568	0.520	8.5	102	0.00
17	tert-Butyl alcohol	0.741	0.596	19.6	90	0.00
18 T	1,1-Dichloroethene	0.436	0.454	-4.1	121	0.00
19 T	Isopropyl Alcohol	0.835	0.782	6.3	107	0.00
20 T	Methylene Chloride	0.437	0.425	2.7	119	0.00
21 T	Allyl Chloride	0.776	0.734	5.4	106	0.00
22 T	trans-1,2-Dichloroethene	0.536	0.513	4.3	113	0.00
23 T	Vinyl Acetate	2.126	1.798	15.4	109	0.00
24 T	1,1-Dichloroethane	1.544	1.475	4.5	116	0.00
25 T	Ethyl Acetate	2.696	2.428	9.9	110	0.00
26 T	Hexane	1.279	1.172	8.4	114	0.00
27 T	Carbon Disulfide	1.281	1.229	4.1	111	0.00
28 T	Methyl tert-Butyl Ether	1.672	1.427	14.7	103	0.00
29 T	Chloroform	1.727	1.739	-0.7	126	0.00
30 T	Cyclohexane	1.126	1.000	11.2	122	0.00
31 T	cis-1,2-Dichloroethene	1.160	1.115	3.9	114	0.00
32 T	1,1,1-Trichloroethane	1.846	1.774	3.9	123	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	135	0.00
34 T	2-Butanone	0.706	0.650	7.9	112	0.00
35 T	Carbon Tetrachloride	0.716	0.714	0.3	135	0.00
36 T	Benzene	1.060	0.944	10.9	121	0.00
37 T	1,2-Dichloroethane	0.585	0.571	2.4	131	0.00
38 T	Trichloroethene	0.413	0.357	13.6	120	0.00
39 T	1,2-Dichloropropane	0.375	0.343	8.5	118	0.00
40 T	1,4-Dioxane	0.135	0.143	-5.9	127	0.00
41 T	Tetrahydrofuran	0.397	0.369	7.1	114	0.00
42 T	Bromodichloromethane	0.689	0.722	-4.8	124	0.00
43	Methyl Methacrylate	0.355	0.352	0.8	118	0.00
44 T	2,2,4-Trimethylpentane	1.601	1.419	11.4	112	0.00
45 T	t-1,3-Dichloropropene	0.485	0.470	3.1	109	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46 T	cis-1,3-Dichloropropene	0.611	0.598	2.1	115	0.00
47 T	1,1,2-Trichloroethane	0.389	0.381	2.1	119	0.00
48 T	Dibromochloromethane	0.607	0.634	-4.4	123	0.00
49 T	Bromoform	0.448	0.453	-1.1	111	0.00
50 T	4-Methyl-2-Pentanone	0.864	0.829	4.1	116	0.00
51 T	2-Hexanone	0.825	0.821	0.5	119	0.00
52 T	Tetrachloroethene	0.391	0.321	17.9	109	0.00
53 T	Toluene	1.150	1.079	6.2	116	0.00
54 T	1,2-Dibromoethane	0.589	0.575	2.4	118	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	120	0.00
56	1,1,1,2-Tetrachloroethane	0.446	0.411	7.8	120	0.00
57 T	Chlorobenzene	0.932	0.806	13.5	116	0.00
58 T	Ethyl Benzene	1.651	1.404	15.0	112	0.00
59 T	m/p-Xylene	1.322	1.129	14.6	114	0.00
60 T	o-Xylene	1.332	1.127	15.4	113	0.00
61 T	Styrene	0.382	0.329	13.9	107	0.00
62	Isopropylbenzene	1.747	1.468	16.0	111	0.00
63 T	1,1,2,2-Tetrachloroethane	0.893	0.727	18.6	114	0.00
64	n-propylbenzene	0.464	0.393	15.3	111	0.00
65	tert-Butylbenzene	1.547	1.265	18.2	115	0.00
66 T	Benzyl Chloride	0.167	0.112	32.9#	73	0.00
67	sec-Butylbenzene	2.128	1.760	17.3	113	0.00
68 S	1-Bromo-4-Fluorobenzene	0.711	0.722	-1.5	125	0.00
69	p-Isopropyltoluene	1.775	1.459	17.8	113	0.00
70	n-Butylbenzene	1.711	1.459	14.7	116	0.00
71	2-Chlorotoluene	1.297	1.125	13.3	114	0.00
72 T	4-Ethyltoluene	1.459	1.231	15.6	111	0.00
73 T	1,3,5-Trimethylbenzene	1.299	1.090	16.1	111	0.00
74 T	1,2,4-Trimethylbenzene	1.367	1.123	17.8	114	0.00
75 T	1,3-Dichlorobenzene	0.866	0.710	18.0	111	0.00
76 T	1,4-Dichlorobenzene	0.876	0.721	17.7	109	0.00
77 T	1,2-Dichlorobenzene	0.846	0.696	17.7	111	0.00
78 T	Hexachloro-1,3-Butadiene	0.194	0.319	-64.4#	230#	0.00
79 T	Naphthalene	1.106	0.911	17.6	108	0.00
80 T	Naphthalene,2-methyl-	0.412	0.395	4.1	108	0.00
81 T	1,2,4-Trichlorobenzene	0.515	0.434	15.7	112	0.00

(#) = Out of Range

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