

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL070518\
 Data File : VL032203.D
 Acq On : 5 Jul 2018 12:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Jul 16 18:04:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 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	121	-0.02
2 T	Dichlorodifluoromethane	1.317	1.075	18.4	131	0.00
3	Chlorodifluoromethane	1.222	1.010	17.3	110	0.00
4	Chloromethane	0.652	0.579	11.2	114	-0.01
5 T	Vinyl Chloride	0.659	0.560	15.0	113	0.00
6 T	Bromomethane	0.375	0.325	13.3	112	0.00
7	Chloroethane	0.233	0.206	11.6	116	0.00
8 T	Dichlorotetrafluoroethane	1.469	1.219	17.0	113	0.00
9 T	Propene	0.569	0.482	15.3	109	0.00
10 T	Heptane	1.660	1.702	-2.5	127	-0.02
11 T	Trichlorofluoromethane	1.425	1.205	15.4	109	-0.01
12 T	1,1,2-Trichlorotrifluoroeth	0.949	0.801	15.6	114	-0.01
13	Ethanol	0.173	0.130	24.9	114	-0.01
14 T	Bromoethene	0.451	0.368	18.4	104	-0.01
15 T	Acetone	1.169	0.919	21.4	106	0.00
16 T	1,3-Butadiene	0.558	0.587	-5.2	130	0.00
17	tert-Butyl alcohol	0.745	0.776	-4.2	129	0.00
18 T	1,1-Dichloroethene	0.454	0.371	18.3	105	-0.01
19 T	Isopropyl Alcohol	0.972	0.778	20.0	101	-0.01
20 T	Methylene Chloride	0.427	0.319	25.3	105	-0.01
21 T	Allyl Chloride	0.798	0.667	16.4	105	-0.01
22 T	trans-1,2-Dichloroethene	0.474	0.535	-12.9	155#	-0.01
23 T	Vinyl Acetate	2.120	2.033	4.1	123	-0.02
24 T	1,1-Dichloroethane	1.358	1.570	-15.6	153#	-0.01
25 T	Ethyl Acetate	2.419	2.226	8.0	123	-0.02
26 T	Hexane	1.114	1.006	9.7	123	-0.02
27 T	Carbon Disulfide	1.107	0.970	12.4	107	-0.01
28 T	Methyl tert-Butyl Ether	1.969	2.183	-10.9	144	-0.01
29 T	Chloroform	1.622	1.532	5.5	124	-0.02
30 T	Cyclohexane	1.050	1.091	-3.9	144	-0.02
31 T	cis-1,2-Dichloroethene	1.113	1.066	4.2	125	-0.02
32 T	1,1,1-Trichloroethane	1.700	1.821	-7.1	145	-0.02
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	130	-0.02
34 T	2-Butanone	0.635	0.568	10.6	122	-0.01
35 T	Carbon Tetrachloride	0.685	0.650	5.1	140	-0.02
36 T	Benzene	0.968	0.920	5.0	139	-0.02
37 T	1,2-Dichloroethane	0.482	0.517	-7.3	150#	-0.02
38 T	Trichloroethene	0.378	0.303	19.8	112	-0.02
39 T	1,2-Dichloropropane	0.382	0.374	2.1	135	-0.02
40 T	1,4-Dioxane	0.150	0.132	12.0	116	-0.03
41 T	Tetrahydrofuran	0.380	0.389	-2.4	139	-0.02
42 T	Bromodichloromethane	0.756	0.709	6.2	121	-0.02
43	Methyl Methacrylate	0.401	0.389	3.0	125	-0.02
44 T	2,2,4-Trimethylpentane	1.694	1.544	8.9	124	-0.02
45 T	t-1,3-Dichloropropene	0.497	0.508	-2.2	125	-0.02

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46 T	cis-1,3-Dichloropropene	0.594	0.593	0.2	131	-0.02
47 T	1,1,2-Trichloroethane	0.397	0.367	7.6	125	-0.02
48 T	Dibromochloromethane	0.614	0.584	4.9	120	-0.02
49 T	Bromoform	0.514	0.482	6.2	118	-0.02
50 T	4-Methyl-2-Pentanone	1.040	0.956	8.1	128	-0.02
51 T	2-Hexanone	0.862	0.858	0.5	133	-0.02
52 T	Tetrachloroethene	0.352	0.286	18.8	120	-0.02
53 T	Toluene	1.170	1.097	6.2	127	-0.02
54 T	1,2-Dibromoethane	0.596	0.564	5.4	126	-0.02
55 I	Chlorobenzene-d5	1.000	1.000	0.0	121	-0.02
56	1,1,1,2-Tetrachloroethane	0.446	0.431	3.4	133	-0.02
57 T	Chlorobenzene	0.866	0.799	7.7	130	-0.02
58 T	Ethyl Benzene	1.612	1.532	5.0	135	-0.02
59 T	m/p-Xylene	1.292	1.218	5.7	137	-0.02
60 T	o-Xylene	1.288	1.169	9.2	133	-0.02
61 T	Styrene	1.056	1.001	5.2	128	-0.02
62	Isopropylbenzene	1.981	1.697	14.3	129	-0.02
63 T	1,1,2,2-Tetrachloroethane	0.998	0.824	17.4	133	-0.02
64	n-propylbenzene	0.513	0.439	14.4	130	-0.02
65	tert-Butylbenzene	1.741	1.385	20.4	127	-0.02
66 T	Benzyl Chloride	1.075	0.928	13.7	113	-0.02
67	sec-Butylbenzene	2.549	2.062	19.1	129	-0.02
68 S	1-Bromo-4-Fluorobenzene	0.764	0.758	0.8	128	-0.02
69	p-Isopropyltoluene	2.045	1.648	19.4	125	-0.02
70	n-Butylbenzene	2.135	1.828	14.4	133	-0.02
71	2-Chlorotoluene	1.525	1.355	11.1	137	-0.02
72 T	4-Ethyltoluene	1.664	1.419	14.7	129	-0.02
73 T	1,3,5-Trimethylbenzene	1.568	1.341	14.5	129	-0.02
74 T	1,2,4-Trimethylbenzene	1.582	1.302	17.7	129	-0.02
75 T	1,3-Dichlorobenzene	0.900	0.705	21.7	122	-0.02
76 T	1,4-Dichlorobenzene	0.912	0.730	20.0	120	-0.02
77 T	1,2-Dichlorobenzene	0.899	0.707	21.4	119	-0.02
78 T	Hexachloro-1,3-Butadiene	0.313	0.224	28.4	109	-0.02
79 T	Naphthalene	1.438	1.291	10.2	114	-0.03
80 T	Naphthalene,2-methyl-	0.519	0.745	-43.5#	120	-0.02
81 T	1,2,4-Trichlorobenzene	0.649	0.596	8.2	116	-0.02

(#) = Out of Range

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