

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062918\
 Data File : VL032174.D
 Acq On : 30 Jun 2018 17:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Jul 02 04:30:22 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	110	-0.01
2 T	Dichlorodifluoromethane	1.317	0.948	28.0	104	0.00
3	Chlorodifluoromethane	1.222	1.146	6.2	112	0.00
4	Chloromethane	0.652	0.602	7.7	107	0.00
5 T	Vinyl Chloride	0.659	0.604	8.3	110	0.00
6 T	Bromomethane	0.375	0.353	5.9	110	0.00
7	Chloroethane	0.233	0.239	-2.6	122	0.00
8 T	Dichlorotetrafluoroethane	1.469	1.300	11.5	109	0.00
9 T	Propene	0.569	0.497	12.7	102	0.00
10 T	Heptane	1.660	1.534	7.6	104	-0.01
11 T	Trichlorofluoromethane	1.425	1.339	6.0	110	0.00
12 T	1,1,2-Trichlorotrifluoroeth	0.949	0.860	9.4	111	0.00
13	Ethanol	0.173	0.110	36.4#	87	0.00
14 T	Bromoethene	0.451	0.413	8.4	106	0.00
15 T	Acetone	1.169	1.037	11.3	108	0.00
16 T	1,3-Butadiene	0.558	0.543	2.7	109	0.00
17	tert-Butyl alcohol	0.745	0.583	21.7	88	0.00
18 T	1,1-Dichloroethene	0.454	0.406	10.6	104	0.00
19 T	Isopropyl Alcohol	0.972	0.765	21.3	90	0.00
20 T	Methylene Chloride	0.427	0.366	14.3	109	0.00
21 T	Allyl Chloride	0.798	0.712	10.8	102	0.00
22 T	trans-1,2-Dichloroethene	0.474	0.465	1.9	122	0.00
23 T	Vinyl Acetate	2.120	1.909	10.0	105	-0.01
24 T	1,1-Dichloroethane	1.358	1.272	6.3	112	0.00
25 T	Ethyl Acetate	2.419	2.312	4.4	115	0.00
26 T	Hexane	1.114	1.061	4.8	118	0.00
27 T	Carbon Disulfide	1.107	1.023	7.6	102	0.00
28 T	Methyl tert-Butyl Ether	1.969	1.736	11.8	104	0.00
29 T	Chloroform	1.622	1.622	0.0	119	0.00
30 T	Cyclohexane	1.050	0.954	9.1	114	-0.01
31 T	cis-1,2-Dichloroethene	1.113	1.107	0.5	117	0.00
32 T	1,1,1-Trichloroethane	1.700	1.534	9.8	110	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
34 T	2-Butanone	0.635	0.640	-0.8	106	0.00
35 T	Carbon Tetrachloride	0.685	0.665	2.9	110	-0.01
36 T	Benzene	0.968	0.975	-0.7	114	-0.01
37 T	1,2-Dichloroethane	0.482	0.541	-12.2	122	-0.01
38 T	Trichloroethene	0.378	0.328	13.2	94	0.00
39 T	1,2-Dichloropropane	0.382	0.381	0.3	106	-0.01
40 T	1,4-Dioxane	0.150	0.127	15.3	86	-0.01
41 T	Tetrahydrofuran	0.380	0.395	-3.9	109	0.00
42 T	Bromodichloromethane	0.756	0.759	-0.4	100	-0.01
43	Methyl Methacrylate	0.401	0.419	-4.5	104	0.00
44 T	2,2,4-Trimethylpentane	1.694	1.615	4.7	100	-0.01
45 T	t-1,3-Dichloropropene	0.497	0.507	-2.0	96	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46 T	cis-1,3-Dichloropropene	0.594	0.595	-0.2	102	-0.01
47 T	1,1,2-Trichloroethane	0.397	0.389	2.0	102	0.00
48 T	Dibromochloromethane	0.614	0.588	4.2	94	-0.02
49 T	Bromoform	0.514	0.483	6.0	92	-0.01
50 T	4-Methyl-2-Pentanone	1.040	1.009	3.0	104	-0.01
51 T	2-Hexanone	0.862	0.857	0.6	103	0.00
52 T	Tetrachloroethene	0.352	0.292	17.0	95	-0.01
53 T	Toluene	1.170	1.120	4.3	100	-0.01
54 T	1,2-Dibromoethane	0.596	0.575	3.5	99	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	98	-0.01
56	1,1,1,2-Tetrachloroethane	0.446	0.404	9.4	102	-0.02
57 T	Chlorobenzene	0.866	0.789	8.9	104	0.00
58 T	Ethyl Benzene	1.612	1.499	7.0	107	-0.01
59 T	m/p-Xylene	1.292	1.191	7.8	108	-0.01
60 T	o-Xylene	1.288	1.144	11.2	105	-0.01
61 T	Styrene	1.056	0.950	10.0	99	-0.01
62	Isopropylbenzene	1.981	1.641	17.2	102	-0.02
63 T	1,1,2,2-Tetrachloroethane	0.998	0.811	18.7	106	-0.01
64	n-propylbenzene	0.513	0.429	16.4	103	0.00
65	tert-Butylbenzene	1.741	1.353	22.3	101	-0.01
66 T	Benzyl Chloride	1.075	0.791	26.4	78	-0.01
67	sec-Butylbenzene	2.549	2.042	19.9	104	-0.01
68 S	1-Bromo-4-Fluorobenzene	0.764	0.712	6.8	97	-0.01
69	p-Isopropyltoluene	2.045	1.646	19.5	101	-0.01
70	n-Butylbenzene	2.135	1.814	15.0	107	-0.01
71	2-Chlorotoluene	1.525	1.315	13.8	108	-0.01
72 T	4-Ethyltoluene	1.664	1.416	14.9	104	-0.01
73 T	1,3,5-Trimethylbenzene	1.568	1.332	15.1	104	-0.02
74 T	1,2,4-Trimethylbenzene	1.582	1.301	17.8	105	-0.02
75 T	1,3-Dichlorobenzene	0.900	0.715	20.6	100	-0.01
76 T	1,4-Dichlorobenzene	0.912	0.736	19.3	98	-0.01
77 T	1,2-Dichlorobenzene	0.899	0.721	19.8	99	-0.02
78 T	Hexachloro-1,3-Butadiene	0.313	0.443	-41.5#	175#	-0.02
79 T	Naphthalene	1.438	1.346	6.4	97	-0.02
80 T	Naphthalene,2-methyl-	0.519	0.647	-24.7	84	-0.01
81 T	1,2,4-Trichlorobenzene	0.649	0.594	8.5	94	-0.01

(#) = Out of Range

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