

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091219\
 Data File : VL034168.D
 Acq On : 13 Sep 2019 9:23
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Sep 13 10:06:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019
 QLast Update : Thu Sep 05 10:21:45 2019
 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	101	-0.01
2 T	Dichlorodifluoromethane	1.649	1.093	33.7#	72	0.00
3	Chlorodifluoromethane	1.115	1.141	-2.3	114	0.00
4	Chloromethane	0.697	0.685	1.7	106	0.00
5 T	Vinyl Chloride	0.635	0.596	6.1	105	0.00
6 T	Bromomethane	0.313	0.294	6.1	100	0.00
7	Chloroethane	0.216	0.220	-1.9	109	0.00
8 T	Dichlorotetrafluoroethane	1.328	1.225	7.8	103	0.00
9 T	Propene	0.624	0.567	9.1	99	0.00
10 T	Heptane	1.619	1.481	8.5	101	-0.01
11 T	Trichlorofluoromethane	1.345	1.305	3.0	107	0.00
12 T	1,1,2-Trichlorotrifluoroeth	0.900	0.849	5.7	103	0.00
13	Ethanol	0.122	0.116	4.9	118	0.00
14 T	Bromoethene	0.390	0.375	3.8	103	0.00
15 T	Acetone	1.205	1.129	6.3	109	0.00
16 T	1,3-Butadiene	0.610	0.596	2.3	105	0.00
17	tert-Butyl alcohol	0.875	0.945	-8.0	116	-0.01
18 T	1,1-Dichloroethene	0.411	0.390	5.1	100	0.00
19 T	Isopropyl Alcohol	0.813	0.880	-8.2	125	-0.01
20 T	Methylene Chloride	0.398	0.360	9.5	104	-0.01
21 T	Allyl Chloride	0.795	0.789	0.8	105	-0.01
22 T	trans-1,2-Dichloroethene	0.412	0.389	5.6	101	-0.01
23 T	Vinyl Acetate	2.045	1.994	2.5	104	-0.01
24 T	1,1-Dichloroethane	1.357	1.288	5.1	105	-0.01
25 T	Ethyl Acetate	2.646	2.381	10.0	105	-0.02
26 T	Hexane	1.176	0.999	15.1	103	-0.01
27 T	Carbon Disulfide	1.062	1.090	-2.6	104	0.00
28 T	Methyl tert-Butyl Ether	1.723	1.593	7.5	100	-0.01
29 T	Chloroform	1.586	1.467	7.5	103	-0.02
30 T	Cyclohexane	0.850	0.780	8.2	98	-0.02
31 T	cis-1,2-Dichloroethene	1.126	1.098	2.5	104	-0.01
32 T	1,1,1-Trichloroethane	1.499	1.428	4.7	105	-0.02
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	93	-0.01
34 T	2-Butanone	0.961	0.959	0.2	104	-0.01
35 T	Carbon Tetrachloride	0.780	0.807	-3.5	107	-0.02
36 T	Benzene	1.143	1.056	7.6	95	-0.02
37 T	1,2-Dichloroethane	0.701	0.762	-8.7	112	-0.01
38 T	Trichloroethene	0.427	0.355	16.9	98	-0.01
39 T	1,2-Dichloropropane	0.489	0.479	2.0	101	-0.02
40 T	1,4-Dioxane	0.180	0.167	7.2	111	-0.01
41 T	Tetrahydrofuran	0.576	0.576	0.0	100	-0.02
42 T	Bromodichloromethane	0.914	0.941	-3.0	102	-0.01
43	Methyl Methacrylate	0.471	0.474	-0.6	98	-0.02
44 T	2,2,4-Trimethylpentane	2.107	1.942	7.8	102	-0.01
45 T	t-1,3-Dichloropropene	0.553	0.620	-12.1	98	-0.02

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46 T	cis-1,3-Dichloropropene	0.673	0.696	-3.4	98	-0.01
47 T	1,1,2-Trichloroethane	0.446	0.422	5.4	97	-0.01
48 T	Dibromochloromethane	0.665	0.701	-5.4	102	-0.02
49 T	Bromoform	0.583	0.556	4.6	92	0.00
50 T	4-Methyl-2-Pentanone	1.467	1.397	4.8	103	-0.02
51 T	2-Hexanone	1.267	1.197	5.5	101	-0.01
52 T	Tetrachloroethene	0.403	0.335	16.9	95	-0.01
53 T	Toluene	1.264	1.169	7.5	95	-0.01
54 T	1,2-Dibromoethane	0.664	0.626	5.7	96	-0.01
55 I	Chlorobenzene-d5	1.000	1.000	0.0	88	-0.02
56	1,1,1,2-Tetrachloroethane	0.429	0.426	0.7	100	-0.02
57 T	Chlorobenzene	0.860	0.785	8.7	96	-0.01
58 T	Ethyl Benzene	1.640	1.496	8.8	96	-0.01
59 T	m/p-Xylene	1.338	1.228	8.2	97	0.00
60 T	o-Xylene	1.332	1.204	9.6	97	-0.01
61 T	Styrene	0.997	0.914	8.3	93	-0.01
62	Isopropylbenzene	1.734	1.545	10.9	96	-0.01
63 T	1,1,2,2-Tetrachloroethane	1.086	0.846	22.1	95	0.00
64	n-propylbenzene	0.434	0.399	8.1	94	0.00
65	tert-Butylbenzene	1.496	1.281	14.4	95	-0.02
66 T	Benzyl Chloride	0.552	0.593	-7.4	80	-0.01
67	sec-Butylbenzene	2.151	1.866	13.2	97	-0.01
68 S	1-Bromo-4-Fluorobenzene	0.818	0.843	-3.1	94	-0.02
69	p-Isopropyltoluene	1.721	1.540	10.5	98	-0.01
70	n-Butylbenzene	1.959	1.757	10.3	101	-0.01
71	2-Chlorotoluene	1.416	1.273	10.1	95	-0.02
72 T	4-Ethyltoluene	1.503	1.369	8.9	95	0.00
73 T	1,3,5-Trimethylbenzene	1.461	1.310	10.3	96	-0.01
74 T	1,2,4-Trimethylbenzene	1.504	1.314	12.6	98	-0.01
75 T	1,3-Dichlorobenzene	0.797	0.706	11.4	97	-0.01
76 T	1,4-Dichlorobenzene	0.835	0.751	10.1	98	-0.01
77 T	1,2-Dichlorobenzene	0.816	0.726	11.0	97	-0.01
78 T	Hexachloro-1,3-Butadiene	0.557	0.651	-16.9	132	0.00
79 T	Naphthalene	1.360	1.553	-14.2	118	-0.01
80 T	Naphthalene,2-methyl-	0.472	0.756	-60.2#	96	0.00
81 T	1,2,4-Trichlorobenzene	0.740	0.791	-6.9	114	0.00

(#) = Out of Range

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