

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081219\
 Data File : VL034118.D
 Acq On : 13 Aug 2019 9:33
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Aug 13 10:12:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 05 17:09:48 2019
 QLast Update : Mon Aug 05 17:09:48 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	102	0.00
2 T	Dichlorodifluoromethane	1.231	1.006	18.3	98	0.00
3	Chlorodifluoromethane	1.156	1.063	8.0	104	0.00
4	Chloromethane	0.745	0.667	10.5	99	0.00
5 T	Vinyl Chloride	0.657	0.597	9.1	98	0.00
6 T	Bromomethane	0.339	0.307	9.4	97	0.00
7	Chloroethane	0.246	0.212	13.8	97	0.00
8 T	Dichlorotetrafluoroethane	1.420	1.231	13.3	100	0.00
9 T	Propene	0.682	0.590	13.5	98	0.00
10 T	Heptane	1.763	1.529	13.3	97	0.00
11 T	Trichlorofluoromethane	1.459	1.261	13.6	99	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.030	0.859	16.6	95	0.00
13	Ethanol	0.192	0.115	40.1#	99	0.00
14 T	Bromoethene	0.460	0.375	18.5	90	0.00
15 T	Acetone	1.429	1.099	23.1	97	0.00
16 T	1,3-Butadiene	0.695	0.594	14.5	94	0.00
17	tert-Butyl alcohol	1.333	0.861	35.4#	70	0.00
18 T	1,1-Dichloroethene	0.487	0.401	17.7	93	0.00
19 T	Isopropyl Alcohol	1.113	0.843	24.3	89	0.00
20 T	Methylene Chloride	0.429	0.354	17.5	95	0.00
21 T	Allyl Chloride	0.989	0.805	18.6	90	0.00
22 T	trans-1,2-Dichloroethene	0.473	0.393	16.9	91	0.00
23 T	Vinyl Acetate	2.369	1.979	16.5	94	0.00
24 T	1,1-Dichloroethane	1.410	1.264	10.4	101	0.00
25 T	Ethyl Acetate	2.811	2.324	17.3	95	0.00
26 T	Hexane	1.191	1.002	15.9	97	0.00
27 T	Carbon Disulfide	1.256	1.086	13.5	92	0.00
28 T	Methyl tert-Butyl Ether	1.992	1.576	20.9	89	0.00
29 T	Chloroform	1.620	1.458	10.0	101	0.00
30 T	Cyclohexane	0.941	0.824	12.4	98	0.00
31 T	cis-1,2-Dichloroethene	1.177	1.086	7.7	103	0.00
32 T	1,1,1-Trichloroethane	1.603	1.368	14.7	97	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
34 T	2-Butanone	0.930	0.870	6.5	98	0.00
35 T	Carbon Tetrachloride	0.768	0.686	10.7	94	0.00
36 T	Benzene	1.137	1.050	7.7	98	0.00
37 T	1,2-Dichloroethane	0.611	0.640	-4.7	105	0.00
38 T	Trichloroethene	0.440	0.335	23.9	89	0.00
39 T	1,2-Dichloropropane	0.459	0.452	1.5	101	0.00
40 T	1,4-Dioxane	0.173	0.152	12.1	94	0.00
41 T	Tetrahydrofuran	0.572	0.546	4.5	98	0.00
42 T	Bromodichloromethane	0.857	0.841	1.9	100	0.00
43	Methyl Methacrylate	0.466	0.449	3.6	98	0.00
44 T	2,2,4-Trimethylpentane	2.035	1.811	11.0	98	0.00
45 T	t-1,3-Dichloropropene	0.591	0.573	3.0	93	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46 T	cis-1,3-Dichloropropene	0.682	0.655	4.0	94	0.00
47 T	1,1,2-Trichloroethane	0.438	0.406	7.3	94	0.00
48 T	Dibromochloromethane	0.703	0.645	8.3	91	0.00
49 T	Bromoform	0.629	0.552	12.2	86	0.00
50 T	4-Methyl-2-Pentanone	1.415	1.283	9.3	97	0.00
51 T	2-Hexanone	1.189	1.114	6.3	98	0.00
52 T	Tetrachloroethene	0.439	0.335	23.7	87	0.00
53 T	Toluene	1.312	1.165	11.2	95	0.00
54 T	1,2-Dibromoethane	0.664	0.613	7.7	94	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
56	1,1,1,2-Tetrachloroethane	0.457	0.361	21.0	86	0.00
57 T	Chlorobenzene	0.901	0.710	21.2	89	0.00
58 T	Ethyl Benzene	1.682	1.387	17.5	95	0.00
59 T	m/p-Xylene	1.350	1.097	18.7	95	0.00
60 T	o-Xylene	1.349	1.076	20.2	93	0.00
61 T	Styrene	1.071	0.866	19.1	89	0.00
62	Isopropylbenzene	1.811	1.413	22.0	91	0.00
63 T	1,1,2,2-Tetrachloroethane	0.974	0.793	18.6	98	0.00
64	n-propylbenzene	0.479	0.372	22.3	88	0.00
65	tert-Butylbenzene	1.613	1.182	26.7	87	0.00
66 T	Benzyl Chloride	0.893	0.605	32.3#	66	0.00
67	sec-Butylbenzene	2.276	1.715	24.6	91	0.00
68 S	1-Bromo-4-Fluorobenzene	0.811	0.791	2.5	94	0.00
69	p-Isopropyltoluene	1.878	1.392	25.9	88	0.00
70	n-Butylbenzene	2.025	1.577	22.1	95	0.00
71	2-Chlorotoluene	1.456	1.179	19.0	95	0.00
72 T	4-Ethyltoluene	1.588	1.257	20.8	91	0.00
73 T	1,3,5-Trimethylbenzene	1.527	1.199	21.5	91	0.00
74 T	1,2,4-Trimethylbenzene	1.589	1.187	25.3	90	0.00
75 T	1,3-Dichlorobenzene	0.890	0.669	24.8	87	0.00
76 T	1,4-Dichlorobenzene	0.909	0.696	23.4	88	0.00
77 T	1,2-Dichlorobenzene	0.877	0.670	23.6	88	0.00
78 T	Hexachloro-1,3-Butadiene	0.695	0.537	22.7	97	0.00
79 T	Naphthalene	1.650	1.212	26.5	88	0.00
80 T	Naphthalene,2-methyl-	0.517	0.639	-23.6	153#	0.00
81 T	1,2,4-Trichlorobenzene	0.916	0.648	29.3	85	0.00

(#) = Out of Range

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