

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL010419\
 Data File : VL033085.D
 Acq On : 5 Jan 2019 2:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Jan 05 03:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL010419AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
 QLast Update : Fri Jan 04 16:09:05 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	94	0.00
2 T	Dichlorodifluoromethane	1.861	2.191	-17.7	107	0.00
3	Chlorodifluoromethane	1.132	1.213	-7.2	109	0.00
4	Chloromethane	0.648	0.664	-2.5	113	0.00
5 T	Vinyl Chloride	0.655	0.680	-3.8	111	0.00
6 T	Bromomethane	0.445	0.439	1.3	106	0.00
7	Chloroethane	0.256	0.247	3.5	107	0.00
8 T	Dichlorotetrafluoroethane	1.603	1.699	-6.0	108	0.00
9 T	Propene	0.423	0.493	-16.5	117	0.00
10 T	Heptane	1.204	1.110	7.8	92	0.00
11 T	Trichlorofluoromethane	2.056	1.637	20.4	92	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.300	1.115	14.2	91	0.00
13	Ethanol	0.169	0.129	23.7	116	0.00
14 T	Bromoethene	0.574	0.526	8.4	99	0.00
15 T	Acetone	1.384	1.090	21.2	97	0.00
16 T	1,3-Butadiene	0.522	0.542	-3.8	110	0.00
17	tert-Butyl alcohol	0.293	0.078	73.4#	29	0.00
18 T	1,1-Dichloroethene	0.599	0.510	14.9	93	0.00
19 T	Isopropyl Alcohol	0.953	0.725	23.9	100	0.00
20 T	Methylene Chloride	0.577	0.438	24.1	93	0.00
21 T	Allyl Chloride	0.858	0.792	7.7	93	0.00
22 T	trans-1,2-Dichloroethene	0.594	0.516	13.1	95	0.00
23 T	Vinyl Acetate	1.761	1.563	11.2	92	0.00
24 T	1,1-Dichloroethane	1.495	1.300	13.0	98	0.00
25 T	Ethyl Acetate	2.340	1.998	14.6	93	0.00
26 T	Hexane	1.102	0.927	15.9	93	0.00
27 T	Carbon Disulfide	1.359	1.252	7.9	91	0.00
28 T	Methyl tert-Butyl Ether	1.720	1.360	20.9	85	0.00
29 T	Chloroform	1.877	1.556	17.1	90	0.00
30 T	Cyclohexane	0.821	0.811	1.2	97	0.00
31 T	cis-1,2-Dichloroethene	1.023	0.961	6.1	98	0.00
32 T	1,1,1-Trichloroethane	1.905	1.662	12.8	94	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
34 T	2-Butanone	0.581	0.521	10.3	99	0.00
35 T	Carbon Tetrachloride	0.859	0.696	19.0	90	0.00
36 T	Benzene	0.819	0.740	9.6	95	0.00
37 T	1,2-Dichloroethane	0.572	0.478	16.4	90	0.00
38 T	Trichloroethene	0.337	0.306	9.2	93	0.00
39 T	1,2-Dichloropropane	0.308	0.275	10.7	95	0.00
40 T	1,4-Dioxane	0.117	0.104	11.1	101	0.00
41 T	Tetrahydrofuran	0.296	0.283	4.4	97	0.00
42 T	Bromodichloromethane	0.786	0.676	14.0	93	0.00
43	Methyl Methacrylate	0.307	0.298	2.9	94	0.00
44 T	2,2,4-Trimethylpentane	1.387	1.248	10.0	95	0.00
45 T	t-1,3-Dichloropropene	0.383	0.365	4.7	82	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46 T	cis-1,3-Dichloropropene	0.437	0.444	-1.6	89	0.00
47 T	1,1,2-Trichloroethane	0.360	0.307	14.7	91	0.00
48 T	Dibromochloromethane	0.635	0.585	7.9	91	0.00
49 T	Bromoform	0.555	0.498	10.3	90	0.00
50 T	4-Methyl-2-Pentanone	0.736	0.717	2.6	95	0.00
51 T	2-Hexanone	0.533	0.557	-4.5	96	0.00
52 T	Tetrachloroethene	0.290	0.257	11.4	88	0.00
53 T	Toluene	0.878	0.843	4.0	90	0.00
54 T	1,2-Dibromoethane	0.518	0.478	7.7	90	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
56	1,1,1,2-Tetrachloroethane	0.517	0.428	17.2	93	0.00
57 T	Chlorobenzene	0.835	0.665	20.4	89	0.00
58 T	Ethyl Benzene	1.263	1.159	8.2	89	0.00
59 T	m/p-Xylene	1.168	0.949	18.8	85	0.03
60 T	o-Xylene	1.143	0.946	17.2	86	0.00
61 T	Styrene	0.730	0.642	12.1	80	0.00
62	Isopropylbenzene	1.627	1.380	15.2	90	0.00
63 T	1,1,2,2-Tetrachloroethane	0.849	0.688	19.0	92	0.00
64	n-propylbenzene	0.413	0.350	15.3	89	0.00
65	tert-Butylbenzene	1.441	1.243	13.7	91	0.00
66 T	Benzyl Chloride	0.822	0.584	29.0	70	0.00
67	sec-Butylbenzene	2.063	1.715	16.9	88	0.00
68 S	1-Bromo-4-Fluorobenzene	0.767	0.739	3.7	95	0.00
69	p-Isopropyltoluene	1.674	1.376	17.8	86	0.00
70	n-Butylbenzene	1.683	1.372	18.5	86	0.00
71	2-Chlorotoluene	1.154	1.012	12.3	88	0.00
72 T	4-Ethyltoluene	1.257	1.083	13.8	86	0.00
73 T	1,3,5-Trimethylbenzene	1.240	1.060	14.5	89	0.00
74 T	1,2,4-Trimethylbenzene	1.373	1.077	21.6	87	0.00
75 T	1,3-Dichlorobenzene	0.808	0.594	26.5	86	0.00
76 T	1,4-Dichlorobenzene	0.736	0.572	22.3	85	0.00
77 T	1,2-Dichlorobenzene	0.728	0.581	20.2	88	0.00
78 T	Hexachloro-1,3-Butadiene	0.559	0.407	27.2	107	0.00
79 T	Naphthalene	1.157	0.810	30.0	69	0.00
80 T	Naphthalene,2-methyl-	0.351	0.196	44.2#	45	0.00
81 T	1,2,4-Trichlorobenzene	0.559	0.398	28.8	73	0.00

(#) = Out of Range

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