

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021319\
 Data File : VX007504.D
 Acq On : 13 Feb 2019 00:49
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX021319

Quant Time: Feb 13 08:18:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 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	0.00
2 M	Dichlorodifluoromethane	1.519	1.577	-3.8	106	0.00
3 M	Chloromethane	1.670	1.867	-11.8	113	0.00
4 M	Vinyl Chloride	1.878	1.980	-5.4	110	0.00
5 M	Bromomethane	1.677	1.667	0.6	116	0.00
6 M	Chloroethane	1.277	1.376	-7.8	117	0.00
7 M	Trichlorofluoromethane	2.944	3.162	-7.4	111	0.00
8 T	Diethyl Ether	1.176	1.250	-6.3	111	0.00
9	1,1,2-Trichlorotrifluoroeth	1.661	1.723	-3.7	109	0.00
10 M	1,1-Dichloroethene	1.648	1.745	-5.9	109	0.00
11	Methyl Iodide	2.369	2.051	13.4	94	0.00
12	Methyl Acetate	2.273	2.294	-0.9	109	0.00
13 M	Acrolein	0.396	0.415	-4.8	115	0.00
14 M	Acrylonitrile	1.047	1.117	-6.7	110	0.00
15 M	Acetone	0.284	0.301	-6.0	109	0.00
16 M	Carbon Disulfide	4.371	4.879	-11.6	119	0.00
17	Allyl chloride	2.824	2.976	-5.4	113	0.00
18 M	Methylene Chloride	1.853	1.917	-3.5	107	0.00
19 M	trans-1,2-Dichloroethene	1.763	1.922	-9.0	115	0.00
20 T	Diisopropyl ether	5.337	5.516	-3.4	107	0.00
21 M	1,1-Dichloroethane	2.992	3.126	-4.5	109	0.00
22 M	cis-1,2-Dichloroethene	1.962	2.060	-5.0	108	0.00
23 M	tert-Butyl Alcohol	0.440	0.507	-15.2	121	0.00
24 M	Methyl tert-Butyl Ether	5.720	6.048	-5.7	111	0.00
25 M	Chloroform	3.160	3.216	-1.8	106	0.00
26	Cyclohexane	2.509	2.619	-4.4	108	0.00
27 s	1,2-Dichloroethane-d4	1.941	1.990	-2.5	104	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
29	1,1-Dichloropropene	0.418	0.426	-1.9	106	0.00
30 M	2-Butanone	0.248	0.267	-7.7	110	0.00
31	2,2-Dichloropropane	0.340	0.327	3.8	101	0.00
32 M	1,1,1-Trichloroethane	0.500	0.510	-2.0	106	0.00
33 M	Carbon Tetrachloride	0.442	0.436	1.4	106	0.00
34 M	Benzene	1.319	1.363	-3.3	107	0.00
35	Methacrylonitrile	0.257	0.272	-5.8	111	0.00
36 M	1,2-Dichloroethane	0.449	0.466	-3.8	108	0.00
37 M	Trichloroethene	0.379	0.396	-4.5	109	0.00
38	Methylcyclohexane	0.484	0.485	-0.2	105	0.00
39 M	1,2-Dichloropropane	0.328	0.340	-3.7	108	0.00
40	Dibromomethane	0.237	0.243	-2.5	105	0.00
41 M	Bromodichloromethane	0.421	0.412	2.1	105	0.00
42 M	Vinyl Acetate	0.867	0.920	-6.1	109	0.00
43	Ethyl Acetate	0.474	0.518	-9.3	112	0.00
44	Isopropyl Acetate	0.732	0.759	-3.7	111	0.00
45 T	1,4-Dioxane	0.009	0.010#	-11.1	114	0.00

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	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.371	0.386	-4.0	110	0.00
47	n-amyl Acetate	0.645	0.669	-3.7	111	0.00
48 M	t-1,3-Dichloropropene	0.434	0.435	-0.2	111	0.00
49 T	cis-1,3-Dichloropropene	0.483	0.489	-1.2	108	0.00
50 M	1,1,2-Trichloroethane	0.346	0.369	-6.6	110	0.00
51	Ethyl methacrylate	0.501	0.518	-3.4	107	0.00
52	1,3-Dichloropropane	0.557	0.587	-5.4	108	0.00
53 M	Dibromochloromethane	0.359	0.362	-0.8	110	0.00
54 M	1,2-Dibromoethane	0.378	0.394	-4.2	108	0.00
55 M	2-Chloroethyl vinyl ether	0.255	0.270	-5.9	111	0.00
56 M	Bromoform	0.271	0.269	0.7	110	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
58 M	4-Methyl-2-Pentanone	0.540	0.584	-8.1	109	0.00
59 M	2-Hexanone	0.410	0.445	-8.5	110	0.00
60 S	4-Bromofluorobenzene	0.460	0.463	-0.7	102	0.00
61 M	Tetrachloroethene	0.426	0.442	-3.8	106	0.00
62 M	Toluene	1.634	1.695	-3.7	107	0.00
63 S	Toluene-d8	1.356	1.340	1.2	99	0.00
64 M	Chlorobenzene	1.062	1.115	-5.0	107	0.00
65	1,1,1,2-Tetrachloroethane	0.385	0.402	-4.4	109	0.00
66 M	Ethyl Benzene	1.734	1.772	-2.2	107	0.00
67 M	m/p-Xylenes	0.680	0.695	-2.2	107	0.00
68 M	o-Xylene	0.663	0.682	-2.9	107	0.00
69 M	Styrene	1.070	1.101	-2.9	108	0.00
70	Isopropylbenzene	1.750	1.805	-3.1	108	0.00
71 M	1,1,2,2-Tetrachloroethane	0.578	0.608	-5.2	107	0.00
72	1,2,3-Trichloropropane	0.529	0.549	-3.8	105	0.00
73	Bromobenzene	0.478	0.504	-5.4	110	0.00
74	n-propylbenzene	1.943	1.986	-2.2	107	0.00
75	2-Chlorotoluene	1.162	1.206	-3.8	108	0.00
76	1,3,5-Trimethylbenzene	1.428	1.451	-1.6	106	0.00
77	t-1,4-Dichloro-2-butene	0.153	0.154	-0.7	114	0.00
78	4-Chlorotoluene	1.326	1.376	-3.8	110	0.00
79	tert-butylbenzene	1.517	1.519	-0.1	105	0.00
80	1,2,4-Trimethylbenzene	1.450	1.492	-2.9	107	0.00
81	sec-Butylbenzene	1.706	1.746	-2.3	107	0.00
82	p-Isopropyltoluene	1.517	1.519	-0.1	105	0.00
83 M	1,3-Dichlorobenzene	0.840	0.861	-2.5	107	0.00
84 M	1,4-Dichlorobenzene	0.838	0.871	-3.9	108	0.00
85	n-Butylbenzene	1.259	1.244	1.2	108	0.00
86 T	Hexachloroethane	0.252	0.244	3.2	105	0.00
87 M	1,2-Dichlorobenzene	0.843	0.872	-3.4	107	0.00
88	1,2-Dibromo-3-Chloropropane	0.121	0.123	-1.7	111	0.00
89	1,2,4-Trichlorobenzene	0.554	0.584	-5.4	114	0.00
90	Hexachlorobutadiene	0.259	0.270	-4.2	111	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.766	1.886	-6.8	113	0.00
92	1,2,3-Trichlorobenzene	0.563	0.592	-5.2	113	0.00

(#) = Out of Range

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