

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX021619\
 Data File : VX007560.D
 Acq On : 15 Feb 2019 11:09
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 16 03:55:39 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	123	0.00
2 M	Dichlorodifluoromethane	1.519	1.574	-3.6	128	0.00
3 M	Chloromethane	1.670	1.632	2.3	119	0.00
4 M	Vinyl Chloride	1.878	1.802	4.0	121	0.00
5 M	Bromomethane	1.677	1.708	-1.8	143	0.00
6 M	Chloroethane	1.277	1.178	7.8	121	0.00
7 M	Trichlorofluoromethane	2.944	2.963	-0.6	126	0.00
8 T	Diethyl Ether	1.176	1.107	5.9	119	0.00
9	1,1,2-Trichlorotrifluoroeth	1.661	1.728	-4.0	132	0.00
10 M	1,1-Dichloroethene	1.648	1.600	2.9	121	0.00
11	Methyl Iodide	2.369	1.915	19.2	106	0.00
12	Methyl Acetate	2.273	1.999	12.1	115	0.00
13 M	Acrolein	0.396	0.737	-86.1#	248#	0.00
14 M	Acrylonitrile	1.047	0.966	7.7	115	0.00
15 M	Acetone	0.284	0.323	-13.7	141	0.00
16 M	Carbon Disulfide	4.371	4.261	2.5	125	0.00
17	Allyl chloride	2.824	2.759	2.3	126	0.00
18 M	Methylene Chloride	1.853	1.744	5.9	118	0.00
19 M	trans-1,2-Dichloroethene	1.763	1.682	4.6	122	0.00
20 T	Diisopropyl ether	5.337	5.123	4.0	120	0.00
21 M	1,1-Dichloroethane	2.992	2.989	0.1	125	0.00
22 M	cis-1,2-Dichloroethene	1.962	1.934	1.4	122	0.00
23 M	tert-Butyl Alcohol	0.440	0.411	6.6	118	0.00
24 M	Methyl tert-Butyl Ether	5.720	5.351	6.5	118	0.00
25 M	Chloroform	3.160	3.035	4.0	121	0.00
26	Cyclohexane	2.509	2.572	-2.5	128	0.00
27 s	1,2-Dichloroethane-d4	1.941	1.923	0.9	121	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	123	0.00
29	1,1-Dichloropropene	0.418	0.418	0.0	125	0.00
30 M	2-Butanone	0.248	0.254	-2.4	126	0.00
31	2,2-Dichloropropane	0.340	0.417	-22.6	155#	0.00
32 M	1,1,1-Trichloroethane	0.500	0.487	2.6	122	0.00
33 M	Carbon Tetrachloride	0.442	0.432	2.3	127	0.00
34 M	Benzene	1.319	1.259	4.5	120	0.00
35	Methacrylonitrile	0.257	0.238	7.4	118	0.00
36 M	1,2-Dichloroethane	0.449	0.429	4.5	120	0.00
37 M	Trichloroethene	0.379	0.370	2.4	122	0.00
38	Methylcyclohexane	0.484	0.534	-10.3	140	0.00
39 M	1,2-Dichloropropane	0.328	0.318	3.0	122	0.00
40	Dibromomethane	0.237	0.223	5.9	115	0.00
41 M	Bromodichloromethane	0.421	0.395	6.2	121	0.00
42 M	Vinyl Acetate	0.867	0.855	1.4	122	0.00
43	Ethyl Acetate	0.474	0.456	3.8	119	0.00
44	Isopropyl Acetate	0.732	0.705	3.7	124	0.00
45 T	1,4-Dioxane	0.009	0.009#	0.0	122	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\WX021619\
 Data File : VX007560.D
 Acq On : 15 Feb 2019 11:09
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Feb 16 03:55:39 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	Methyl methacrylate	0.371	0.354	4.6	122	0.00
47	n-amyl Acetate	0.645	0.621	3.7	124	0.00
48 M	t-1,3-Dichloropropene	0.434	0.424	2.3	131	0.00
49 T	cis-1,3-Dichloropropene	0.483	0.470	2.7	125	0.00
50 M	1,1,2-Trichloroethane	0.346	0.339	2.0	121	0.00
51	Ethyl methacrylate	0.501	0.473	5.6	118	0.00
52	1,3-Dichloropropane	0.557	0.530	4.8	117	0.00
53 M	Dibromochloromethane	0.359	0.339	5.6	124	0.00
54 M	1,2-Dibromoethane	0.378	0.360	4.8	119	0.00
55 M	2-Chloroethyl vinyl ether	0.255	0.265	-3.9	131	0.00
56 M	Bromoform	0.271	0.248	8.5	122	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	124	0.00
58 M	4-Methyl-2-Pentanone	0.540	0.515	4.6	117	0.00
59 M	2-Hexanone	0.410	0.401	2.2	121	0.00
60 S	4-Bromofluorobenzene	0.460	0.457	0.7	122	0.00
61 M	Tetrachloroethene	0.426	0.430	-0.9	126	0.00
62 M	Toluene	1.634	1.573	3.7	121	0.00
63 S	Toluene-d8	1.356	1.334	1.6	121	0.00
64 M	Chlorobenzene	1.062	1.023	3.7	120	0.00
65	1,1,1,2-Tetrachloroethane	0.385	0.370	3.9	122	0.00
66 M	Ethyl Benzene	1.734	1.699	2.0	125	0.00
67 M	m/p-Xylenes	0.680	0.666	2.1	125	0.00
68 M	o-Xylene	0.663	0.638	3.8	123	0.00
69 M	Styrene	1.070	1.033	3.5	124	0.00
70	Isopropylbenzene	1.750	1.732	1.0	126	0.00
71 M	1,1,2,2-Tetrachloroethane	0.578	0.550	4.8	118	0.00
72	1,2,3-Trichloropropane	0.529	0.524	0.9	122	0.00
73	Bromobenzene	0.478	0.468	2.1	124	0.00
74	n-propylbenzene	1.943	1.969	-1.3	130	0.00
75	2-Chlorotoluene	1.162	1.145	1.5	126	0.00
76	1,3,5-Trimethylbenzene	1.428	1.429	-0.1	128	0.00
77	t-1,4-Dichloro-2-butene	0.153	0.148	3.3	134	0.00
78	4-Chlorotoluene	1.326	1.302	1.8	128	0.00
79	tert-butylbenzene	1.517	1.539	-1.5	130	0.00
80	1,2,4-Trimethylbenzene	1.450	1.451	-0.1	127	0.00
81	sec-Butylbenzene	1.706	1.736	-1.8	130	0.00
82	p-Isopropyltoluene	1.517	1.539	-1.5	130	0.00
83 M	1,3-Dichlorobenzene	0.840	0.841	-0.1	127	0.00
84 M	1,4-Dichlorobenzene	0.838	0.828	1.2	125	0.00
85	n-Butylbenzene	1.259	1.305	-3.7	138	0.00
86 T	Hexachloroethane	0.252	0.252	0.0	133	0.00
87 M	1,2-Dichlorobenzene	0.843	0.819	2.8	123	0.00
88	1,2-Dibromo-3-Chloropropane	0.121	0.111	8.3	122	0.00
89	1,2,4-Trichlorobenzene	0.554	0.565	-2.0	134	0.00
90	Hexachlorobutadiene	0.259	0.276	-6.6	139	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX021619\
Data File : VX007560.D
Acq On : 15 Feb 2019 11:09
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC020

Quant Time: Feb 16 03:55:39 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 M	Naphthalene	1.766	1.710	3.2	125	0.00
92	1,2,3-Trichlorobenzene	0.563	0.556	1.2	130	0.00

(#) = Out of Range

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