

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033123\
 Data File : VX034864.D
 Acq On : 31 Mar 2023 09:32
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Apr 01 03:35:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 09:11:00 2023
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	90	-0.01
2 M	Dichlorodifluoromethane	2.845	3.322	-16.8	113	0.00
3 M	Chloromethane	3.689	3.847	-4.3	93	0.00
4 M	Vinyl Chloride	3.640	3.833	-5.3	98	0.00
5 M	Bromomethane	2.394	2.594	-8.4	98	0.00
6 M	Chloroethane	2.369	2.468	-4.2	98	0.00
7 M	Trichlorofluoromethane	5.798	6.364	-9.8	105	0.00
8 T	Diethyl Ether	2.087	2.164	-3.7	95	0.00
9	1,1,2-Trichlorotrifluoroeth	2.942	3.253	-10.6	108	0.00
10 M	1,1-Dichloroethene	2.978	3.030	-1.7	98	0.00
11	Methyl Iodide	3.792	3.742	1.3	96	0.00
12	Methyl Acetate	6.594	6.425	2.6	90	0.00
13 M	Acrolein	0.765	0.792	-3.5	94	0.00
14 M	Acrylonitrile	1.816	1.769	2.6	89	0.00
15 M	Acetone	0.493	0.616	-24.9	115	0.00
16 M	Carbon Disulfide	7.617	7.555	0.8	100	0.00
17	Allyl chloride	5.762	5.910	-2.6	98	0.00
18 M	Methylene Chloride	3.508	3.550	-1.2	93	0.00
19 M	trans-1,2-Dichloroethene	3.258	3.396	-4.2	101	0.00
20 T	Diisopropyl ether	11.805	12.263	-3.9	96	0.00
21 M	1,1-Dichloroethane	6.312	6.571	-4.1	98	0.00
22 M	cis-1,2-Dichloroethene	3.795	3.893	-2.6	97	0.00
23 M	tert-Butyl Alcohol	0.817	0.753	7.8	85	0.00
24 M	Methyl tert-Butyl Ether	11.066	11.110	-0.4	94	0.00
25 M	Chloroform	6.420	6.541	-1.9	98	0.00
26	Cyclohexane	5.532	5.775	-4.4	104	0.00
27 s	1,2-Dichloroethane-d4	2.883	2.987	-3.6	96	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
29	1,1-Dichloropropene	0.690	0.704	-2.0	105	0.00
30 M	2-Butanone	0.385	0.398	-3.4	98	0.00
31	2,2-Dichloropropane	0.700	0.730	-4.3	106	0.00
32 M	1,1,1-Trichloroethane	0.809	0.800	1.1	101	0.00
33 M	Carbon Tetrachloride	0.668	0.666	0.3	105	0.00
34 M	Benzene	2.005	1.985	1.0	96	0.00
35	Methacrylonitrile	0.421	0.394	6.4	91	0.00
36 M	1,2-Dichloroethane	0.786	0.746	5.1	93	0.00
37 M	Trichloroethene	0.510	0.514	-0.8	101	0.00
38	Methylcyclohexane	0.754	0.759	-0.7	103	0.00
39 M	1,2-Dichloropropane	0.521	0.521	0.0	97	0.00
40	Dibromomethane	0.358	0.344	3.9	92	0.00
41 M	Bromodichloromethane	0.674	0.660	2.1	98	0.00
42 M	Vinyl Acetate	1.255	1.246	0.7	94	0.00
43	Ethyl Acetate	0.746	0.739	0.9	94	-0.01
44	Isopropyl Acetate	1.263	1.165	7.8	89	0.00
45 T	1,4-Dioxane	0.013	0.012	7.7	86	0.00
46	Methyl methacrylate	0.616	0.579	6.0	93	0.00
47	n-amyl Acetate	1.098	1.020	7.1	92	0.00
48 M	t-1,3-Dichloropropene	0.735	0.700	4.8	99	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.807	0.786	2.6	98	0.00
50 M	1,1,2-Trichloroethane	0.499	0.488	2.2	96	0.00
51	Ethyl methacrylate	0.810	0.761	6.0	92	0.00
52	1,3-Dichloropropane	0.881	0.867	1.6	95	0.00
53 M	Dibromochloromethane	0.493	0.475	3.7	99	0.00
54 M	1,2-Dibromoethane	0.534	0.511	4.3	95	0.00
55 M	2-Chloroethyl vinyl ether	0.426	0.403	5.4	89	0.00
56 M	Bromoform	0.340	0.304	10.6	98	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
58 M	4-Methyl-2-Pentanone	0.688	0.662	3.8	88	0.00
59 M	2-Hexanone	0.518	0.535	-3.3	96	0.00
60 S	4-Bromofluorobenzene	0.599	0.575	4.0	94	0.00
61 M	Tetrachloroethene	0.404	0.428	-5.9	107	0.00
62 M	Toluene	1.962	1.993	-1.6	99	0.00
63 S	Toluene-d8	1.020	1.024	-0.4	95	0.00
64 M	Chlorobenzene	1.208	1.230	-1.8	100	0.00
65	1,1,1,2-Tetrachloroethane	0.432	0.435	-0.7	99	0.00
66 M	Ethyl Benzene	2.185	2.237	-2.4	101	0.00
67 M	m/p-Xylenes	0.831	0.853	-2.6	103	0.00
68 M	o-Xylene	0.822	0.839	-2.1	100	0.00
69 M	Styrene	1.355	1.348	0.5	99	0.00
70	Isopropylbenzene	2.128	2.175	-2.2	103	0.00
71 M	1,1,2,2-Tetrachloroethane	0.699	0.669	4.3	90	0.00
72	1,2,3-Trichloropropane	0.637	0.563	11.6	84	0.00
73	Bromobenzene	0.511	0.514	-0.6	99	0.00
74	n-propylbenzene	2.477	2.550	-2.9	105	0.00
75	2-Chlorotoluene	1.544	1.539	0.3	101	0.00
76	1,3,5-Trimethylbenzene	1.791	1.794	-0.2	101	0.00
77	t-1,4-Dichloro-2-butene	0.196	0.163	16.8	93	0.00
78	4-Chlorotoluene	1.770	1.816	-2.6	106	0.00
79	tert-butylbenzene	1.710	1.724	-0.8	103	0.00
80	1,2,4-Trimethylbenzene	1.780	1.817	-2.1	104	0.00
81	sec-Butylbenzene	2.072	2.108	-1.7	105	0.00
82	p-Isopropyltoluene	1.748	1.752	-0.2	104	0.00
83 M	1,3-Dichlorobenzene	0.965	0.956	0.9	99	0.00
84 M	1,4-Dichlorobenzene	0.969	0.993	-2.5	104	0.00
85	n-Butylbenzene	1.507	1.580	-4.8	111	0.00
86 T	Hexachloroethane	0.286	0.269	5.9	109	0.00
87 M	1,2-Dichlorobenzene	0.944	0.963	-2.0	100	0.00
88	1,2-Dibromo-3-Chloropropane	0.153	0.138	9.8	97	0.00
89	1,2,4-Trichlorobenzene	0.566	0.568	-0.4	103	0.00
90	Hexachlorobutadiene	0.218	0.245	-12.4	116	0.00
91 M	Naphthalene	2.001	1.944	2.8	94	0.00
92	1,2,3-Trichlorobenzene	0.566	0.574	-1.4	101	0.00

(#) = Out of Range

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