

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111022\
 Data File : VX032758.D
 Acq On : 11 Nov 2022 06:00
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Nov 11 06:49:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 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	95	0.00
2 M	Dichlorodifluoromethane	2.655	2.848	-7.3	95	0.00
3 M	Chloromethane	2.635	2.879	-9.3	99	0.00
4 M	Vinyl Chloride	2.979	3.174	-6.5	96	0.00
5 M	Bromomethane	2.645	2.722	-2.9	96	0.00
6 M	Chloroethane	2.353	2.624	-11.5	105	0.00
7 M	Trichlorofluoromethane	5.743	6.116	-6.5	97	0.00
8 T	Diethyl Ether	1.857	1.965	-5.8	98	0.00
9	1,1,2-Trichlorotrifluoroeth	3.055	3.248	-6.3	98	0.00
10 M	1,1-Dichloroethene	2.918	3.031	-3.9	97	0.00
11	Methyl Iodide	3.138	3.295	-5.0	107	0.00
12	Methyl Acetate	4.323	4.525	-4.7	97	0.00
13 M	Acrolein	0.576	0.590	-2.4	100	0.00
14 M	Acrylonitrile	1.550	1.657	-6.9	101	0.00
15 M	Acetone	0.403	0.449	-11.4	102	0.00
16 M	Carbon Disulfide	7.265	7.506	-3.3	99	0.00
17	Allyl chloride	4.637	4.746	-2.4	98	0.00
18 M	Methylene Chloride	3.366	3.592	-6.7	99	0.00
19 M	trans-1,2-Dichloroethene	3.215	3.383	-5.2	100	0.00
20 T	Diisopropyl ether	10.398	10.666	-2.6	98	0.00
21 M	1,1-Dichloroethane	5.837	6.117	-4.8	97	0.00
22 M	cis-1,2-Dichloroethene	3.754	3.826	-1.9	97	0.00
23 M	tert-Butyl Alcohol	0.503	0.649	-29.0#	109	0.00
24 M	Methyl tert-Butyl Ether	10.450	10.911	-4.4	100	0.00
25 M	Chloroform	6.510	6.734	-3.4	99	0.00
26	Cyclohexane	5.098	5.395	-5.8	100	0.00
27 s	1,2-Dichloroethane-d4	2.894	2.914	-0.7	95	0.00
28 I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
29	1,1-Dichloropropene	0.665	0.694	-4.4	98	0.00
30 M	2-Butanone	0.310	0.339	-9.4	103	0.00
31	2,2-Dichloropropane	0.569	0.517	9.1	86	0.00
32 M	1,1,1-Trichloroethane	0.837	0.871	-4.1	98	0.00
33 M	Carbon Tetrachloride	0.735	0.777	-5.7	101	0.00
34 M	Benzene	1.875	1.976	-5.4	99	0.00
35	Methacrylonitrile	0.351	0.362	-3.1	98	-0.01
36 M	1,2-Dichloroethane	0.772	0.831	-7.6	99	0.00
37 M	Trichloroethene	0.524	0.555	-5.9	99	0.00
38	Methylcyclohexane	0.745	0.787	-5.6	99	0.00
39 M	1,2-Dichloropropane	0.475	0.488	-2.7	97	0.00
40	Dibromomethane	0.362	0.381	-5.2	98	0.00
41 M	Bromodichloromethane	0.691	0.710	-2.7	99	0.00
42 M	Vinyl Acetate	1.192	1.256	-5.4	100	0.00
43	Ethyl Acetate	0.624	0.659	-5.6	97	0.00
44	Isopropyl Acetate	1.046	1.116	-6.7	102	0.00
45 T	1,4-Dioxane	0.010	0.012	-20.0	110	0.00
46	Methyl methacrylate	0.526	0.572	-8.7	103	0.00
47	n-amyl Acetate	0.930	0.985	-5.9	101	0.00
48 M	t-1,3-Dichloropropene	0.708	0.685	3.2	95	0.00

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	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	0.748	0.757	-1.2	98	0.00
50 M	1,1,2-Trichloroethane	0.498	0.533	-7.0	103	0.00
51	Ethyl methacrylate	0.744	0.782	-5.1	101	0.00
52	1,3-Dichloropropane	0.814	0.861	-5.8	98	0.00
53 M	Dibromochloromethane	0.542	0.547	-0.9	99	0.00
54 M	1,2-Dibromoethane	0.537	0.570	-6.1	103	0.00
55 M	2-Chloroethyl vinyl ether	0.360	0.370	-2.8	98	0.00
56 M	Bromoform	0.388	0.389	-0.3	100	0.00
57 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
58 M	4-Methyl-2-Pentanone	0.587	0.636	-8.3	99	0.00
59 M	2-Hexanone	0.432	0.484	-12.0	102	0.00
60 S	4-Bromofluorobenzene	0.574	0.577	-0.5	97	0.00
61 M	Tetrachloroethene	0.419	0.437	-4.3	100	0.00
62 M	Toluene	1.951	2.039	-4.5	99	0.00
63 S	Toluene-d8	1.012	1.035	-2.3	97	0.00
64 M	Chlorobenzene	1.206	1.286	-6.6	101	0.00
65	1,1,1,2-Tetrachloroethane	0.459	0.487	-6.1	100	0.00
66 M	Ethyl Benzene	2.189	2.332	-6.5	101	0.00
67 M	m/p-Xylenes	0.852	0.891	-4.6	100	0.00
68 M	o-Xylene	0.836	0.873	-4.4	99	0.00
69 M	Styrene	1.389	1.436	-3.4	98	0.00
70	Isopropylbenzene	2.231	2.335	-4.7	99	0.00
71 M	1,1,2,2-Tetrachloroethane	0.677	0.728	-7.5	100	0.00
72	1,2,3-Trichloropropane	0.588	0.654	-11.2	101	0.00
73	Bromobenzene	0.542	0.571	-5.4	100	0.00
74	n-propylbenzene	2.535	2.651	-4.6	99	0.00
75	2-Chlorotoluene	1.535	1.646	-7.2	101	0.00
76	1,3,5-Trimethylbenzene	1.886	1.987	-5.4	100	0.00
77	t-1,4-Dichloro-2-butene	0.179	0.167	6.7	94	0.00
78	4-Chlorotoluene	1.768	1.888	-6.8	102	0.00
79	tert-butylbenzene	1.833	1.946	-6.2	102	0.00
80	1,2,4-Trimethylbenzene	1.844	1.990	-7.9	100	0.00
81	sec-Butylbenzene	2.207	2.369	-7.3	102	0.00
82	p-Isopropyltoluene	1.860	1.982	-6.6	101	0.00
83 M	1,3-Dichlorobenzene	0.995	1.048	-5.3	99	0.00
84 M	1,4-Dichlorobenzene	0.999	1.083	-8.4	102	0.00
85	n-Butylbenzene	1.576	1.652	-4.8	100	0.00
86 T	Hexachloroethane	0.305	0.303	0.7	99	0.00
87 M	1,2-Dichlorobenzene	0.989	1.059	-7.1	101	0.00
88	1,2-Dibromo-3-Chloropropane	0.144	0.159	-10.4	110	0.00
89	1,2,4-Trichlorobenzene	0.607	0.627	-3.3	100	0.00
90	Hexachlorobutadiene	0.244	0.262	-7.4	103	0.00
91 M	Naphthalene	2.049	2.167	-5.8	100	0.00
92	1,2,3-Trichlorobenzene	0.611	0.647	-5.9	99	0.00

(#) = Out of Range

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