

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072324\
 Data File : VX042457.D
 Acq On : 23 Jul 2024 08:46
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 23 15:08:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 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	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	97	0.00
2 M	Dichlorodifluoromethane	20.000	18.456	7.7	97	0.00
3 M	Chloromethane	20.000	17.980	10.1	97	0.00
4 M	Vinyl Chloride	20.000	16.868	15.7	89	0.00
5 M	Bromomethane	20.000	15.942	20.3	88	0.00
6 M	Chloroethane	20.000	23.946	-19.7	123	0.01
7 M	Trichlorofluoromethane	20.000	20.305	-1.5	102	0.02
8 T	Diethyl Ether	20.000	19.769	1.2	102	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	18.659	6.7	100	0.00
10 M	1,1-Dichloroethene	20.000	17.955	10.2	96	0.00
11	Methyl Iodide	20.000	16.457	17.7	93	0.00
12	Methyl Acetate	20.000	21.827	-9.1	106	0.00
13 M	Acrolein	100.000	60.868	39.1#	67	0.00
14 M	Acrylonitrile	100.000	98.100	1.9	101	-0.01
15 M	Acetone	100.000	103.096	-3.1	105	0.00
16 M	Carbon Disulfide	20.000	17.977	10.1	105	0.00
17	Allyl chloride	20.000	19.616	1.9	99	0.00
18 M	Methylene Chloride	20.000	18.555	7.2	95	0.00
19 M	trans-1,2-Dichloroethene	20.000	17.956	10.2	96	0.00
20 T	Diisopropyl ether	20.000	18.610	7.0	96	0.00
21 M	1,1-Dichloroethane	20.000	18.511	7.4	96	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.169	9.2	95	0.00
23 M	tert-Butyl Alcohol	100.000	107.960	-8.0	105	-0.03
24 M	Methyl tert-Butyl Ether	20.000	18.300	8.5	96	0.00
25 M	Chloroform	20.000	18.753	6.2	98	0.00
26	Cyclohexane	20.000	17.202	14.0	93	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.457	1.8	97	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	95	0.00
29	1,1-Dichloropropene	20.000	18.683	6.6	95	0.00
30 M	2-Butanone	100.000	106.168	-6.2	106	-0.01
31	2,2-Dichloropropane	20.000	18.828	5.9	94	0.00
32 M	1,1,1-Trichloroethane	20.000	19.473	2.6	98	0.00
33 M	Carbon Tetrachloride	20.000	19.138	4.3	98	0.00
34 M	Benzene	20.000	19.275	3.6	95	0.00
35	Methacrylonitrile	20.000	20.655	-3.3	102	0.00
36 M	1,2-Dichloroethane	20.000	20.054	-0.3	98	0.00
37 M	Trichloroethene	20.000	19.066	4.7	97	0.00
38	Methylcyclohexane	20.000	18.335	8.3	95	0.00
39 M	1,2-Dichloropropane	20.000	19.574	2.1	99	0.00
40	Dibromomethane	20.000	19.397	3.0	97	0.00
41 M	Bromodichloromethane	20.000	19.723	1.4	101	0.00
42 M	Vinyl Acetate	100.000	96.016	4.0	96	0.00
43	Ethyl Acetate	20.000	20.213	-1.1	99	0.00
44	Isopropyl Acetate	20.000	19.689	1.6	99	-0.01
45 T	1,4-Dioxane	400.000	380.956	4.8	91	0.00
46	Methyl methacrylate	20.000	19.934	0.3	100	0.00
47	n-amyl Acetate	20.000	18.794	6.0	102	0.00
48 M	t-1,3-Dichloropropene	20.000	18.825	5.9	100	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.441	2.8	100	0.00
50 M	1,1,2-Trichloroethane	20.000	19.922	0.4	98	0.00
51	Ethyl methacrylate	20.000	18.519	7.4	97	0.00
52	1,3-Dichloropropane	20.000	19.706	1.5	97	0.00
53 M	Dibromochloromethane	20.000	19.908	0.5	105	0.00
54 M	1,2-Dibromoethane	20.000	19.944	0.3	99	0.00
55 M	2-Chloroethyl vinyl ether	100.000	100.404	-0.4	105	0.00
56 M	Bromoform	20.000	18.990	5.1	105	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	100.000	105.211	-5.2	105	0.00
59 M	2-Hexanone	100.000	103.252	-3.3	105	0.00
60 S	4-Bromofluorobenzene	30.000	29.805	0.7	99	0.00
61 M	Tetrachloroethene	20.000	20.914	-4.6	105	0.00
62 M	Toluene	20.000	19.238	3.8	96	0.00
63 S	Toluene-d8	30.000	30.152	-0.5	96	0.00
64 M	Chlorobenzene	20.000	19.209	4.0	99	0.00
65	1,1,1,2-Tetrachloroethane	20.000	18.992	5.0	99	0.00
66 M	Ethyl Benzene	20.000	18.921	5.4	98	0.00
67 M	m/p-Xylenes	40.000	38.586	3.5	99	0.00
68 M	o-Xylene	20.000	18.682	6.6	97	0.00
69 M	Styrene	20.000	18.916	5.4	99	0.00
70	Isopropylbenzene	20.000	19.505	2.5	100	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.691	1.5	100	0.00
72	1,2,3-Trichloropropane	20.000	20.463	-2.3	104	0.00
73	Bromobenzene	20.000	18.898	5.5	98	0.00
74	n-propylbenzene	20.000	19.353	3.2	103	0.00
75	2-Chlorotoluene	20.000	19.260	3.7	100	0.00
76	1,3,5-Trimethylbenzene	20.000	18.970	5.2	99	0.00
77	t-1,4-Dichloro-2-butene	20.000	18.536	7.3	107	0.00
78	4-Chlorotoluene	20.000	19.104	4.5	100	0.00
79	tert-butylbenzene	20.000	18.693	6.5	98	0.00
80	1,2,4-Trimethylbenzene	20.000	19.098	4.5	101	0.00
81	sec-Butylbenzene	20.000	19.196	4.0	101	0.00
82	p-Isopropyltoluene	20.000	18.703	6.5	100	0.00
83 M	1,3-Dichlorobenzene	20.000	18.975	5.1	101	0.00
84 M	1,4-Dichlorobenzene	20.000	18.818	5.9	102	0.00
85	n-Butylbenzene	20.000	18.508	7.5	104	0.00
86 T	Hexachloroethane	20.000	18.620	6.9	105	0.00
87 M	1,2-Dichlorobenzene	20.000	18.827	5.9	99	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.820	0.9	107	0.00
89	1,2,4-Trichlorobenzene	20.000	17.502	12.5	99	0.00
90	Hexachlorobutadiene	20.000	18.602	7.0	102	0.00
91 M	Naphthalene	20.000	18.283	8.6	99	0.00
92	1,2,3-Trichlorobenzene	20.000	18.157	9.2	100	0.00

(#) = Out of Range

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