

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072324\
 Data File : VX042463.D
 Acq On : 23 Jul 2024 11:31
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 23 15:09:31 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	19.192	4.0	101	0.00
3 M	Chloromethane	20.000	17.826	10.9	97	0.00
4 M	Vinyl Chloride	20.000	16.482	17.6	87	0.00
5 M	Bromomethane	20.000	16.828	15.9	93	0.00
6 M	Chloroethane	20.000	21.633	-8.2	111	0.00
7 M	Trichlorofluoromethane	20.000	18.597	7.0	94	0.00
8 T	Diethyl Ether	20.000	20.341	-1.7	105	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	16.387	18.1	88	0.00
10 M	1,1-Dichloroethene	20.000	15.741	21.3	84	0.00
11	Methyl Iodide	20.000	16.779	16.1	95	0.00
12	Methyl Acetate	20.000	21.121	-5.6	103	0.00
13 M	Acrolein	100.000	48.644	51.4#	53	0.00
14 M	Acrylonitrile	100.000	97.611	2.4	101	0.00
15 M	Acetone	100.000	76.438	23.6	78	0.00
16 M	Carbon Disulfide	20.000	14.606	27.0#	86	0.00
17	Allyl chloride	20.000	17.392	13.0	88	0.00
18 M	Methylene Chloride	20.000	18.527	7.4	95	0.00
19 M	trans-1,2-Dichloroethene	20.000	18.749	6.3	100	0.00
20 T	Diisopropyl ether	20.000	19.798	1.0	102	0.00
21 M	1,1-Dichloroethane	20.000	19.423	2.9	101	0.00
22 M	cis-1,2-Dichloroethene	20.000	18.836	5.8	98	0.00
23 M	tert-Butyl Alcohol	100.000	101.366	-1.4	99	0.00
24 M	Methyl tert-Butyl Ether	20.000	19.074	4.6	100	0.00
25 M	Chloroform	20.000	19.463	2.7	102	0.00
26	Cyclohexane	20.000	18.612	6.9	100	0.00
27 s	1,2-Dichloroethane-d4	30.000	29.535	1.5	97	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	97	0.00
29	1,1-Dichloropropene	20.000	19.041	4.8	99	0.00
30 M	2-Butanone	100.000	100.266	-0.3	103	0.00
31	2,2-Dichloropropane	20.000	19.299	3.5	99	0.00
32 M	1,1,1-Trichloroethane	20.000	19.693	1.5	101	0.00
33 M	Carbon Tetrachloride	20.000	18.943	5.3	99	0.00
34 M	Benzene	20.000	19.711	1.4	99	0.00
35	Methacrylonitrile	20.000	20.843	-4.2	106	0.00
36 M	1,2-Dichloroethane	20.000	20.263	-1.3	101	0.00
37 M	Trichloroethene	20.000	19.578	2.1	102	0.00
38	Methylcyclohexane	20.000	19.449	2.8	103	0.00
39 M	1,2-Dichloropropane	20.000	19.373	3.1	100	0.00
40	Dibromomethane	20.000	19.846	0.8	102	0.00
41 M	Bromodichloromethane	20.000	19.380	3.1	102	0.00
42 M	Vinyl Acetate	100.000	98.709	1.3	101	0.00
43	Ethyl Acetate	20.000	18.908	5.5	95	0.00
44	Isopropyl Acetate	20.000	19.544	2.3	101	0.00
45 T	1,4-Dioxane	400.000	372.775	6.8	91	0.00
46	Methyl methacrylate	20.000	19.852	0.7	102	0.00
47	n-amyl Acetate	20.000	19.164	4.2	106	0.00
48 M	t-1,3-Dichloropropene	20.000	18.837	5.8	102	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.147	4.3	101	0.00
50 M	1,1,2-Trichloroethane	20.000	19.976	0.1	101	0.00
51	Ethyl methacrylate	20.000	19.332	3.3	103	0.00
52	1,3-Dichloropropane	20.000	19.823	0.9	100	0.00
53 M	Dibromochloromethane	20.000	19.220	3.9	103	0.00
54 M	1,2-Dibromoethane	20.000	19.756	1.2	101	0.00
55 M	2-Chloroethyl vinyl ether	100.000	99.125	0.9	106	0.00
56 M	Bromoform	20.000	18.273	8.6	104	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	98	0.00
58 M	4-Methyl-2-Pentanone	100.000	104.871	-4.9	105	0.00
59 M	2-Hexanone	100.000	101.226	-1.2	104	0.00
60 S	4-Bromofluorobenzene	30.000	30.089	-0.3	101	0.00
61 M	Tetrachloroethene	20.000	20.018	-0.1	102	0.00
62 M	Toluene	20.000	19.958	0.2	101	0.00
63 S	Toluene-d8	30.000	30.457	-1.5	98	0.00
64 M	Chlorobenzene	20.000	19.545	2.3	102	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.667	1.7	103	0.00
66 M	Ethyl Benzene	20.000	19.760	1.2	103	0.00
67 M	m/p-Xylenes	40.000	39.735	0.7	103	0.00
68 M	o-Xylene	20.000	19.616	1.9	102	0.00
69 M	Styrene	20.000	19.589	2.1	104	0.00
70	Isopropylbenzene	20.000	20.092	-0.5	104	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	19.895	0.5	102	0.00
72	1,2,3-Trichloropropane	20.000	19.774	1.1	102	0.00
73	Bromobenzene	20.000	19.813	0.9	104	0.00
74	n-propylbenzene	20.000	20.056	-0.3	107	0.00
75	2-Chlorotoluene	20.000	20.210	-1.1	105	0.00
76	1,3,5-Trimethylbenzene	20.000	20.061	-0.3	105	0.00
77	t-1,4-Dichloro-2-butene	20.000	17.463	12.7	102	0.00
78	4-Chlorotoluene	20.000	19.783	1.1	104	0.00
79	tert-butylbenzene	20.000	19.742	1.3	104	0.00
80	1,2,4-Trimethylbenzene	20.000	19.689	1.6	104	0.00
81	sec-Butylbenzene	20.000	19.705	1.5	104	0.00
82	p-Isopropyltoluene	20.000	19.649	1.8	106	0.00
83 M	1,3-Dichlorobenzene	20.000	19.452	2.7	104	0.00
84 M	1,4-Dichlorobenzene	20.000	19.587	2.1	107	0.00
85	n-Butylbenzene	20.000	19.417	2.9	110	0.00
86 T	Hexachloroethane	20.000	17.929	10.4	102	0.00
87 M	1,2-Dichlorobenzene	20.000	19.304	3.5	103	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	19.169	4.2	105	0.00
89	1,2,4-Trichlorobenzene	20.000	18.665	6.7	106	0.00
90	Hexachlorobutadiene	20.000	19.147	4.3	105	0.00
91 M	Naphthalene	20.000	19.044	4.8	104	0.00
92	1,2,3-Trichlorobenzene	20.000	18.980	5.1	106	0.00

(#) = Out of Range

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