

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
 Data File : VX036546.D
 Acq On : 13 Jul 2023 23:48
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC020

Quant Time: Jul 14 04:40:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 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	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	30.000	30.000	0.0	97	0.00
2 M	Dichlorodifluoromethane	20.000	15.739	21.3	73	0.00
3 M	Chloromethane	20.000	16.551	17.2	83	0.00
4 M	Vinyl Chloride	20.000	16.003	20.0	77	0.00
5 M	Bromomethane	20.000	15.644	21.8	76	0.00
6 M	Chloroethane	20.000	17.059	14.7	84	0.00
7 M	Trichlorofluoromethane	20.000	16.042	19.8	76	0.00
8 T	Diethyl Ether	20.000	18.263	8.7	100	0.00
9	1,1,2-Trichlorotrifluoroeth	20.000	15.462	22.7	77	0.00
10 M	1,1-Dichloroethene	20.000	16.312	18.4	82	0.00
11	Methyl Iodide	20.000	20.246	-1.2	118	0.00
12	Methyl Acetate	20.000	18.465	7.7	97	0.00
13 M	Acrolein	100.000	66.985	33.0#	78	0.00
14 M	Acrylonitrile	100.000	91.318	8.7	97	0.00
15 M	Acetone	100.000	89.358	10.6	94	0.00
16 M	Carbon Disulfide	20.000	16.312	18.4	86	0.00
17	Allyl chloride	20.000	17.112	14.4	91	0.00
18 M	Methylene Chloride	20.000	18.289	8.6	99	0.00
19 M	trans-1,2-Dichloroethene	20.000	17.284	13.6	90	0.00
20 T	Diisopropyl ether	20.000	18.906	5.5	100	0.00
21 M	1,1-Dichloroethane	20.000	17.972	10.1	94	0.00
22 M	cis-1,2-Dichloroethene	20.000	17.994	10.0	93	0.00
23 M	tert-Butyl Alcohol	100.000	80.649	19.4	88	0.00
24 M	Methyl tert-Butyl Ether	20.000	18.828	5.9	101	0.00
25 M	Chloroform	20.000	18.330	8.4	95	0.00
26	Cyclohexane	20.000	15.526	22.4	75	0.00
27 s	1,2-Dichloroethane-d4	30.000	28.584	4.7	95	0.00
28 I	1,4-Difluorobenzene	30.000	30.000	0.0	88	0.00
29	1,1-Dichloropropene	20.000	18.921	5.4	85	0.00
30 M	2-Butanone	100.000	100.446	-0.4	94	0.00
31	2,2-Dichloropropane	20.000	14.113	29.4#	67	0.00
32 M	1,1,1-Trichloroethane	20.000	18.816	5.9	85	0.00
33 M	Carbon Tetrachloride	20.000	17.867	10.7	82	0.00
34 M	Benzene	20.000	20.178	-0.9	93	0.00
35	Methacrylonitrile	20.000	20.913	-4.6	100	0.00
36 M	1,2-Dichloroethane	20.000	21.061	-5.3	100	0.00
37 M	Trichloroethene	20.000	19.671	1.6	91	0.00
38	Methylcyclohexane	20.000	16.124	19.4	71	0.00
39 M	1,2-Dichloropropane	20.000	20.363	-1.8	96	0.00
40	Dibromomethane	20.000	20.625	-3.1	100	0.00
41 M	Bromodichloromethane	20.000	20.045	-0.2	97	0.00
42 M	Vinyl Acetate	100.000	104.584	-4.6	100	0.00
43	Ethyl Acetate	20.000	21.109	-5.5	102	0.00
44	Isopropyl Acetate	20.000	20.770	-3.8	99	0.00
45 T	1,4-Dioxane	400.000	368.064	8.0	88	0.00
46	Methyl methacrylate	20.000	20.362	-1.8	100	0.00
47	n-amyl Acetate	20.000	20.201	-1.0	98	0.00
48 M	t-1,3-Dichloropropene	20.000	18.367	8.2	91	0.00

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	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	cis-1,3-Dichloropropene	20.000	19.343	3.3	93	0.00
50 M	1,1,2-Trichloroethane	20.000	21.621	-8.1	101	0.00
51	Ethyl methacrylate	20.000	20.909	-4.5	100	0.00
52	1,3-Dichloropropane	20.000	21.226	-6.1	98	0.00
53 M	Dibromochloromethane	20.000	19.821	0.9	97	0.00
54 M	1,2-Dibromoethane	20.000	21.268	-6.3	101	0.00
55 M	2-Chloroethyl vinyl ether	100.000	104.435	-4.4	97	0.00
56 M	Bromoform	20.000	19.090	4.6	96	0.00
57 I	Chlorobenzene-d5	30.000	30.000	0.0	90	0.00
58 M	4-Methyl-2-Pentanone	100.000	102.376	-2.4	97	0.00
59 M	2-Hexanone	100.000	101.001	-1.0	96	0.00
60 S	4-Bromofluorobenzene	30.000	30.771	-2.6	92	0.00
61 M	Tetrachloroethene	20.000	18.526	7.4	84	0.00
62 M	Toluene	20.000	19.985	0.1	93	0.00
63 S	Toluene-d8	30.000	30.214	-0.7	90	0.00
64 M	Chlorobenzene	20.000	19.882	0.6	94	0.00
65	1,1,1,2-Tetrachloroethane	20.000	19.848	0.8	96	0.00
66 M	Ethyl Benzene	20.000	19.272	3.6	90	0.00
67 M	m/p-Xylenes	40.000	37.961	5.1	88	0.00
68 M	o-Xylene	20.000	19.754	1.2	92	0.00
69 M	Styrene	20.000	19.736	1.3	93	0.00
70	Isopropylbenzene	20.000	18.727	6.4	86	0.00
71 M	1,1,2,2-Tetrachloroethane	20.000	20.622	-3.1	100	0.00
72	1,2,3-Trichloropropane	20.000	20.179	-0.9	97	0.00
73	Bromobenzene	20.000	19.777	1.1	95	0.00
74	n-propylbenzene	20.000	18.317	8.4	85	0.00
75	2-Chlorotoluene	20.000	19.498	2.5	89	0.00
76	1,3,5-Trimethylbenzene	20.000	18.859	5.7	87	0.00
77	t-1,4-Dichloro-2-butene	20.000	15.750	21.3	83	0.00
78	4-Chlorotoluene	20.000	19.181	4.1	91	0.00
79	tert-butylbenzene	20.000	18.046	9.8	84	0.00
80	1,2,4-Trimethylbenzene	20.000	19.042	4.8	89	0.00
81	sec-Butylbenzene	20.000	17.809	11.0	81	0.00
82	p-Isopropyltoluene	20.000	17.938	10.3	82	0.00
83 M	1,3-Dichlorobenzene	20.000	18.901	5.5	89	0.00
84 M	1,4-Dichlorobenzene	20.000	18.990	5.1	91	0.00
85	n-Butylbenzene	20.000	16.522	17.4	78	0.00
86 T	Hexachloroethane	20.000	16.373	18.1	83	0.00
87 M	1,2-Dichlorobenzene	20.000	19.603	2.0	94	0.00
88	1,2-Dibromo-3-Chloropropane	20.000	17.886	10.6	88	0.00
89	1,2,4-Trichlorobenzene	20.000	18.272	8.6	89	0.00
90	Hexachlorobutadiene	20.000	16.518	17.4	73	0.00
91 M	Naphthalene	20.000	19.619	1.9	96	0.00
92	1,2,3-Trichlorobenzene	20.000	18.642	6.8	90	0.00

(#) = Out of Range

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