

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080321\
 Data File : VX023524.D
 Acq On : 03 Aug 2021 13:29
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX080321

Quant Time: Aug 04 04:54:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.910	128	42677	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	235041	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	211013	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	96479	29.232	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.433%
60) 4-Bromofluorobenzene	11.085	95	101982	29.507	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.367%
63) Toluene-d8	8.653	98	286967	30.217	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.733%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	47002	18.647	ug/l	99
3) Chloromethane	1.294	50	52450	18.443	ug/l	98
4) Vinyl Chloride	1.374	62	52284	18.381	ug/l	99
5) Bromomethane	1.599	94	37317	22.358	ug/l	97
6) Chloroethane	1.685	64	32577	18.292	ug/l	100
7) Trichlorofluoromethane	1.886	101	83857	18.254	ug/l	98
8) Diethyl Ether	2.142	74	28865	17.622	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	47968	18.692	ug/l	99
10) 1,1-Dichloroethene	2.319	96	45297	18.320	ug/l	91
11) Methyl Iodide	2.453	142	58175	16.746	ug/l	96
12) Methyl Acetate	2.709	43	65800	17.844	ug/l	98
13) Acrolein	2.239	56	36070	88.845	ug/l	99
14) Acrylonitrile	3.068	53	148802	91.216	ug/l	99
15) Acetone	2.386	58	49573	100.272	ug/l	97
16) Carbon Disulfide	2.514	76	107701	17.658	ug/l	100
17) Allyl chloride	2.666	41	83124	18.194	ug/l	98
18) Methylene Chloride	2.794	84	53287	18.325	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	48404	18.291	ug/l	96
20) Diisopropyl ether	3.770	45	165260	18.114	ug/l	95
21) 1,1-Dichloroethane	3.617	63	91136	18.340	ug/l	98
22) cis-1,2-Dichloroethene	4.495	96	55517	18.027	ug/l	95
23) tert-Butyl Alcohol	2.977	59	67520	91.213	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	158803	18.310	ug/l	99
25) Chloroform	5.099	83	91531	17.956	ug/l	97
26) Cyclohexane	5.477	56	83132	18.426	ug/l #	97
29) 1,1-Dichloropropene	5.696	75	69239	18.914	ug/l	99
30) 2-Butanone	4.568	43	226255	92.206	ug/l	100
31) 2,2-Dichloropropane	4.483	77	76625	18.516	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	79186	17.881	ug/l	99
33) Carbon Tetrachloride	5.684	117	69002	17.914	ug/l	99
34) Benzene	6.043	78	200705	18.185	ug/l	98
35) Methacrylonitrile	4.928	41	43646	17.691	ug/l	96
36) 1,2-Dichloroethane	6.092	62	75831	17.981	ug/l	99
37) Trichloroethene	7.129	130	55372	18.466	ug/l	93
38) Methylcyclohexane	7.385	83	87576	18.807	ug/l	99
39) 1,2-Dichloropropane	7.434	63	52150	18.057	ug/l	97
40) Dibromomethane	7.586	93	36833	17.979	ug/l	98
41) Bromodichloromethane	7.824	83	65864	17.714	ug/l	98
42) Vinyl Acetate	3.733	43	731724	91.548	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	83138	18.265	ug/l	99
44) Isopropyl Acetate	6.348	43	129936	17.931	ug/l	99
45) 1,4-Dioxane	7.665	88	27866	370.582	ug/l	99
46) Methyl methacrylate	7.696	41	63406	18.143	ug/l	97
47) n-amyl Acetate	10.848	43	110466	17.917	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	76876	17.709	ug/l	96
49) cis-1,3-Dichloropropene	8.372	75	82130	17.840	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	53029	17.922	ug/l	97
51) Ethyl methacrylate	9.122	69	84109	18.029	ug/l	96
52) 1,3-Dichloropropane	9.311	76	89021	18.328	ug/l	99
53) Dibromochloromethane	9.525	129	50558	17.002	ug/l	100
54) 1,2-Dibromoethane	9.616	107	56758	18.127	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	225045	96.589	ug/l	100
56) Bromoform	10.805	173	36194	16.962	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	428852	94.271	ug/l	99
59) 2-Hexanone	9.433	43	341832	96.766	ug/l	99
61) Tetrachloroethene	9.275	164	56102	19.788	ug/l	97
62) Toluene	8.720	91	226768	19.049	ug/l	98
64) Chlorobenzene	10.079	112	141268	18.756	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	50769	18.207	ug/l	99
66) Ethyl Benzene	10.195	91	248067	18.830	ug/l	100
67) m/p-Xylenes	10.305	106	190975	37.484	ug/l	100
68) o-Xylene	10.646	106	93692	18.653	ug/l	97
69) Styrene	10.659	104	152890	18.471	ug/l	99
70) Isopropylbenzene	10.963	105	246349	18.654	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	80029	18.943	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	75065m	18.903	ug/l	
73) Bromobenzene	11.201	156	60604	18.849	ug/l	97
74) n-propylbenzene	11.305	91	283949	18.568	ug/l	99
75) 2-Chlorotoluene	11.366	91	170798	18.711	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	205572	18.770	ug/l	98
77) t-1,4-Dichloro-2-butene	11.024	75	25215	17.788	ug/l	94
78) 4-Chlorotoluene	11.457	91	188782	18.303	ug/l	99
79) tert-butylbenzene	11.719	119	199010	18.706	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	204199	18.814	ug/l	99
81) sec-Butylbenzene	11.896	105	256976	18.858	ug/l	100
82) p-Isopropyltoluene	12.012	119	211882	18.924	ug/l	100
83) 1,3-Dichlorobenzene	11.975	146	107362	18.436	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	107152	18.615	ug/l	100
85) n-Butylbenzene	12.335	91	185211	18.698	ug/l	99
86) Hexachloroethane	12.542	117	31710	17.425	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	103903	18.489	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	15379	16.574	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	64588	18.580	ug/l	99
90) Hexachlorobutadiene	13.725	225	29655	19.018	ug/l	100
91) Naphthalene	13.780	128	212482	17.796	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	64722	18.531	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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