

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072921\
 Data File : VX023495.D
 Acq On : 28 Jul 2021 16:11
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/30/2021 6:17:24 PM

Quant Time: Jul 29 01:22:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X072921W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 29 01:17:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.910	128	39030	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	218810	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	204814	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	87475	29.327	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.767%
60) 4-Bromofluorobenzene	11.085	95	100423	29.847	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.500%
63) Toluene-d8	8.653	98	273894	29.246	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	233628	102.691	ug/l	98
3) Chloromethane	1.294	50	263240	96.297	ug/l	99
4) Vinyl Chloride	1.374	62	267436	95.599	ug/l	99
5) Bromomethane	1.599	94	148956	92.789	ug/l	98
6) Chloroethane	1.672	64	164635	91.702	ug/l	98
7) Trichlorofluoromethane	1.880	101	425013	106.546	ug/l	96
8) Diethyl Ether	2.136	74	152283	91.391	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	236207	103.229	ug/l	99
10) 1,1-Dichloroethene	2.319	96	230995	101.166	ug/l	90
11) Methyl Iodide	2.453	142	353857	148.378	ug/l	97
12) Methyl Acetate	2.715	43	345894	107.990	ug/l	99
13) Acrolein	2.239	56	186410	395.550	ug/l	98
14) Acrylonitrile	3.075	53	771064	579.665	ug/l	98
15) Acetone	2.392	58	211134	530.469	ug/l	96
16) Carbon Disulfide	2.508	76	585719	96.807	ug/l	100
17) Allyl chloride	2.666	41	430139	106.050	ug/l	97
18) Methylene Chloride	2.794	84	262023	95.350	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	248135	100.253	ug/l	98
20) Diisopropyl ether	3.776	45	851629	109.518	ug/l	88
21) 1,1-Dichloroethane	3.617	63	467052	102.642	ug/l	100
22) cis-1,2-Dichloroethene	4.495	96	290512	99.220	ug/l	97
23) tert-Butyl Alcohol	2.989	59	338808	534.124	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	824301	109.637	ug/l	99
25) Chloroform	5.105	83	477569	102.690	ug/l	99
26) Cyclohexane	5.477	56	429047	111.616	ug/l #	98
29) 1,1-Dichloropropene	5.702	75	357443	105.089	ug/l	100
30) 2-Butanone	4.574	43	1148306	580.850	ug/l	100
31) 2,2-Dichloropropane	4.483	77	386239	98.352	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	424412	105.846	ug/l	99
33) Carbon Tetrachloride	5.684	117	372286	110.174	ug/l	97
34) Benzene	6.044	78	1037117	100.145	ug/l	98
35) Methacrylonitrile	4.934	41	243092	116.839	ug/l	99
36) 1,2-Dichloroethane	6.098	62	390443	108.337	ug/l	100
37) Trichloroethene	7.129	130	285614	108.687	ug/l	100
38) Methylcyclohexane	7.385	83	446928	113.855	ug/l	99
39) 1,2-Dichloropropane	7.440	63	273278	105.318	ug/l	98
40) Dibromomethane	7.586	93	193001	107.286	ug/l	98
41) Bromodichloromethane	7.830	83	361998	102.811	ug/l	99
42) Vinyl Acetate	3.733	43	3828588	531.524	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	441767	111.835	ug/l	100
44) Isopropyl Acetate	6.355	43	706938	109.260	ug/l	100
45) 1,4-Dioxane	7.665	88	138911	2335.861	ug/l	97
46) Methyl methacrylate	7.702	41	343636	113.651	ug/l	94
47) n-amyl Acetate	10.848	43	599027	111.313	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	433561	109.331	ug/l	98
49) cis-1,3-Dichloropropene	8.372	75	451820	106.489	ug/l	96
50) 1,1,2-Trichloroethane	9.159	97	282008	109.089	ug/l	96
51) Ethyl methacrylate	9.122	69	469610	113.670	ug/l	98
52) 1,3-Dichloropropane	9.311	76	465162	104.065	ug/l	99
53) Dibromochloromethane	9.525	129	298593	117.275	ug/l	98
54) 1,2-Dibromoethane	9.616	107	305821	115.263	ug/l	100
55) 2-Chloroethyl vinyl ether	8.251	63	1115075	512.146	ug/l	100
56) Bromoform	10.805	173	212232	129.259	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	2218431	531.964	ug/l	99
59) 2-Hexanone	9.439	43	1670246	535.220	ug/l	99
61) Tetrachloroethene	9.275	164	273325	114.622	ug/l	98
62) Toluene	8.726	91	1167385	100.224	ug/l	99
64) Chlorobenzene	10.086	112	742108	105.804	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	275397	108.500	ug/l	100
66) Ethyl Benzene	10.195	91	1317014	102.988	ug/l	98
67) m/p-Xylenes	10.305	106	1012378	208.288	ug/l	99
68) o-Xylene	10.646	106	502362	106.684	ug/l	99
69) Styrene	10.659	104	830328	105.258	ug/l	99
70) Isopropylbenzene	10.963	105	1312888	105.749	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.219	83	403848	98.975	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	371034m	100.879	ug/l	
73) Bromobenzene	11.201	156	317283	117.454	ug/l	96
74) n-propylbenzene	11.311	91	1531617	105.958	ug/l	100
75) 2-Chlorotoluene	11.366	91	899065	104.965	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	1083524	104.633	ug/l	98
77) t-1,4-Dichloro-2-butene	11.024	75	146421	103.284	ug/l	93
78) 4-Chlorotoluene	11.457	91	1021625	103.997	ug/l	100
79) tert-butylbenzene	11.719	119	1050840	105.977	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	1060921	102.601	ug/l	99
81) sec-Butylbenzene	11.896	105	1364273	109.100	ug/l	100
82) p-Isopropyltoluene	12.012	119	1122503	107.450	ug/l	99
83) 1,3-Dichlorobenzene	11.975	146	568087	112.586	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	567476	112.459	ug/l	98
85) n-Butylbenzene	12.335	91	1010515	106.107	ug/l	100
86) Hexachloroethane	12.542	117	191858	112.411	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	542797	110.769	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	97848	109.531	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	360173	119.604	ug/l	99
90) Hexachlorobutadiene	13.725	225	152791	127.671	ug/l	99
91) Naphthalene	13.780	128	1249204	108.294	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	359787	120.790	ug/l	99

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

