

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080321\
 Data File : VX023528.D
 Acq On : 03 Aug 2021 15:36
 Operator : JC/MD
 Sample : VX0803WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0803WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 5:39:31 PM

Quant Time: Aug 04 04:55:55 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	4.903	128	37940	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	212024	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	192323	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	87053	29.670	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.900%		
60) 4-Bromofluorobenzene	11.085	95	90837	28.836	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.133%		
63) Toluene-d8	8.653	98	261822	30.249	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.833%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	44586	19.897	ug/l	97
3) Chloromethane	1.294	50	50065	19.802	ug/l	96
4) Vinyl Chloride	1.374	62	48595	19.217	ug/l	96
5) Bromomethane	1.605	94	35577	23.976	ug/l	99
6) Chloroethane	1.685	64	30370	19.181	ug/l	98
7) Trichlorofluoromethane	1.886	101	80175	19.632	ug/l	94
8) Diethyl Ether	2.136	74	28789	19.770	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	45924	20.130	ug/l	99
10) 1,1-Dichloroethene	2.319	96	42579	19.371	ug/l	93
11) Methyl Iodide	2.453	142	53447	17.306	ug/l	97
12) Methyl Acetate	2.709	43	61480	18.754	ug/l	100
13) Acrolein	2.239	56	33071	91.628	ug/l	95
14) Acrylonitrile	3.068	53	135491	93.426	ug/l	96
15) Acetone	2.386	58	37416	85.131	ug/l	99
16) Carbon Disulfide	2.514	76	100239	18.486	ug/l	100
17) Allyl chloride	2.666	41	74998	18.465	ug/l	98
18) Methylene Chloride	2.794	84	51373	19.872	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	45861	19.494	ug/l	95
20) Diisopropyl ether	3.770	45	155313	19.149	ug/l	94
21) 1,1-Dichloroethane	3.617	63	85899	19.444	ug/l	98
22) cis-1,2-Dichloroethene	4.495	96	52958	19.343	ug/l	98
23) tert-Butyl Alcohol	2.971	59	62211	94.534	ug/l	100
24) Methyl tert-Butyl Ether	3.123	73	148876	19.308	ug/l	99
25) Chloroform	5.099	83	87586	19.327	ug/l	99
26) Cyclohexane	5.477	56	78720	19.626	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	64249	19.456	ug/l	99
30) 2-Butanone	4.562	43	201031	90.820	ug/l	99
31) 2,2-Dichloropropane	4.483	77	67723	18.141	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	75560	18.914	ug/l	98
33) Carbon Tetrachloride	5.684	117	65045	18.720	ug/l	97
34) Benzene	6.043	78	191912	19.276	ug/l	98
35) Methacrylonitrile	4.928	41	41896	18.825	ug/l	97
36) 1,2-Dichloroethane	6.092	62	71240	18.726	ug/l	100
37) Trichloroethene	7.129	130	52073	19.251	ug/l	99
38) Methylcyclohexane	7.385	83	82427	19.623	ug/l	99
39) 1,2-Dichloropropane	7.433	63	48577	18.646	ug/l	96
40) Dibromomethane	7.586	93	34696	18.774	ug/l	97
41) Bromodichloromethane	7.824	83	60696	18.096	ug/l	98
42) Vinyl Acetate	3.727	43	686501	95.214	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	75542	18.398	ug/l	99
44) Isopropyl Acetate	6.348	43	121722	18.621	ug/l	99
45) 1,4-Dioxane	7.665	88	26654	392.944	ug/l	98
46) Methyl methacrylate	7.696	41	58302	18.493	ug/l	99
47) n-amyl Acetate	10.848	43	103998	18.699	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	70219	17.931	ug/l	99
49) cis-1,3-Dichloropropene	8.372	75	76106	18.326	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	51251	19.201	ug/l	96
51) Ethyl methacrylate	9.116	69	78314	18.609	ug/l	98
52) 1,3-Dichloropropane	9.311	76	83119	18.970	ug/l	100
53) Dibromochloromethane	9.525	129	47793	17.816	ug/l	98
54) 1,2-Dibromoethane	9.610	107	52693	18.656	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	188387	89.633	ug/l	100
56) Bromoform	10.805	173	33045	17.168	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	399958	96.464	ug/l	100
59) 2-Hexanone	9.433	43	309945	96.266	ug/l	99
61) Tetrachloroethene	9.275	164	52175	20.191	ug/l	97
62) Toluene	8.720	91	211907	19.531	ug/l	100
64) Chlorobenzene	10.079	112	131567	19.166	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	47875	18.837	ug/l	98
66) Ethyl Benzene	10.195	91	232079	19.329	ug/l	98
67) m/p-Xylenes	10.305	106	177098	38.139	ug/l	100
68) o-Xylene	10.646	106	88314	19.291	ug/l	98
69) Styrene	10.659	104	142301	18.862	ug/l	99
70) Isopropylbenzene	10.963	105	231927	19.269	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	73852	19.180	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	69766m	19.276	ug/l	
73) Bromobenzene	11.201	156	56080	19.137	ug/l	96
74) n-propylbenzene	11.305	91	264011	18.942	ug/l	100
75) 2-Chlorotoluene	11.366	91	159199	19.135	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	191009	19.135	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	22657	17.536	ug/l	99
78) 4-Chlorotoluene	11.457	91	176508	18.776	ug/l	99
79) tert-butylbenzene	11.719	119	184504	19.028	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	190288	19.236	ug/l	100
81) sec-Butylbenzene	11.896	105	236587	19.049	ug/l	100
82) p-Isopropyltoluene	12.012	119	192500	18.863	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	101302	19.085	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	99786	19.020	ug/l	99
85) n-Butylbenzene	12.335	91	169542	18.780	ug/l	100
86) Hexachloroethane	12.542	117	29868	18.008	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	98866	19.302	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	14223	16.818	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	56626	17.872	ug/l	97
90) Hexachlorobutadiene	13.725	225	26562	18.690	ug/l	99
91) Naphthalene	13.780	128	199488	18.331	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	58967	18.524	ug/l	99

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

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