

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032621\
 Data File : VX021536.D
 Acq On : 26 Mar 2021 16:37
 Operator : JC/MD
 Sample : M1458-08 5.0PPB LOQ
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2021

Manual Integrations
 APPROVED

SAM
 3/30/2021 7:15:05 PM

Quant Time: Mar 27 04:53:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032621W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 27 04:47:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.982	128	14799	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	80260	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	71711	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	40135	29.04	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.80%		
60) 4-Bromofluorobenzene	11.118	95	36383	28.85	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.17%		
63) Toluene-d8	8.694	98	100276	31.13	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.77%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	4437	3.22	ug/l	96
3) Chloromethane	1.311	50	5638	4.48	ug/l	97
4) Vinyl Chloride	1.393	62	4567	4.09	ug/l	95
5) Bromomethane	1.623	94	2156	4.80	ug/l	93
6) Chloroethane	1.705	64	2968	4.45	ug/l #	88
7) Trichlorofluoromethane	1.911	101	7780	4.64	ug/l	93
8) Diethyl Ether	2.170	74	2562	4.64	ug/l	67
9) 1,1,2-Trichlorotrifluo...	2.358	101	4202	4.52	ug/l	97
10) 1,1-Dichloroethene	2.352	96	4034	4.58	ug/l	92
11) Methyl Iodide	2.487	142	2795	3.81	ug/l	90
12) Methyl Acetate	2.752	43	6622	3.67	ug/l #	85
13) Acrolein	2.270	56	4097	24.12	ug/l	94
14) Acrylonitrile	3.117	53	13357	23.78	ug/l	98
15) Acetone	2.423	58	3803	25.56	ug/l	77
16) Carbon Disulfide	2.546	76	9820	3.99	ug/l	98
17) Allyl chloride	2.705	41	7934	4.64	ug/l	88
18) Methylene Chloride	2.834	84	4997	4.80	ug/l #	95
19) trans-1,2-Dichloroethene	3.140	96	4238	4.45	ug/l #	76
20) Diisopropyl ether	3.823	45	16185	4.74	ug/l #	92
21) 1,1-Dichloroethane	3.664	63	8769	4.72	ug/l	97
22) cis-1,2-Dichloroethene	4.564	96	5204	4.73	ug/l	89
23) tert-Butyl Alcohol	3.023	59	5548	23.27	ug/l #	100
24) Methyl tert-Butyl Ether	3.164	73	14916	4.62	ug/l #	81
25) Chloroform	5.176	83	9316	4.72	ug/l	96
26) Cyclohexane	5.541	56	6811	4.25	ug/l #	90
29) 1,1-Dichloropropene	5.758	75	6361	4.70	ug/l	97
30) 2-Butanone	4.635	43	19417	24.54	ug/l #	91
31) 2,2-Dichloropropane	4.546	77	6944	4.60	ug/l	96
32) 1,1,1-Trichloroethane	5.464	97	7875	4.70	ug/l #	92
33) Carbon Tetrachloride	5.753	117	7167	4.83	ug/l #	88
34) Benzene	6.111	78	18485	4.78	ug/l	99
35) Methacrylonitrile	4.999	41	4267	4.90	ug/l	89
36) 1,2-Dichloroethane	6.158	62	8287	5.01	ug/l #	93
37) Trichloroethene	7.188	130	4872	4.86	ug/l	97
38) Methylcyclohexane	7.435	83	6615	4.41	ug/l	92
39) 1,2-Dichloropropane	7.482	63	5012	4.86	ug/l	97
40) Dibromomethane	7.635	93	3699	4.91	ug/l	91
41) Bromodichloromethane	7.876	83	7193	4.65	ug/l	97
42) Vinyl Acetate	3.782	43	66954	24.63	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.799	43	7909	5.25	ug/l #	85
44) Isopropyl Acetate	6.411	43	12276	4.87	ug/l	93
45) 1,4-Dioxane	7.712	88	2290	91.24	ug/l #	82
46) Methyl methacrylate	7.747	41	6398	4.62	ug/l	81
47) n-amyl Acetate	10.883	43	9509	4.36	ug/l	99
48) t-1,3-Dichloropropene	9.024	75	6849	4.39	ug/l	99
49) cis-1,3-Dichloropropene	8.412	75	7547	4.51	ug/l #	78
50) 1,1,2-Trichloroethane	9.194	97	4887	4.83	ug/l	98
51) Ethyl methacrylate	9.159	69	6703	4.54	ug/l #	71
52) 1,3-Dichloropropane	9.353	76	8393	4.86	ug/l	96
53) Dibromochloromethane	9.565	129	5400	4.68	ug/l	99
54) 1,2-Dibromoethane	9.653	107	5041	4.64	ug/l	96
55) 2-Chloroethyl vinyl ether	8.288	63	19031	23.15	ug/l	97
56) Bromoform	10.841	173	3614	4.44	ug/l	97
58) 4-Methyl-2-Pentanone	8.618	43	37874	25.02	ug/l #	89
59) 2-Hexanone	9.471	43	28186	24.79	ug/l	87
61) Tetrachloroethene	9.318	164	4201	4.83	ug/l	97
62) Toluene	8.765	91	19425	4.81	ug/l	98
64) Chlorobenzene	10.118	112	12072	4.90	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.200	131	4651	4.78	ug/l	98
66) Ethyl Benzene	10.235	91	21005	4.65	ug/l	99
67) m/p-Xylenes	10.341	106	15027	9.05	ug/l	92
68) o-Xylene	10.683	106	7671	4.78	ug/l	97
69) Styrene	10.694	104	12289	4.58	ug/l	94
70) Isopropylbenzene	11.000	105	20169	4.61	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.247	83	7346	4.90	ug/l	100
72) 1,2,3-Trichloropropane	11.277	75	7127m	4.97	ug/l	
73) Bromobenzene	11.241	156	5257	4.98	ug/l	95
74) n-propylbenzene	11.341	91	23070	4.49	ug/l	99
75) 2-Chlorotoluene	11.406	91	14506	4.64	ug/l	97
76) 1,3,5-Trimethylbenzene	11.489	105	16735	4.49	ug/l	98
77) t-1,4-Dichloro-2-butene	11.059	75	1822	3.98	ug/l	83
78) 4-Chlorotoluene	11.494	91	16928	4.65	ug/l	97
79) tert-butylbenzene	11.753	119	16120	4.54	ug/l	93
80) 1,2,4-Trimethylbenzene	11.789	105	16991	4.56	ug/l	92
81) sec-Butylbenzene	11.930	105	18339	4.45	ug/l	98
82) p-Isopropyltoluene	12.047	119	16160	4.30	ug/l	95
83) 1,3-Dichlorobenzene	12.006	146	8917	4.72	ug/l	98
84) 1,4-Dichlorobenzene	12.083	146	8651	4.57	ug/l	98
85) n-Butylbenzene	12.371	91	13548	4.04	ug/l	97
86) Hexachloroethane	12.577	117	2870	4.33	ug/l	93
87) 1,2-Dichlorobenzene	12.377	146	8607	4.62	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.983	75	1661	4.74	ug/l	81
89) 1,2,4-Trichlorobenzene	13.630	180	5166	4.41	ug/l	96
90) Hexachlorobutadiene	13.765	225	2282	4.61	ug/l	99
91) Naphthalene	13.818	128	16049	4.11	ug/l	98
92) 1,2,3-Trichlorobenzene	14.001	180	5156	4.40	ug/l	99

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

