

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031221\
 Data File : VX021182.D
 Acq On : 12 Mar 2021 15:02
 Operator : JC/MD
 Sample : VX0312WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 3:18:52 PM

Quant Time: Mar 13 01:06:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X031221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 12 12:55:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.976	128	14911	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.823	114	81315	30.00	ug/l	# 0.00
57) Chlorobenzene-d5	10.094	117	75566	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	42359	30.86	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.87%	
60) 4-Bromofluorobenzene	11.118	95	40971	29.65	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.83%	
63) Toluene-d8	8.694	98	104226	30.40	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.33%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.187	85	17606	17.99	ug/l	95
3) Chloromethane	1.317	50	18055	17.73	ug/l	99
4) Vinyl Chloride	1.393	62	17680	17.37	ug/l	99
5) Bromomethane	1.623	94	11839	19.59	ug/l	93
6) Chloroethane	1.711	64	10955	17.43	ug/l	97
7) Trichlorofluoromethane	1.917	101	28380	17.88	ug/l	99
8) Diethyl Ether	2.170	74	10046	18.78	ug/l	74
9) 1,1,2-Trichlorotrifluo...	2.364	101	15838	18.53	ug/l	94
10) 1,1-Dichloroethene	2.352	96	14753	17.85	ug/l	84
11) Methyl Iodide	2.487	142	18725	17.12	ug/l	89
12) Methyl Acetate	2.746	43	26778	19.20	ug/l	# 85
13) Acrolein	2.276	56	14778	83.66	ug/l	97
14) Acrylonitrile	3.111	53	50124	95.57	ug/l	98
15) Acetone	2.417	58	13286	94.60	ug/l	70
16) Carbon Disulfide	2.546	76	43243	17.82	ug/l	100
17) Allyl chloride	2.705	41	31513	17.95	ug/l	86
18) Methylene Chloride	2.834	84	18558	18.50	ug/l	# 85
19) trans-1,2-Dichloroethene	3.140	96	16424	17.90	ug/l	# 84
20) Diisopropyl ether	3.817	45	63671	18.63	ug/l	# 80
21) 1,1-Dichloroethane	3.670	63	33218	18.23	ug/l	95
22) cis-1,2-Dichloroethene	4.558	96	19985	18.74	ug/l	90
23) tert-Butyl Alcohol	3.011	59	21743	93.33	ug/l	# 100
24) Methyl tert-Butyl Ether	3.164	73	59000	18.70	ug/l	# 84
25) Chloroform	5.176	83	34629	18.23	ug/l	95
26) Cyclohexane	5.547	56	29708	18.36	ug/l	# 87
29) 1,1-Dichloropropene	5.764	75	24924	18.38	ug/l	97
30) 2-Butanone	4.635	43	72770	96.06	ug/l	92
31) 2,2-Dichloropropane	4.546	77	27655	18.17	ug/l	95
32) 1,1,1-Trichloroethane	5.458	97	30357	18.36	ug/l	94
33) Carbon Tetrachloride	5.752	117	26139	18.03	ug/l	97
34) Benzene	6.105	78	71324	18.36	ug/l	# 96
35) Methacrylonitrile	4.999	41	16467	19.12	ug/l	91
36) 1,2-Dichloroethane	6.158	62	31348	18.70	ug/l	# 94
37) Trichloroethene	7.182	130	18585	18.26	ug/l	92
38) Methylcyclohexane	7.435	83	29134	19.02	ug/l	92
39) 1,2-Dichloropropane	7.488	63	20022	19.01	ug/l	97
40) Dibromomethane	7.635	93	13891	18.62	ug/l	90
41) Bromodichloromethane	7.870	83	28567	18.32	ug/l	98
42) Vinyl Acetate	3.782	43	267435	93.31	ug/l	# 92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.788	43	28678	18.97	ug/l	99
44) Isopropyl Acetate	6.406	43	47361	18.82	ug/l	92
45) 1,4-Dioxane	7.712	88	9010	383.95	ug/l #	81
46) Methyl methacrylate	7.741	41	25803	19.12	ug/l	83
47) n-amyl Acetate	10.877	43	41128	18.72	ug/l	92
48) t-1,3-Dichloropropene	9.024	75	29116	18.16	ug/l	99
49) cis-1,3-Dichloropropene	8.412	75	31111	18.22	ug/l #	85
50) 1,1,2-Trichloroethane	9.194	97	18222	18.27	ug/l	94
51) Ethyl methacrylate	9.159	69	29411	18.60	ug/l #	76
52) 1,3-Dichloropropane	9.347	76	33087	19.07	ug/l	98
53) Dibromochloromethane	9.565	129	21042	18.26	ug/l	98
54) 1,2-Dibromoethane	9.653	107	19646	18.63	ug/l	97
55) 2-Chloroethyl vinyl ether	8.288	63	79658	95.80	ug/l	96
56) Bromoform	10.841	173	14773	18.15	ug/l	98
58) 4-Methyl-2-Pentanone	8.618	43	148635	97.15	ug/l #	89
59) 2-Hexanone	9.471	43	111479	96.69	ug/l	87
61) Tetrachloroethene	9.318	164	18690	19.09	ug/l	91
62) Toluene	8.765	91	77215	18.44	ug/l	98
64) Chlorobenzene	10.118	112	47689	18.42	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.206	131	18343	18.66	ug/l	100
66) Ethyl Benzene	10.235	91	87813	18.23	ug/l	97
67) m/p-Xylenes	10.341	106	63247	36.47	ug/l	92
68) o-Xylene	10.683	106	30840	18.37	ug/l	91
69) Styrene	10.694	104	51405	18.05	ug/l	91
70) Isopropylbenzene	11.000	105	83758	18.24	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.247	83	27638	18.98	ug/l	100
72) 1,2,3-Trichloropropane	11.277	75	28334m	19.12	ug/l	
73) Bromobenzene	11.236	156	20113	18.48	ug/l	91
74) n-propylbenzene	11.341	91	100382	18.41	ug/l	97
75) 2-Chlorotoluene	11.406	91	59758	18.20	ug/l	96
76) 1,3,5-Trimethylbenzene	11.489	105	71942	18.42	ug/l	98
77) t-1,4-Dichloro-2-butene	11.059	75	8538	17.54	ug/l	88
78) 4-Chlorotoluene	11.494	91	69660	18.22	ug/l	98
79) tert-butylbenzene	11.753	119	65602	18.14	ug/l	91
80) 1,2,4-Trimethylbenzene	11.789	105	72064	18.37	ug/l	97
81) sec-Butylbenzene	11.930	105	80640	18.50	ug/l	99
82) p-Isopropyltoluene	12.047	119	70304	17.76	ug/l	96
83) 1,3-Dichlorobenzene	12.006	146	35620	18.29	ug/l	97
84) 1,4-Dichlorobenzene	12.077	146	34085	17.45	ug/l	96
85) n-Butylbenzene	12.371	91	66339	18.08	ug/l	96
86) Hexachloroethane	12.577	117	12378	16.94	ug/l	96
87) 1,2-Dichlorobenzene	12.377	146	34460	18.06	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	6533	18.02	ug/l #	79
89) 1,2,4-Trichlorobenzene	13.630	180	21211	17.66	ug/l	99
90) Hexachlorobutadiene	13.765	225	9715	18.58	ug/l	97
91) Naphthalene	13.818	128	70270	18.10	ug/l	100
92) 1,2,3-Trichlorobenzene	14.001	180	21583	18.47	ug/l	98

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

