

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032621\
 Data File : VX021533.D
 Acq On : 26 Mar 2021 15:11
 Operator : JC/MD
 Sample : VX0326WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Manual Integrations
 APPROVED

SAM
 3/30/2021 7:14:18 PM

Quant Time: Mar 27 04:51:41 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	4.976	128	14130	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.823	114	77291	30.00	ug/l	-0.01
57) Chlorobenzene-d5	10.094	117	70852	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.023	65	38782	29.39	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.97%		
60) 4-Bromofluorobenzene	11.118	95	37470	30.07	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.23%		
63) Toluene-d8	8.694	98	99395	31.23	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.10%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	25520	19.41	ug/l	99
3) Chloromethane	1.311	50	22113	18.42	ug/l	98
4) Vinyl Chloride	1.393	62	19404	18.19	ug/l	96
5) Bromomethane	1.623	94	8953	20.87	ug/l	95
6) Chloroethane	1.705	64	11371	17.85	ug/l	92
7) Trichlorofluoromethane	1.911	101	30048	18.76	ug/l	99
8) Diethyl Ether	2.170	74	9741	18.48	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.364	101	16470	18.54	ug/l	96
10) 1,1-Dichloroethene	2.352	96	14971	17.79	ug/l	87
11) Methyl Iodide	2.487	142	12176	17.36	ug/l	94
12) Methyl Acetate	2.746	43	32553	18.92	ug/l #	89
13) Acrolein	2.270	56	13157	81.12	ug/l	99
14) Acrylonitrile	3.117	53	47954	89.42	ug/l	98
15) Acetone	2.423	58	12630	88.89	ug/l	72
16) Carbon Disulfide	2.546	76	42588	18.10	ug/l	99
17) Allyl chloride	2.705	41	29736	18.21	ug/l	84
18) Methylene Chloride	2.835	84	18010	18.10	ug/l #	87
19) trans-1,2-Dichloroethene	3.140	96	16629	18.29	ug/l	88
20) Diisopropyl ether	3.823	45	59218	18.16	ug/l	96
21) 1,1-Dichloroethane	3.664	63	32122	18.11	ug/l	97
22) cis-1,2-Dichloroethene	4.558	96	18859	17.94	ug/l	89
23) tert-Butyl Alcohol	3.011	59	19720m	86.64	ug/l	
24) Methyl tert-Butyl Ether	3.164	73	55703	18.08	ug/l #	87
25) Chloroform	5.170	83	34099	18.10	ug/l	99
26) Cyclohexane	5.541	56	28244	18.44	ug/l #	89
29) 1,1-Dichloropropene	5.764	75	24152	18.52	ug/l	98
30) 2-Butanone	4.629	43	69518	91.22	ug/l	93
31) 2,2-Dichloropropane	4.547	77	27169	18.68	ug/l	97
32) 1,1,1-Trichloroethane	5.458	97	29911	18.56	ug/l	94
33) Carbon Tetrachloride	5.753	117	26328	18.43	ug/l	96
34) Benzene	6.111	78	70239	18.88	ug/l	96
35) Methacrylonitrile	5.000	41	15163	18.09	ug/l	91
36) 1,2-Dichloroethane	6.153	62	30523	19.16	ug/l #	92
37) Trichloroethene	7.182	130	17607	18.23	ug/l	98
38) Methylcyclohexane	7.435	83	27126	18.78	ug/l	91
39) 1,2-Dichloropropane	7.488	63	18366	18.50	ug/l	97
40) Dibromomethane	7.635	93	13249	18.27	ug/l	92
41) Bromodichloromethane	7.870	83	27247	18.27	ug/l	100
42) Vinyl Acetate	3.782	43	237320	90.67	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.788	43	27447	18.91	ug/l	100
44) Isopropyl Acetate	6.411	43	43926	18.08	ug/l #	90
45) 1,4-Dioxane	7.718	88	8800	364.08	ug/l #	84
46) Methyl methacrylate	7.741	41	23953	17.98	ug/l	84
47) n-amyl Acetate	10.877	43	37712	17.95	ug/l	95
48) t-1,3-Dichloropropene	9.018	75	26717	17.77	ug/l	99
49) cis-1,3-Dichloropropene	8.412	75	29306	18.20	ug/l #	79
50) 1,1,2-Trichloroethane	9.194	97	17965	18.45	ug/l	98
51) Ethyl methacrylate	9.153	69	24980	17.55	ug/l #	74
52) 1,3-Dichloropropane	9.347	76	30541	18.35	ug/l	99
53) Dibromochloromethane	9.565	129	20377	18.36	ug/l	98
54) 1,2-Dibromoethane	9.653	107	19307	18.46	ug/l	97
55) 2-Chloroethyl vinyl ether	8.288	63	72573	91.68	ug/l	97
56) Bromoform	10.841	173	13854	17.67	ug/l	98
58) 4-Methyl-2-Pentanone	8.618	43	139796	93.47	ug/l #	89
59) 2-Hexanone	9.471	43	105652	94.06	ug/l	87
61) Tetrachloroethene	9.318	164	16647	19.36	ug/l	94
62) Toluene	8.765	91	74957	18.79	ug/l	98
64) Chlorobenzene	10.118	112	45952	18.89	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.200	131	17813	18.51	ug/l	98
66) Ethyl Benzene	10.236	91	84420	18.92	ug/l	99
67) m/p-Xylenes	10.341	106	60921	37.12	ug/l	93
68) o-Xylene	10.683	106	29636	18.69	ug/l	91
69) Styrene	10.694	104	48940	18.47	ug/l	93
70) Isopropylbenzene	11.000	105	82233	19.02	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.253	83	27988	18.91	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	27676m	19.55	ug/l	
73) Bromobenzene	11.236	156	20200	19.38	ug/l	96
74) n-propylbenzene	11.342	91	95990	18.92	ug/l	98
75) 2-Chlorotoluene	11.406	91	58810	19.05	ug/l	96
76) 1,3,5-Trimethylbenzene	11.489	105	70019	19.00	ug/l	98
77) t-1,4-Dichloro-2-butene	11.059	75	7894	17.47	ug/l	86
78) 4-Chlorotoluene	11.495	91	68690	19.08	ug/l	98
79) tert-butylbenzene	11.753	119	65832	18.78	ug/l	95
80) 1,2,4-Trimethylbenzene	11.789	105	71307	19.36	ug/l	98
81) sec-Butylbenzene	11.930	105	77306	19.00	ug/l	99
82) p-Isopropyltoluene	12.048	119	70563	19.00	ug/l	96
83) 1,3-Dichlorobenzene	12.006	146	35009	18.74	ug/l	98
84) 1,4-Dichlorobenzene	12.083	146	35192	18.82	ug/l	99
85) n-Butylbenzene	12.371	91	61372	18.54	ug/l	98
86) Hexachloroethane	12.577	117	12159	18.59	ug/l	90
87) 1,2-Dichlorobenzene	12.377	146	34613	18.81	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	6175	17.83	ug/l	85
89) 1,2,4-Trichlorobenzene	13.630	180	21573	18.64	ug/l	95
90) Hexachlorobutadiene	13.765	225	9888	20.21	ug/l	93
91) Naphthalene	13.818	128	69499	18.03	ug/l	99
92) 1,2,3-Trichlorobenzene	14.001	180	21888	18.92	ug/l	97

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

