

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
 Data File : VX020917.D
 Acq On : 25 Feb 2021 17:28
 Operator : JC/MD
 Sample : VX0225WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0225WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 2:31:08 PM

Quant Time: Feb 25 18:18:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 25 13:26:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.970	128	35280	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.823	114	200112	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	177058	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.023	65	74224	29.87	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.57%	
60) 4-Bromofluorobenzene	11.118	95	86194	29.43	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.10%	
63) Toluene-d8	8.694	98	235215	29.17	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	97.23%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.181	85	41311	20.80	ug/l	96
3) Chloromethane	1.311	50	44294	20.87	ug/l	98
4) Vinyl Chloride	1.393	62	53653	21.35	ug/l	100
5) Bromomethane	1.623	94	17873	18.89	ug/l	98
6) Chloroethane	1.699	64	33542	21.07	ug/l	98
7) Trichlorofluoromethane	1.905	101	70643	21.76	ug/l	98
8) Diethyl Ether	2.170	74	31322	21.39	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.358	101	43688	21.59	ug/l	98
10) 1,1-Dichloroethene	2.346	96	44532	21.35	ug/l	94
11) Methyl Iodide	2.487	142	54736	21.17	ug/l	89
12) Methyl Acetate	2.746	43	47817	20.73	ug/l	94
13) Acrolein	2.270	56	26377	80.48	ug/l	98
14) Acrylonitrile	3.111	53	117025	101.74	ug/l	100
15) Acetone	2.423	58	37327	107.98	ug/l	95
16) Carbon Disulfide	2.546	76	125753	21.36	ug/l	99
17) Allyl chloride	2.699	41	67974	20.66	ug/l	98
18) Methylene Chloride	2.829	84	51127	21.70	ug/l	96
19) trans-1,2-Dichloroethene	3.135	96	49189	21.27	ug/l	97
20) Diisopropyl ether	3.823	45	142143	21.31	ug/l	94
21) 1,1-Dichloroethane	3.664	63	84811	21.44	ug/l	98
22) cis-1,2-Dichloroethene	4.558	96	57116	21.60	ug/l	96
23) tert-Butyl Alcohol	3.023	59	51702	99.02	ug/l	100
24) Methyl tert-Butyl Ether	3.164	73	155088	21.21	ug/l	99
25) Chloroform	5.170	83	87549	21.62	ug/l	96
26) Cyclohexane	5.541	56	76151	21.27	ug/l #	97
29) 1,1-Dichloropropene	5.758	75	67063	21.38	ug/l	99
30) 2-Butanone	4.635	43	157221	101.40	ug/l	99
31) 2,2-Dichloropropane	4.547	77	77240	21.35	ug/l	100
32) 1,1,1-Trichloroethane	5.458	97	75096	21.31	ug/l	100
33) Carbon Tetrachloride	5.747	117	63682	20.85	ug/l	97
34) Benzene	6.106	78	201046	21.33	ug/l	98
35) Methacrylonitrile	5.000	41	33794	20.30	ug/l	98
36) 1,2-Dichloroethane	6.153	62	67417	21.28	ug/l	98
37) Trichloroethene	7.182	130	52854	20.73	ug/l	99
38) Methylcyclohexane	7.435	83	82974	20.81	ug/l	99
39) 1,2-Dichloropropane	7.488	63	49443	21.21	ug/l	98
40) Dibromomethane	7.635	93	33608	20.95	ug/l	98
41) Bromodichloromethane	7.870	83	70096	20.93	ug/l	94
42) Vinyl Acetate	3.782	43	593703	102.81	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.788	43	59558	20.21	ug/l	100
44) Isopropyl Acetate	6.406	43	100471	20.11	ug/l	100
45) 1,4-Dioxane	7.712	88	23509	408.63	ug/l	99
46) Methyl methacrylate	7.741	41	50487	20.35	ug/l	99
47) n-amyl Acetate	10.877	43	82349	20.04	ug/l	98
48) t-1,3-Dichloropropene	9.018	75	77159	20.65	ug/l	98
49) cis-1,3-Dichloropropene	8.412	75	84830	20.81	ug/l	97
50) 1,1,2-Trichloroethane	9.194	97	49898	21.18	ug/l	99
51) Ethyl methacrylate	9.159	69	75176	20.41	ug/l	98
52) 1,3-Dichloropropane	9.353	76	84460	21.20	ug/l	99
53) Dibromochloromethane	9.565	129	52316	20.97	ug/l	98
54) 1,2-Dibromoethane	9.653	107	50537	20.66	ug/l	95
55) 2-Chloroethyl vinyl ether	8.288	63	169579	97.43	ug/l	99
56) Bromoform	10.836	173	36131	20.53	ug/l	98
58) 4-Methyl-2-Pentanone	8.618	43	286887	98.97	ug/l	99
59) 2-Hexanone	9.471	43	217489	98.59	ug/l	99
61) Tetrachloroethene	9.318	164	46478	21.30	ug/l	92
62) Toluene	8.759	91	210661	20.71	ug/l	98
64) Chlorobenzene	10.118	112	129794	20.78	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.200	131	47345	20.74	ug/l	97
66) Ethyl Benzene	10.235	91	232494	20.52	ug/l	99
67) m/p-Xylenes	10.341	106	178367	42.37	ug/l	95
68) o-Xylene	10.683	106	84573	21.11	ug/l	99
69) Styrene	10.694	104	144184	20.62	ug/l	99
70) Isopropylbenzene	11.000	105	225917	20.93	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.253	83	68966	20.41	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	59475m	19.50	ug/l	
73) Bromobenzene	11.236	156	50785	20.12	ug/l	92
74) n-propylbenzene	11.342	91	257404	20.81	ug/l	100
75) 2-Chlorotoluene	11.400	91	151685	20.55	ug/l	98
76) 1,3,5-Trimethylbenzene	11.489	105	185741	20.88	ug/l	97
77) t-1,4-Dichloro-2-butene	11.053	75	23970	18.83	ug/l	94
78) 4-Chlorotoluene	11.494	91	176596	20.97	ug/l	98
79) tert-butylbenzene	11.753	119	181728	21.32	ug/l	99
80) 1,2,4-Trimethylbenzene	11.789	105	189853	21.01	ug/l	99
81) sec-Butylbenzene	11.930	105	217365	21.09	ug/l	100
82) p-Isopropyltoluene	12.047	119	195573	20.97	ug/l	99
83) 1,3-Dichlorobenzene	12.006	146	94228	20.33	ug/l	98
84) 1,4-Dichlorobenzene	12.083	146	95665	21.07	ug/l	99
85) n-Butylbenzene	12.371	91	173556	20.60	ug/l	98
86) Hexachloroethane	12.577	117	36140	20.54	ug/l	88
87) 1,2-Dichlorobenzene	12.371	146	90993	20.81	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.983	75	14693	19.27	ug/l	98
89) 1,2,4-Trichlorobenzene	13.630	180	63582	22.08	ug/l	96
90) Hexachlorobutadiene	13.765	225	23809	20.20	ug/l	98
91) Naphthalene	13.818	128	207387	20.55	ug/l	100
92) 1,2,3-Trichlorobenzene	14.001	180	60620	20.99	ug/l	98

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

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