

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090821\
 Data File : VN068430.D
 Acq On : 8 Sep 2021 10:36
 Operator : JC/MD
 Sample : VN0908WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0908WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2021 10:50:50 AM

Quant Time: Sep 09 03:30:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 03 13:24:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	105611	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	551688	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.747	117	491244	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	195084	31.157	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.867%	
60) 4-Bromofluorobenzene	12.734	95	209639	30.135	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.433%	
63) Toluene-d8	10.446	98	664179	30.361	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.078	85	98638	18.446	ug/l	98
3) Chloromethane	2.309	50	90869	18.781	ug/l	100
4) Vinyl Chloride	2.448	62	151527	21.017	ug/l	96
5) Bromomethane	2.856	94	154995	23.446	ug/l	93
6) Chloroethane	3.022	64	112533	21.880	ug/l	91
7) Trichlorofluoromethane	3.379	101	194512	19.725	ug/l	100
8) Diethyl Ether	3.832	74	59785	19.086	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.218	101	108166	19.292	ug/l	84
10) 1,1-Dichloroethene	4.189	96	98363	18.672	ug/l	# 76
11) Methyl Iodide	4.430	142	142943	16.867	ug/l	88
12) Methyl Acetate	4.859	43	105156	19.833	ug/l	# 79
13) Acrolein	4.047	56	49581	104.331	ug/l	100
14) Acrylonitrile	5.557	53	208003	96.744	ug/l	98
15) Acetone	4.291	58	67576	106.935	ug/l	77
16) Carbon Disulfide	4.540	76	258801	18.800	ug/l	99
17) Allyl chloride	4.849	41	127146	19.704	ug/l	91
18) Methylene Chloride	5.103	84	108823	18.875	ug/l	# 81
19) trans-1,2-Dichloroethene	5.605	96	111400	18.971	ug/l	# 73
20) Diisopropyl ether	6.495	45	272363	19.313	ug/l	# 91
21) 1,1-Dichloroethane	6.391	63	182669	19.586	ug/l	94
22) cis-1,2-Dichloroethene	7.329	96	131342	19.249	ug/l	# 77
23) tert-Butyl Alcohol	5.361	59	88066m	111.595	ug/l	
24) Methyl tert-Butyl Ether	5.618	73	332034	19.400	ug/l	# 88
25) Chloroform	7.820	83	217725	19.876	ug/l	99
26) Cyclohexane	8.099	56	158219	19.367	ug/l	# 78
29) 1,1-Dichloropropene	8.225	75	150393	19.002	ug/l	90
30) 2-Butanone	7.335	43	282444	99.745	ug/l	# 88
31) 2,2-Dichloropropane	7.329	77	174556	19.367	ug/l	94
32) 1,1,1-Trichloroethane	8.019	97	205599	19.779	ug/l	93
33) Carbon Tetrachloride	8.212	117	184295	19.189	ug/l	95
34) Benzene	8.464	78	450711	19.266	ug/l	# 92
35) Methacrylonitrile	7.635	41	54953	19.865	ug/l	84
36) 1,2-Dichloroethane	8.534	62	154424	19.714	ug/l	# 93
37) Trichloroethene	9.218	130	143157	19.144	ug/l	# 75
38) Methylcyclohexane	9.464	83	199463	19.414	ug/l	85
39) 1,2-Dichloropropane	9.491	63	106256	19.159	ug/l	99
40) Dibromomethane	9.577	93	85659	19.518	ug/l	79
41) Bromodichloromethane	9.765	83	167197	19.719	ug/l	# 98
42) Vinyl Acetate	6.436	43	1021943	95.422	ug/l	# 91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	110570	19.637	ug/l #	70
44) Isopropyl Acetate	8.560	43	198340	19.389	ug/l	91
45) 1,4-Dioxane	9.569	88	37060	405.288	ug/l #	83
46) Methyl methacrylate	9.561	41	78009	18.037	ug/l	83
47) n-amyl Acetate	12.390	43	124328	17.764	ug/l	91
48) t-1,3-Dichloropropene	10.719	75	157519	18.876	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	174361	18.944	ug/l #	82
50) 1,1,2-Trichloroethane	10.899	97	121255	19.585	ug/l	96
51) Ethyl methacrylate	10.762	69	150700	18.932	ug/l	82
52) 1,3-Dichloropropane	11.047	76	181686	19.436	ug/l	98
53) Dibromochloromethane	11.240	129	142320	19.074	ug/l	98
54) 1,2-Dibromoethane	11.347	107	123699	19.115	ug/l	98
55) 2-Chloroethyl vinyl ether	10.044	63	51184	94.596	ug/l #	90
56) Bromoform	12.463	173	101129	17.711	ug/l #	100
58) 4-Methyl-2-Pentanone	10.333	43	567666	99.304	ug/l #	89
59) 2-Hexanone	11.087	43	391625	98.719	ug/l	89
61) Tetrachloroethene	10.980	164	144618	19.041	ug/l	90
62) Toluene	10.508	91	529949	19.661	ug/l	98
64) Chlorobenzene	11.773	112	327400	18.840	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	131806	18.944	ug/l	98
66) Ethyl Benzene	11.846	91	552486	19.042	ug/l	92
67) m/p-Xylenes	11.956	106	458960	38.579	ug/l	78
68) o-Xylene	12.283	106	219864	19.080	ug/l	77
69) Styrene	12.296	104	336776	18.512	ug/l #	90
70) Isopropylbenzene	12.581	105	565577	19.056	ug/l	94
71) 1,1,2,2-Tetrachloroethane	12.830	83	149303	19.671	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	110189m	17.709	ug/l	
73) Bromobenzene	12.862	156	149574	18.210	ug/l	54
74) n-propylbenzene	12.921	91	599769	18.708	ug/l	88
75) 2-Chlorotoluene	13.010	91	366719	19.275	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	466895	19.014	ug/l	92
77) t-1,4-Dichloro-2-butene	12.629	75	34898	18.499	ug/l	83
78) 4-Chlorotoluene	13.106	91	350151	18.771	ug/l	83
79) tert-butylbenzene	13.326	119	424011	18.888	ug/l	80
80) 1,2,4-Trimethylbenzene	13.503	105	554790	23.261	ug/l	100
81) sec-Butylbenzene	13.503	105	554790	18.409	ug/l	90
82) p-Isopropyltoluene	13.619	119	468729	18.073	ug/l	90
83) 1,3-Dichlorobenzene	13.616	146	257715	17.768	ug/l	91
84) 1,4-Dichlorobenzene	13.696	146	238646	17.066	ug/l	92
85) n-Butylbenzene	13.943	91	322731	16.689	ug/l	95
86) Hexachloroethane	14.211	117	79324	18.081	ug/l	74
87) 1,2-Dichlorobenzene	13.991	146	246828	17.903	ug/l	92
88) 1,2-Dibromo-3-Chloropr...	14.606	75	25295	19.255	ug/l #	34
89) 1,2,4-Trichlorobenzene	15.265	180	111828	15.100	ug/l	97
90) Hexachlorobutadiene	15.373	225	73695	16.933	ug/l	98
91) Naphthalene	15.507	128	210358	13.437	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	103646	14.714	ug/l	95

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

