

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090321\
 Data File : VN068408.D
 Acq On : 3 Sep 2021 15:38
 Operator : JC/MD
 Sample : VN0903WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Manual Integrations
 APPROVED

MMDadoda

9/7/2021 4:39:16 PM

Quant Time: Sep 04 03:11:30 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	113874	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	583729	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.746	117	525248	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	213112	31.567	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.233%			
60) 4-Bromofluorobenzene	12.733	95	230154	30.942	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.133%			
63) Toluene-d8	10.443	98	715471	30.588	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.967%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.078	85	105925	18.371	ug/l	99
3) Chloromethane	2.309	50	95571	18.320	ug/l	99
4) Vinyl Chloride	2.448	62	143555	18.467	ug/l	96
5) Bromomethane	2.850	94	145889	20.467	ug/l	94
6) Chloroethane	3.019	64	105302m	18.988	ug/l	
7) Trichlorofluoromethane	3.379	101	192195	18.076	ug/l	98
8) Diethyl Ether	3.832	74	63442	18.784	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.221	101	108428	17.936	ug/l	82
10) 1,1-Dichloroethene	4.191	96	98735	17.383	ug/l #	78
11) Methyl Iodide	4.433	142	149332	16.342	ug/l	85
12) Methyl Acetate	4.859	43	107156	18.744	ug/l #	81
13) Acrolein	4.049	56	42633	83.201	ug/l	97
14) Acrylonitrile	5.554	53	216313	93.308	ug/l	100
15) Acetone	4.288	58	62290	91.418	ug/l	72
16) Carbon Disulfide	4.537	76	257819	17.370	ug/l	98
17) Allyl chloride	4.851	41	127456	18.319	ug/l	91
18) Methylene Chloride	5.103	84	116582	18.753	ug/l #	82
19) trans-1,2-Dichloroethene	5.602	96	110890	17.514	ug/l #	75
20) Diisopropyl ether	6.498	45	286615	18.849	ug/l #	93
21) 1,1-Dichloroethane	6.393	63	185580	18.455	ug/l	94
22) cis-1,2-Dichloroethene	7.326	96	129515	17.604	ug/l #	80
23) tert-Butyl Alcohol	5.366	59	104369	122.657	ug/l #	100
24) Methyl tert-Butyl Ether	5.615	73	343128	18.593	ug/l #	88
25) Chloroform	7.820	83	212775	18.015	ug/l	99
26) Cyclohexane	8.099	56	158902	18.039	ug/l #	79
29) 1,1-Dichloropropene	8.225	75	151186	18.054	ug/l	91
30) 2-Butanone	7.335	43	284930	95.100	ug/l #	88
31) 2,2-Dichloropropane	7.329	77	169350	17.758	ug/l	92
32) 1,1,1-Trichloroethane	8.018	97	198088	18.010	ug/l	92
33) Carbon Tetrachloride	8.209	117	177612	17.478	ug/l	98
34) Benzene	8.461	78	451655	18.247	ug/l #	94
35) Methacrylonitrile	7.638	41	59104	20.193	ug/l	84
36) 1,2-Dichloroethane	8.531	62	157025	18.946	ug/l #	93
37) Trichloroethene	9.217	130	141573	17.893	ug/l #	73
38) Methylcyclohexane	9.461	83	192028	17.664	ug/l	86
39) 1,2-Dichloropropane	9.491	63	105909	18.048	ug/l	99
40) Dibromomethane	9.579	93	87451	18.832	ug/l	76
41) Bromodichloromethane	9.764	83	165531	18.450	ug/l #	99
42) Vinyl Acetate	6.433	43	1072596	94.655	ug/l #	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090321\
 Data File : VN068408.D
 Acq On : 3 Sep 2021 15:38
 Operator : JC/MD
 Sample : VN0903WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Manual Integrations
 APPROVED

MMDadoda

9/7/2021 4:39:16 PM

Quant Time: Sep 04 03:11:30 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)
43) Ethyl Acetate	7.412	43	116106	19.488	ug/l #	71
44) Isopropyl Acetate	8.560	43	205329	18.970	ug/l	91
45) 1,4-Dioxane	9.571	88	39566	408.943	ug/l	86
46) Methyl methacrylate	9.561	41	84267	18.414	ug/l	82
47) n-amyl Acetate	12.387	43	136473	18.429	ug/l #	90
48) t-1,3-Dichloropropene	10.719	75	162302	18.382	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	176401	18.114	ug/l #	85
50) 1,1,2-Trichloroethane	10.902	97	121533	18.552	ug/l	96
51) Ethyl methacrylate	10.762	69	154480	18.341	ug/l	84
52) 1,3-Dichloropropane	11.046	76	188304	19.038	ug/l	100
53) Dibromochloromethane	11.239	129	141401	17.911	ug/l	98
54) 1,2-Dibromoethane	11.347	107	127680	18.647	ug/l	99
55) 2-Chloroethyl vinyl ether	10.041	63	62371	101.929	ug/l #	93
56) Bromoform	12.460	173	105735	17.502	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	599691	98.115	ug/l #	89
59) 2-Hexanone	11.087	43	412106	97.156	ug/l	89
61) Tetrachloroethene	10.979	164	142506	17.548	ug/l	91
62) Toluene	10.507	91	531079	18.427	ug/l	99
64) Chlorobenzene	11.773	112	340947	18.350	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.843	131	135485	18.212	ug/l	99
66) Ethyl Benzene	11.846	91	562578	18.135	ug/l	93
67) m/p-Xylenes	11.956	106	463597	36.446	ug/l	78
68) o-Xylene	12.283	106	223760	18.161	ug/l	78
69) Styrene	12.296	104	349818	17.984	ug/l #	90
70) Isopropylbenzene	12.580	105	577827	18.209	ug/l	94
71) 1,1,2,2-Tetrachloroethane	12.830	83	156981	19.343	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	131874m	19.822	ug/l	
73) Bromobenzene	12.862	156	156736	17.847	ug/l	52
74) n-propylbenzene	12.924	91	625808	18.257	ug/l	89
75) 2-Chlorotoluene	13.010	91	375712	18.469	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.061	105	481309	18.332	ug/l	91
77) t-1,4-Dichloro-2-butene	12.629	75	36375	18.034	ug/l	85
78) 4-Chlorotoluene	13.106	91	369091	18.505	ug/l	82
79) tert-butylbenzene	13.326	119	435851	18.158	ug/l	81
80) 1,2,4-Trimethylbenzene	13.369	105	468796m	18.383	ug/l	
81) sec-Butylbenzene	13.503	105	579193	17.975	ug/l	90
82) p-Isopropyltoluene	13.618	119	492234	17.751	ug/l	89
83) 1,3-Dichlorobenzene	13.618	146	277624	17.902	ug/l	91
84) 1,4-Dichlorobenzene	13.696	146	267798	17.911	ug/l	92
85) n-Butylbenzene	13.946	91	350762	16.965	ug/l	94
86) Hexachloroethane	14.211	117	80006	17.056	ug/l	73
87) 1,2-Dichlorobenzene	13.991	146	266112	18.052	ug/l	91
88) 1,2-Dibromo-3-Chloropr...	14.603	75	26363	18.769	ug/l #	33
89) 1,2,4-Trichlorobenzene	15.265	180	124165	15.681	ug/l	96
90) Hexachlorobutadiene	15.372	225	80910	17.387	ug/l	94
91) Naphthalene	15.509	128	263389	15.736	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	117596	15.614	ug/l	95

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

