

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091321\
 Data File : VN068462.D
 Acq On : 13 Sep 2021 17:17
 Operator : JC/MD
 Sample : VN0913WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS01

Quant Time: Sep 14 04:27:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N091321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 14 04:23:31 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2021
 Supervised By : Mahesh Dadoda 09/14/2021

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

Internal Standards						
1) Bromochloromethane	7.662	128	111510	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	596641	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	550364	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	206211	31.313	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.367%			
60) 4-Bromofluorobenzene	12.734	95	238997	30.467	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.567%			
63) Toluene-d8	10.443	98	738955	30.864	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.867%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	99114	19.514	ug/l	100
3) Chloromethane	2.303	50	93354	19.001	ug/l	100
4) Vinyl Chloride	2.443	62	155511	19.971	ug/l	100
5) Bromomethane	2.856	94	153509	19.847	ug/l	98
6) Chloroethane	3.019	64	109719	19.741	ug/l	100
7) Trichlorofluoromethane	3.373	101	184003	19.170	ug/l	99
8) Diethyl Ether	3.827	74	57189	18.890	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.213	101	103724	18.971	ug/l	87
10) 1,1-Dichloroethene	4.189	96	93232	18.347	ug/l	99
11) Methyl Iodide	4.425	142	132877	16.841	ug/l	98
12) Methyl Acetate	4.854	43	102379m	19.373	ug/l	
13) Acrolein	4.041	56	37581	88.408	ug/l	96
14) Acrylonitrile	5.559	53	212384	92.725	ug/l	99
15) Acetone	4.288	58	61865	99.111	ug/l	100
16) Carbon Disulfide	4.535	76	237168	18.085	ug/l	98
17) Allyl chloride	4.846	41	119892	18.895	ug/l	99
18) Methylene Chloride	5.101	84	111038	18.254	ug/l	98
19) trans-1,2-Dichloroethene	5.602	96	105122	18.463	ug/l	99
20) Diisopropyl ether	6.498	45	272051	19.330	ug/l	95
21) 1,1-Dichloroethane	6.388	63	176388	18.857	ug/l	98
22) cis-1,2-Dichloroethene	7.329	96	127947	18.690	ug/l	97
23) tert-Butyl Alcohol	5.374	59	85963m	92.871	ug/l	
24) Methyl tert-Butyl Ether	5.616	73	325408	18.806	ug/l	99
25) Chloroform	7.820	83	211998	18.937	ug/l	97
26) Cyclohexane	8.096	56	150572	19.040	ug/l #	99
29) 1,1-Dichloropropene	8.225	75	147345	18.426	ug/l	99
30) 2-Butanone	7.337	43	278595	91.278	ug/l #	97
31) 2,2-Dichloropropane	7.329	77	172107	18.702	ug/l	99
32) 1,1,1-Trichloroethane	8.019	97	201252	18.532	ug/l	99
33) Carbon Tetrachloride	8.209	117	185606	18.285	ug/l	97
34) Benzene	8.461	78	452577	18.559	ug/l	99
35) Methacrylonitrile	7.638	41	54025	18.353	ug/l	92
36) 1,2-Dichloroethane	8.531	62	154715	18.843	ug/l	99
37) Trichloroethene	9.217	130	142073	18.182	ug/l	99
38) Methylcyclohexane	9.462	83	193618	18.836	ug/l	99
39) 1,2-Dichloropropane	9.491	63	106266	18.515	ug/l	95
40) Dibromomethane	9.580	93	86634	18.372	ug/l	100
41) Bromodichloromethane	9.765	83	163856	17.980	ug/l	97
42) Vinyl Acetate	6.436	43	1042522	92.706	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.413	43	115532	17.946	ug/l #	83
44) Isopropyl Acetate	8.563	43	203824	18.497	ug/l	99
45) 1,4-Dioxane	9.569	88	40255	361.284	ug/l	98
46) Methyl methacrylate	9.561	41	89010	19.970	ug/l	99
47) n-amyl Acetate	12.390	43	136498	17.642	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	164199	17.796	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	176653	17.814	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	124063	18.206	ug/l	98
51) Ethyl methacrylate	10.762	69	156314	17.866	ug/l	97
52) 1,3-Dichloropropane	11.047	76	185899	18.344	ug/l	99
53) Dibromochloromethane	11.240	129	148864	17.766	ug/l	99
54) 1,2-Dibromoethane	11.347	107	131655	18.014	ug/l	99
55) 2-Chloroethyl vinyl ether	10.044	63	120052	81.056	ug/l	100
56) Bromoform	12.460	173	112089	16.655	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	604443	93.297	ug/l	100
59) 2-Hexanone	11.087	43	413772	92.151	ug/l	99
61) Tetrachloroethene	10.980	164	145399	18.374	ug/l	97
62) Toluene	10.508	91	541299	18.687	ug/l	100
64) Chlorobenzene	11.773	112	349118	18.274	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	140909	18.073	ug/l	99
66) Ethyl Benzene	11.846	91	581902	18.484	ug/l	100
67) m/p-Xylenes	11.956	106	491955	37.911	ug/l	100
68) o-Xylene	12.283	106	241146	18.822	ug/l	98
69) Styrene	12.296	104	375762	18.496	ug/l	99
70) Isopropylbenzene	12.583	105	619019	19.029	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	166569	18.811	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	145711m	19.767	ug/l	
73) Bromobenzene	12.862	156	165188	17.888	ug/l	97
74) n-propylbenzene	12.921	91	657114	18.731	ug/l	99
75) 2-Chlorotoluene	13.010	91	400688	18.978	ug/l	99
76) 1,3,5-Trimethylbenzene	13.061	105	519936	19.144	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	42163	17.334	ug/l	95
78) 4-Chlorotoluene	13.109	91	382379	18.872	ug/l	100
79) tert-butylbenzene	13.326	119	468437	18.774	ug/l	99
80) 1,2,4-Trimethylbenzene	13.372	105	502180m	19.112	ug/l	
81) sec-Butylbenzene	13.506	105	626971	19.010	ug/l	100
82) p-Isopropyltoluene	13.619	119	529871	18.730	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	293354	18.276	ug/l	100
84) 1,4-Dichlorobenzene	13.696	146	280247	18.225	ug/l	99
85) n-Butylbenzene	13.946	91	365886	18.184	ug/l	99
86) Hexachloroethane	14.211	117	94514	18.188	ug/l	100
87) 1,2-Dichlorobenzene	13.991	146	278647	18.065	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.606	75	26906	17.970	ug/l	96
89) 1,2,4-Trichlorobenzene	15.265	180	119525	16.038	ug/l	99
90) Hexachlorobutadiene	15.373	225	81097	17.206	ug/l	99
91) Naphthalene	15.509	128	243179	15.126	ug/l	100
92) 1,2,3-Trichlorobenzene	15.705	180	112175	15.983	ug/l	99

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

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