

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112621\
 Data File : VN069651.D
 Acq On : 26 Nov 2021 11:37
 Operator : JC/MD
 Sample : VN1126WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1126WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/29/2021
 Supervised By : Mahesh Dadoda 11/29/2021

Quant Time: Nov 29 00:15:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	189486	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1087591	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	990821	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	514789	31.325	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.433%			
60) 4-Bromofluorobenzene	12.731	95	466498	29.421	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.067%			
63) Toluene-d8	10.443	98	1382734	30.224	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.733%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	316687	22.618	ug/l	97
3) Chloromethane	2.306	50	331598	22.714	ug/l	95
4) Vinyl Chloride	2.451	62	317534	21.451	ug/l	99
5) Bromomethane	2.869	94	181213	19.114	ug/l	99
6) Chloroethane	3.027	64	192431	20.604	ug/l	96
7) Trichlorofluoromethane	3.381	101	426996	19.680	ug/l	97
8) Diethyl Ether	3.824	74	151164	22.071	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.207	101	232564m	23.164	ug/l	
10) 1,1-Dichloroethene	4.186	96	213557	22.553	ug/l	88
11) Methyl Iodide	4.422	142	291616	22.103	ug/l	99
12) Methyl Acetate	4.859	43	588498	21.580	ug/l	90
13) Acrolein	4.044	56	90573	120.798	ug/l	98
14) Acrylonitrile	5.556	53	787930	105.903	ug/l	99
15) Acetone	4.291	58	271043	109.330	ug/l	75
16) Carbon Disulfide	4.532	76	499064	21.085	ug/l	98
17) Allyl chloride	4.843	41	449599	22.339	ug/l	90
18) Methylene Chloride	5.101	84	263743	21.863	ug/l #	87
19) trans-1,2-Dichloroethene	5.599	96	229037	22.041	ug/l	89
20) Diisopropyl ether	6.498	45	948797	22.001	ug/l #	96
21) 1,1-Dichloroethane	6.388	63	491296	22.456	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	275934	21.410	ug/l	90
23) tert-Butyl Alcohol	5.374	59	256625	99.108	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	837402	22.066	ug/l	95
25) Chloroform	7.820	83	501273	22.159	ug/l	99
26) Cyclohexane	8.094	56	462850	22.282	ug/l #	86
29) 1,1-Dichloropropene	8.222	75	366780	22.092	ug/l	95
30) 2-Butanone	7.337	43	1238395	103.054	ug/l	91
31) 2,2-Dichloropropane	7.329	77	379499	21.622	ug/l	96
32) 1,1,1-Trichloroethane	8.016	97	414140	21.368	ug/l	94
33) Carbon Tetrachloride	8.204	117	347917	21.735	ug/l	98
34) Benzene	8.461	78	1097272	21.734	ug/l	95
35) Methacrylonitrile	7.638	41	234928	21.315	ug/l	89
36) 1,2-Dichloroethane	8.528	62	441242	22.669	ug/l	97
37) Trichloroethene	9.217	130	263724	21.622	ug/l	92
38) Methylcyclohexane	9.459	83	448792	21.850	ug/l	89
39) 1,2-Dichloropropane	9.491	63	293684	21.963	ug/l	99
40) Dibromomethane	9.577	93	193664	21.626	ug/l	96
41) Bromodichloromethane	9.764	83	360910	21.471	ug/l	96
42) Vinyl Acetate	6.436	43	3666401	107.961	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	472494	21.217	ug/l	95
44) Isopropyl Acetate	8.563	43	723652	20.843	ug/l	96
45) 1,4-Dioxane	9.571	88	107002	379.657	ug/l #	86
46) Methyl methacrylate	9.561	41	325634	20.364	ug/l	83
47) n-amyl Acetate	12.390	43	441663	16.566	ug/l	100
48) t-1,3-Dichloropropene	10.719	75	366563	20.321	ug/l	100
49) cis-1,3-Dichloropropene	10.188	75	414992	21.141	ug/l	93
50) 1,1,2-Trichloroethane	10.899	97	270224	21.249	ug/l	95
51) Ethyl methacrylate	10.762	69	428798	20.112	ug/l	91
52) 1,3-Dichloropropane	11.044	76	474757	21.613	ug/l	99
53) Dibromochloromethane	11.237	129	252442	20.774	ug/l	98
54) 1,2-Dibromoethane	11.347	107	269691	20.477	ug/l	96
55) 2-Chloroethyl vinyl ether	10.041	63	501281	103.362	ug/l	97
56) Bromoform	12.457	173	169667	19.470	ug/l #	98
58) 4-Methyl-2-Pentanone	10.330	43	2352640	108.171	ug/l #	94
59) 2-Hexanone	11.087	43	1648309	99.632	ug/l	95
61) Tetrachloroethene	10.977	164	248005	23.321	ug/l	94
62) Toluene	10.505	91	1187906	21.818	ug/l	99
64) Chlorobenzene	11.771	112	703010	21.521	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	251778	21.893	ug/l	100
66) Ethyl Benzene	11.846	91	1299720	21.566	ug/l	100
67) m/p-Xylenes	11.953	106	960486	42.910	ug/l	95
68) o-Xylene	12.280	106	475292	21.207	ug/l	96
69) Styrene	12.296	104	744751	20.496	ug/l	98
70) Isopropylbenzene	12.578	105	1248687	21.304	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	402243	20.797	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	369033m	19.586	ug/l	
73) Bromobenzene	12.859	156	285355	21.119	ug/l	94
74) n-propylbenzene	12.921	91	1401200	20.815	ug/l	99
75) 2-Chlorotoluene	13.007	91	867022	21.158	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	1025487	21.316	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	85872	16.884	ug/l	80
78) 4-Chlorotoluene	13.106	91	807623	20.580	ug/l	95
79) tert-butylbenzene	13.323	119	885017	20.913	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	971332m	20.698	ug/l	
81) sec-Butylbenzene	13.503	105	1199658	20.261	ug/l	99
82) p-Isopropyltoluene	13.618	119	957207	20.261	ug/l	100
83) 1,3-Dichlorobenzene	13.616	146	469017	20.303	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	438225	19.554	ug/l	98
85) n-Butylbenzene	13.943	91	726109	18.415	ug/l	99
86) Hexachloroethane	14.211	117	152942	19.560	ug/l	89
87) 1,2-Dichlorobenzene	13.989	146	458094	20.547	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	65447	19.330	ug/l	95
89) 1,2,4-Trichlorobenzene	15.265	180	185757	17.377	ug/l	96
90) Hexachlorobutadiene	15.370	225	127169	21.999	ug/l	99
91) Naphthalene	15.507	128	426340	13.844	ug/l	100
92) 1,2,3-Trichlorobenzene	15.702	180	175544	16.704	ug/l	98

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

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