

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102221\
 Data File : VN069137.D
 Acq On : 22 Oct 2021 16:05
 Operator : JC/MD
 Sample : VN1022WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2021
 Supervised By : Mahesh Dadoda 10/25/2021

Quant Time: Oct 23 07:54:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	65246	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	390380	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	357121	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	156016	30.700	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.333%			
60) 4-Bromofluorobenzene	12.733	95	182652	29.828	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.433%			
63) Toluene-d8	10.443	98	489462	30.336	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.133%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	101507	23.529	ug/l	99
3) Chloromethane	2.303	50	103589	23.096	ug/l	99
4) Vinyl Chloride	2.445	62	120473	22.534	ug/l	99
5) Bromomethane	2.861	94	82126	23.421	ug/l	100
6) Chloroethane	3.019	64	77466	22.353	ug/l	100
7) Trichlorofluoromethane	3.376	101	161747	23.363	ug/l	98
8) Diethyl Ether	3.829	74	56305	22.970	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.215	101	87996	23.396	ug/l #	70
10) 1,1-Dichloroethene	4.189	96	83668	22.800	ug/l	98
11) Methyl Iodide	4.427	142	108815	21.089	ug/l	96
12) Methyl Acetate	4.856	43	157365	22.517	ug/l	98
13) Acrolein	4.047	56	40276	95.657	ug/l #	54
14) Acrylonitrile	5.556	53	219715	110.799	ug/l	100
15) Acetone	4.288	58	64665	104.316	ug/l	98
16) Carbon Disulfide	4.537	76	217613	22.070	ug/l	99
17) Allyl chloride	4.848	41	139621	22.095	ug/l	92
18) Methylene Chloride	5.101	84	101282	23.227	ug/l	96
19) trans-1,2-Dichloroethene	5.602	96	90220	22.641	ug/l	93
20) Diisopropyl ether	6.498	45	302341	22.398	ug/l	95
21) 1,1-Dichloroethane	6.393	63	169626	22.514	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	109393	22.904	ug/l	100
23) tert-Butyl Alcohol	5.369	59	91261	112.166	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	315387	22.660	ug/l	99
25) Chloroform	7.820	83	183323	22.770	ug/l	98
26) Cyclohexane	8.099	56	160520	23.131	ug/l #	98
29) 1,1-Dichloropropene	8.225	75	139483	22.704	ug/l	97
30) 2-Butanone	7.335	43	310994	105.424	ug/l	99
31) 2,2-Dichloropropane	7.329	77	159190	21.629	ug/l	100
32) 1,1,1-Trichloroethane	8.018	97	166074	21.726	ug/l	99
33) Carbon Tetrachloride	8.212	117	141787	21.837	ug/l	99
34) Benzene	8.464	78	403491	21.995	ug/l	99
35) Methacrylonitrile	7.638	41	66422	22.593	ug/l	97
36) 1,2-Dichloroethane	8.531	62	144664	21.850	ug/l	99
37) Trichloroethene	9.217	130	103269	22.138	ug/l	95
38) Methylcyclohexane	9.461	83	174311	22.287	ug/l	98
39) 1,2-Dichloropropane	9.491	63	103766	22.182	ug/l	98
40) Dibromomethane	9.579	93	72303	22.107	ug/l	97
41) Bromodichloromethane	9.764	83	143547	21.965	ug/l	95
42) Vinyl Acetate	6.436	43	1126206	106.993	ug/l	100

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43) Ethyl Acetate	7.412	43	125393	21.791	ug/l	99
44) Isopropyl Acetate	8.563	43	230606	21.643	ug/l	100
45) 1,4-Dioxane	9.571	88	37406	438.651	ug/l	97
46) Methyl methacrylate	9.561	41	105485	21.901	ug/l	92
47) n-amyl Acetate	12.390	43	189040	20.898	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	161970	21.427	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	169414	21.522	ug/l	96
50) 1,1,2-Trichloroethane	10.899	97	103145	21.974	ug/l	96
51) Ethyl methacrylate	10.762	69	166893	21.569	ug/l	92
52) 1,3-Dichloropropane	11.046	76	173590	21.981	ug/l	99
53) Dibromochloromethane	11.240	129	107224	21.398	ug/l	100
54) 1,2-Dibromoethane	11.347	107	106896	21.785	ug/l	97
55) 2-Chloroethyl vinyl ether	10.043	63	197371	80.342	ug/l	99
56) Bromoform	12.460	173	74204	20.544	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	666260	110.586	ug/l	98
59) 2-Hexanone	11.087	43	491547	108.038	ug/l	98
61) Tetrachloroethene	10.979	164	90301	23.266	ug/l	97
62) Toluene	10.507	91	468402	22.518	ug/l	98
64) Chlorobenzene	11.773	112	282373	22.383	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	104451	22.254	ug/l	99
66) Ethyl Benzene	11.846	91	528786	22.611	ug/l	98
67) m/p-Xylenes	11.956	106	398753	45.341	ug/l	96
68) o-Xylene	12.283	106	195530	22.204	ug/l	96
69) Styrene	12.296	104	323546	22.171	ug/l	98
70) Isopropylbenzene	12.581	105	523558	22.678	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	150597	22.256	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	127477m	21.925	ug/l	
73) Bromobenzene	12.862	156	118778	22.698	ug/l	97
74) n-propylbenzene	12.921	91	598842	22.587	ug/l	100
75) 2-Chlorotoluene	13.010	91	363308	22.379	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	437767	22.751	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	46032	20.244	ug/l	97
78) 4-Chlorotoluene	13.106	91	355965	22.373	ug/l	95
79) tert-butylbenzene	13.326	119	377052	22.317	ug/l	99
80) 1,2,4-Trimethylbenzene	13.372	105	428991m	22.711	ug/l	
81) sec-Butylbenzene	13.503	105	533855	22.572	ug/l	99
82) p-Isopropyltoluene	13.618	119	429633	22.270	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	207920	22.569	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	202014	22.519	ug/l	97
85) n-Butylbenzene	13.946	91	359451	22.278	ug/l	99
86) Hexachloroethane	14.214	117	77626	21.490	ug/l	91
87) 1,2-Dichlorobenzene	13.991	146	199322	22.644	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	26910	21.351	ug/l	98
89) 1,2,4-Trichlorobenzene	15.268	180	92200	20.774	ug/l	99
90) Hexachlorobutadiene	15.372	225	54774	23.605	ug/l	99
91) Naphthalene	15.507	128	244598	19.053	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	87071	20.528	ug/l	99

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

