

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072006.D
 Acq On : 15 Apr 2022 16:50
 Operator : JC\MD
 Sample : VN0415WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/18/2022
 Supervised By :Semsettin Yesilyurt 04/18/2022

Quant Time: Apr 15 23:28:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	88583	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	545235	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	497540	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	193451	30.996	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.333%			
60) 4-Bromofluorobenzene	12.727	95	213646	28.960	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.533%			
63) Toluene-d8	10.439	98	685863	30.367	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.233%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	116056	21.049	ug/l	100
3) Chloromethane	2.299	50	123767	19.045	ug/l	98
4) Vinyl Chloride	2.446	62	126489	16.973	ug/l	97
5) Bromomethane	2.852	94	83751	19.071	ug/l	93
6) Chloroethane	3.016	64	76028	15.931	ug/l	99
7) Trichlorofluoromethane	3.369	101	172983	19.909	ug/l	99
8) Diethyl Ether	3.822	74	69032	18.908	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.216	101	103728	19.934	ug/l #	63
10) 1,1-Dichloroethene	4.181	96	100129	19.510	ug/l	94
11) Methyl Iodide	4.422	142	139365	18.532	ug/l	86
12) Methyl Acetate	4.851	43	136452	18.866	ug/l	94
13) Acrolein	4.040	56	61018	79.301	ug/l	97
14) Acrylonitrile	5.551	53	322636	98.495	ug/l	96
15) Acetone	4.287	58	89430	94.868	ug/l	73
16) Carbon Disulfide	4.534	76	264837	19.820	ug/l	98
17) Allyl chloride	4.840	41	147434	17.712	ug/l	80
18) Methylene Chloride	5.093	84	134506	21.847	ug/l	90
19) trans-1,2-Dichloroethene	5.592	96	109497	19.948	ug/l	98
20) Diisopropyl ether	6.492	45	326816	18.765	ug/l #	93
21) 1,1-Dichloroethane	6.381	63	205069	19.502	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	129844	19.470	ug/l	95
23) tert-Butyl Alcohol	5.363	59	97297	83.241	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	347560	18.765	ug/l #	88
25) Chloroform	7.816	83	209661	19.825	ug/l	100
26) Cyclohexane	8.092	56	175283	19.285	ug/l #	97
29) 1,1-Dichloropropene	8.216	75	150053	17.003	ug/l	99
30) 2-Butanone	7.328	43	398613	81.143	ug/l #	93
31) 2,2-Dichloropropane	7.322	77	160911	16.006	ug/l	98
32) 1,1,1-Trichloroethane	8.010	97	176312	17.153	ug/l	98
33) Carbon Tetrachloride	8.204	117	153823	17.679	ug/l	98
34) Benzene	8.457	78	489157	17.840	ug/l	97
35) Methacrylonitrile	7.634	41	80348	17.047	ug/l	90
36) 1,2-Dichloroethane	8.528	62	154909	16.195	ug/l #	93
37) Trichloroethene	9.216	130	126220	17.840	ug/l	100
38) Methylcyclohexane	9.457	83	187316	16.839	ug/l	97
39) 1,2-Dichloropropane	9.486	63	119024	17.350	ug/l	97
40) Dibromomethane	9.575	93	82535	17.775	ug/l	84
41) Bromodichloromethane	9.757	83	158040	17.009	ug/l	98
42) Vinyl Acetate	6.428	43	1337940	79.487	ug/l #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	163195	17.132	ug/l	97
44) Isopropyl Acetate	8.557	43	239567	15.681	ug/l	93
45) 1,4-Dioxane	9.563	88	51358	333.180	ug/l #	92
46) Methyl methacrylate	9.557	41	101443	15.141	ug/l	77
47) n-amyl Acetate	12.386	43	143246m	14.050	ug/l	
48) t-1,3-Dichloropropene	10.716	75	163489	16.188	ug/l	98
49) cis-1,3-Dichloropropene	10.186	75	183870	16.649	ug/l #	82
50) 1,1,2-Trichloroethane	10.892	97	125458	18.074	ug/l	97
51) Ethyl methacrylate	10.757	69	180293	16.822	ug/l	77
52) 1,3-Dichloropropane	11.039	76	209842	17.702	ug/l	99
53) Dibromochloromethane	11.233	129	126274	17.573	ug/l	100
54) 1,2-Dibromoethane	11.339	107	128357	17.976	ug/l	98
55) 2-Chloroethyl vinyl ether	10.039	63	282326	97.768	ug/l	97
56) Bromoform	12.457	173	96347	17.390	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	785291	83.146	ug/l #	89
59) 2-Hexanone	11.080	43	552255	80.086	ug/l #	85
61) Tetrachloroethene	10.975	164	114005	18.827	ug/l	86
62) Toluene	10.498	91	544841	18.060	ug/l	96
64) Chlorobenzene	11.763	112	329685	17.717	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.833	131	118789	17.401	ug/l	98
66) Ethyl Benzene	11.839	91	559579	17.068	ug/l	94
67) m/p-Xylenes	11.951	106	445951	34.965	ug/l	96
68) o-Xylene	12.274	106	220267	17.376	ug/l	94
69) Styrene	12.292	104	342600	17.172	ug/l	95
70) Isopropylbenzene	12.574	105	547569	17.210	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	185926	17.955	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	157647m	17.720	ug/l	
73) Bromobenzene	12.857	156	135480	17.455	ug/l	92
74) n-propylbenzene	12.916	91	581188	16.736	ug/l	97
75) 2-Chlorotoluene	13.004	91	366248	16.877	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	456301	17.876	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	47566	15.227	ug/l	89
78) 4-Chlorotoluene	13.098	91	335614	16.559	ug/l	100
79) tert-butylbenzene	13.321	119	395716	17.179	ug/l	92
80) 1,2,4-Trimethylbenzene	13.363	105	433994m	17.523	ug/l	
81) sec-Butylbenzene	13.498	105	524595	16.950	ug/l	98
82) p-Isopropyltoluene	13.610	119	418851	16.656	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	213029	16.773	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	205135	16.922	ug/l	98
85) n-Butylbenzene	13.939	91	281155	15.052	ug/l	95
86) Hexachloroethane	14.204	117	78044	16.619	ug/l	76
87) 1,2-Dichlorobenzene	13.986	146	214785	17.492	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	28229	15.321	ug/l #	75
89) 1,2,4-Trichlorobenzene	15.257	180	90757	15.990	ug/l	98
90) Hexachlorobutadiene	15.362	225	61456	18.272	ug/l	99
91) Naphthalene	15.504	128	232455	17.512	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	91825	16.495	ug/l	97

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

