

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060822\
 Data File : VN072699.D
 Acq On : 08 Jun 2022 13:21
 Operator : JC\MD
 Sample : VN0608WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0608WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 09 03:22:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	34134	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	211214	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	192107	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	119528	30.704	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.333%
60) 4-Bromofluorobenzene	12.727	95	111248	28.156	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.867%
63) Toluene-d8	10.439	98	315598	29.656	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.867%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	51981	20.329	ug/l	96
3) Chloromethane	2.293	50	55658	20.017	ug/l	95
4) Vinyl Chloride	2.434	62	52230	20.832	ug/l	99
5) Bromomethane	2.846	94	27882	21.505	ug/l	93
6) Chloroethane	3.010	64	35054	20.969	ug/l	95
7) Trichlorofluoromethane	3.363	101	89353	19.714	ug/l	96
8) Diethyl Ether	3.822	74	36280	20.645	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.210	101	49361	20.673	ug/l	75
10) 1,1-Dichloroethene	4.175	96	45598	20.219	ug/l	85
11) Methyl Iodide	4.416	142	44680	19.788	ug/l	96
12) Methyl Acetate	4.851	43	96521	20.744	ug/l	96
13) Acrolein	4.040	56	40324	99.003	ug/l	99
14) Acrylonitrile	5.545	53	201014	105.983	ug/l	99
15) Acetone	4.275	58	49681	96.745	ug/l	97
16) Carbon Disulfide	4.522	76	102312	17.996	ug/l	97
17) Allyl chloride	4.834	41	98752	20.270	ug/l	94
18) Methylene Chloride	5.087	84	58371	20.613	ug/l	98
19) trans-1,2-Dichloroethene	5.587	96	46810	19.180	ug/l	93
20) Diisopropyl ether	6.487	45	204862	21.233	ug/l	94
21) 1,1-Dichloroethane	6.381	63	108785	20.293	ug/l	99
22) cis-1,2-Dichloroethene	7.322	96	63374	20.731	ug/l	91
23) tert-Butyl Alcohol	5.357	59	85870	97.290	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	204548	20.394	ug/l	97
25) Chloroform	7.816	83	112418	20.415	ug/l	97
26) Cyclohexane	8.092	56	89967	20.130	ug/l #	91
29) 1,1-Dichloropropene	8.222	75	78272	19.441	ug/l	94
30) 2-Butanone	7.328	43	292070	100.237	ug/l	94
31) 2,2-Dichloropropane	7.322	77	102261	18.764	ug/l #	76
32) 1,1,1-Trichloroethane	8.010	97	102572	19.470	ug/l	97
33) Carbon Tetrachloride	8.198	117	85730	18.871	ug/l	99
34) Benzene	8.457	78	235155	19.742	ug/l	96
35) Methacrylonitrile	7.633	41	59571	20.850	ug/l	91
36) 1,2-Dichloroethane	8.528	62	99053	19.683	ug/l	99
37) Trichloroethene	9.216	130	55274	19.249	ug/l	88
38) Methylcyclohexane	9.457	83	95159	19.798	ug/l	95
39) 1,2-Dichloropropane	9.486	63	64955	19.849	ug/l	97
40) Dibromomethane	9.575	93	45006	20.035	ug/l	93
41) Bromodichloromethane	9.757	83	93927	19.547	ug/l	92
42) Vinyl Acetate	6.428	43	939050	98.993	ug/l	98

06/09/2022
 Supervised By :Mahesh
 adoda

06/09/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.410	43	104404	18.701	ug/l	100	06/09/2022
44) Isopropyl Acetate	8.557	43	182713	19.731	ug/l	97	Supervised By :Mahesh
45) 1,4-Dioxane	9.563	88	30821	405.006	ug/l	92	Dadoda
46) Methyl methacrylate	9.557	41	79316	19.155	ug/l	89	
47) n-amyl Acetate	12.386	43	130342	18.384	ug/l	97	
48) t-1,3-Dichloropropene	10.716	75	103316	18.836	ug/l	99	
49) cis-1,3-Dichloropropene	10.186	75	105225	18.893	ug/l	98	06/09/2022
50) 1,1,2-Trichloroethane	10.898	97	63315	19.935	ug/l	98	
51) Ethyl methacrylate	10.757	69	109096	18.964	ug/l	96	
52) 1,3-Dichloropropane	11.039	76	112932	19.981	ug/l	100	
53) Dibromochloromethane	11.233	129	66873	19.084	ug/l	99	
54) 1,2-Dibromoethane	11.339	107	64606	19.346	ug/l	96	
55) 2-Chloroethyl vinyl ether	10.039	63	217656	96.601	ug/l	98	
56) Bromoform	12.451	173	44459	18.209	ug/l #	98	
58) 4-Methyl-2-Pentanone	10.327	43	591770	102.703	ug/l	97	
59) 2-Hexanone	11.080	43	442242	101.236	ug/l	98	
61) Tetrachloroethene	10.974	164	50506	21.244	ug/l	96	
62) Toluene	10.498	91	263307	20.214	ug/l	98	
64) Chlorobenzene	11.769	112	153951	19.412	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	11.833	131	63584	20.336	ug/l	96	
66) Ethyl Benzene	11.839	91	297111	19.867	ug/l	100	
67) m/p-Xylenes	11.951	106	213954	39.224	ug/l	92	
68) o-Xylene	12.274	106	111086	19.963	ug/l	95	
69) Styrene	12.292	104	166099	18.804	ug/l	95	
70) Isopropylbenzene	12.574	105	289158	19.886	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	12.821	83	98584	20.029	ug/l	98	
72) 1,2,3-Trichloropropane	12.874	75	83101m	19.346	ug/l		
73) Bromobenzene	12.857	156	57514	19.457	ug/l	76	
74) n-propylbenzene	12.916	91	322511	19.383	ug/l	98	
75) 2-Chlorotoluene	13.004	91	201264	19.514	ug/l	91	
76) 1,3,5-Trimethylbenzene	13.057	105	235290	19.715	ug/l	99	
77) t-1,4-Dichloro-2-butene	12.621	75	31526	17.413	ug/l	97	
78) 4-Chlorotoluene	13.104	91	182619	18.743	ug/l	93	
79) tert-butylbenzene	13.321	119	202885	19.041	ug/l	94	
80) 1,2,4-Trimethylbenzene	13.498	105	278258	19.336	ug/l	100	
81) sec-Butylbenzene	13.498	105	278258	19.336	ug/l	100	
82) p-Isopropyltoluene	13.610	119	220174	19.166	ug/l	98	
83) 1,3-Dichlorobenzene	13.610	146	96693	18.686	ug/l	97	
84) 1,4-Dichlorobenzene	13.692	146	94316	18.771	ug/l	97	
85) n-Butylbenzene	13.939	91	179980	18.478	ug/l	97	
86) Hexachloroethane	14.210	117	46047	18.114	ug/l	92	
87) 1,2-Dichlorobenzene	13.986	146	96967	18.934	ug/l	97	
88) 1,2-Dibromo-3-Chloropr...	14.598	75	22240	18.021	ug/l	89	
89) 1,2,4-Trichlorobenzene	15.262	180	44937	17.412	ug/l	98	
90) Hexachlorobutadiene	15.368	225	20924	18.072	ug/l	95	
91) Naphthalene	15.504	128	168986	16.411	ug/l	100	
92) 1,2,3-Trichlorobenzene	15.698	180	46552	17.731	ug/l	99	

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

