

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041822\
 Data File : VN072032.D
 Acq On : 18 Apr 2022 13:31
 Operator : JC\MD
 Sample : VN0418WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0418WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 18 15:25:32 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	100007	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	545916	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	505496	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	198680	28.197	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.000%
60) 4-Bromofluorobenzene	12.727	95	224665	29.974	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.900%
63) Toluene-d8	10.439	98	685854	29.889	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.633%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	138174	22.198	ug/l	95
3) Chloromethane	2.299	50	140239	19.115	ug/l	96
4) Vinyl Chloride	2.446	62	139054	16.527	ug/l	100
5) Bromomethane	2.846	94	95352	19.232	ug/l	94
6) Chloroethane	3.016	64	93053	17.271	ug/l	97
7) Trichlorofluoromethane	3.375	101	200589	20.449	ug/l	96
8) Diethyl Ether	3.828	74	82427	19.998	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.210	101	124228	21.146	ug/l #	62
10) 1,1-Dichloroethene	4.181	96	115711	19.971	ug/l	97
11) Methyl Iodide	4.422	142	170230	20.050	ug/l	86
12) Methyl Acetate	4.851	43	152717	18.703	ug/l	97
13) Acrolein	4.046	56	56166	64.657	ug/l	95
14) Acrylonitrile	5.545	53	356679	96.449	ug/l	97
15) Acetone	4.281	58	97295	91.421	ug/l	74
16) Carbon Disulfide	4.534	76	302147	20.029	ug/l	98
17) Allyl chloride	4.840	41	170264	18.118	ug/l	80
18) Methylene Chloride	5.093	84	145623	20.951	ug/l	90
19) trans-1,2-Dichloroethene	5.598	96	127804	20.624	ug/l	96
20) Diisopropyl ether	6.487	45	378735	19.261	ug/l #	92
21) 1,1-Dichloroethane	6.387	63	233744	19.690	ug/l	97
22) cis-1,2-Dichloroethene	7.328	96	155910	20.708	ug/l	91
23) tert-Butyl Alcohol	5.363	59	107919	81.782	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	411338m	19.672	ug/l	
25) Chloroform	7.810	83	242290	20.293	ug/l	97
26) Cyclohexane	8.092	56	205997	20.075	ug/l #	96
29) 1,1-Dichloropropene	8.216	75	178548	20.206	ug/l	99
30) 2-Butanone	7.328	43	431840	87.798	ug/l	93
31) 2,2-Dichloropropane	7.322	77	191542	19.029	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	207491	20.162	ug/l	98
33) Carbon Tetrachloride	8.204	117	176867	20.303	ug/l	95
34) Benzene	8.451	78	569766	20.754	ug/l	99
35) Methacrylonitrile	7.628	41	92463	19.593	ug/l	88
36) 1,2-Dichloroethane	8.528	62	177134	18.495	ug/l #	92
37) Trichloroethene	9.210	130	145284	20.509	ug/l	97
38) Methylcyclohexane	9.457	83	224568	20.163	ug/l	97
39) 1,2-Dichloropropane	9.486	63	137368	20.000	ug/l	99
40) Dibromomethane	9.575	93	94635	20.356	ug/l	86
41) Bromodichloromethane	9.757	83	186658	20.064	ug/l	98
42) Vinyl Acetate	6.428	43	1555339	92.288	ug/l #	94

04/19/2022
 Supervised By :Mahesh
 Gadoda

04/19/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.404	43	176295	18.484	ug/l	95	04/19/2022
44) Isopropyl Acetate	8.557	43	271426	17.744	ug/l	91	Supervised By :Mahesh Dadoda
45) 1,4-Dioxane	9.563	88	57908	375.204	ug/l	94	
46) Methyl methacrylate	9.557	41	126351	18.835	ug/l	76	
47) n-amyl Acetate	12.380	43	173774m	17.023	ug/l		
48) t-1,3-Dichloropropene	10.716	75	192967	19.083	ug/l	99	
49) cis-1,3-Dichloropropene	10.186	75	217186	19.641	ug/l #	81	04/19/2022
50) 1,1,2-Trichloroethane	10.892	97	145456	20.929	ug/l	97	
51) Ethyl methacrylate	10.757	69	212826	19.833	ug/l	77	
52) 1,3-Dichloropropane	11.039	76	241793	20.372	ug/l	99	
53) Dibromochloromethane	11.233	129	150475	20.915	ug/l	99	
54) 1,2-Dibromoethane	11.339	107	146805	20.534	ug/l	98	
55) 2-Chloroethyl vinyl ether	10.039	63	290243	100.384	ug/l	97	
56) Bromoform	12.451	173	113364	20.436	ug/l #	100	
58) 4-Methyl-2-Pentanone	10.327	43	864383	90.079	ug/l #	88	
59) 2-Hexanone	11.080	43	613463	87.562	ug/l #	87	
61) Tetrachloroethene	10.975	164	134831	21.916	ug/l	88	
62) Toluene	10.498	91	631353	20.598	ug/l	97	
64) Chlorobenzene	11.769	112	380856	20.144	ug/l	98	
65) 1,1,1,2-Tetrachloroethane	11.833	131	137778	19.865	ug/l	97	
66) Ethyl Benzene	11.839	91	664751	19.957	ug/l	95	
67) m/p-Xylenes	11.951	106	526523	40.632	ug/l	95	
68) o-Xylene	12.274	106	256313	19.901	ug/l	96	
69) Styrene	12.292	104	407850	20.121	ug/l	95	
70) Isopropylbenzene	12.574	105	647031	20.016	ug/l	99	
71) 1,1,2,2-Tetrachloroethane	12.821	83	215639	20.496	ug/l	97	
72) 1,2,3-Trichloropropane	12.874	75	177826m	19.674	ug/l		
73) Bromobenzene	12.857	156	157741	20.003	ug/l	93	
74) n-propylbenzene	12.916	91	696323	19.736	ug/l	97	
75) 2-Chlorotoluene	13.004	91	440034	19.958	ug/l	100	
76) 1,3,5-Trimethylbenzene	13.051	105	544961	21.013	ug/l	96	
77) t-1,4-Dichloro-2-butene	12.621	75	55495	17.486	ug/l	91	
78) 4-Chlorotoluene	13.098	91	403791	19.610	ug/l	99	
79) tert-butylbenzene	13.321	119	474846	20.290	ug/l	92	
80) 1,2,4-Trimethylbenzene	13.363	105	530493m	21.082	ug/l		
81) sec-Butylbenzene	13.498	105	623855	19.839	ug/l	97	
82) p-Isopropyltoluene	13.610	119	510296	19.973	ug/l	96	
83) 1,3-Dichlorobenzene	13.610	146	260296	20.172	ug/l	98	
84) 1,4-Dichlorobenzene	13.692	146	247743	20.115	ug/l	97	
85) n-Butylbenzene	13.939	91	363609	19.160	ug/l	96	
86) Hexachloroethane	14.204	117	93183	19.531	ug/l	77	
87) 1,2-Dichlorobenzene	13.980	146	253444	20.316	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	14.598	75	33387	17.836	ug/l #	81	
89) 1,2,4-Trichlorobenzene	15.257	180	114154	19.795	ug/l	96	
90) Hexachlorobutadiene	15.362	225	77813	22.771	ug/l	98	
91) Naphthalene	15.504	128	285431	19.730	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.692	180	114727	20.285	ug/l	97	

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

