

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077198.D
 Acq On : 27 Mar 2023 12:24
 Operator : JC\MD
 Sample : VN0327WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Mar 28 06:41:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 24 05:55:38 2023
 Response via : Initial Calibration

03/28/2023
 Supervised By :Semsettin
 Yesilyurt

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)	Y
-----							03
Internal Standards							
1) Bromochloromethane	7.819	128	42810	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	9.107	114	301953	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.866	117	336811	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	131132	30.162	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.533%	
60) 4-Bromofluorobenzene	12.848	95	181063	29.924	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.733%	
63) Toluene-d8	10.566	98	361315	30.052	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.167%	
Target Compounds						Qvalue	
2) Dichlorodifluoromethane	2.137	85	101240	35.915	ug/l	94	
3) Chloromethane	2.372	50	117890	26.280	ug/l	97	
4) Vinyl Chloride	2.525	62	137137	21.683	ug/l	93	
5) Bromomethane	2.966	94	113041	25.490	ug/l	94	
6) Chloroethane	3.131	64	132357	25.103	ug/l	90	
7) Trichlorofluoromethane	3.513	101	254708	27.976	ug/l	99	
8) Diethyl Ether	3.978	74	69477	21.748	ug/l	95	
9) 1,1,2-Trichlorotrifluo...	4.384	101	105021	22.060	ug/l	96	
10) 1,1-Dichloroethene	4.354	96	95331	21.401	ug/l	98	
11) Methyl Iodide	4.601	142	113423	23.908	ug/l	95	
12) Methyl Acetate	5.037	43	195949	20.399	ug/l	97	
13) Acrolein	4.325	56	504	0.387	ug/l	98	
14) Acrylonitrile	5.731	53	297948	102.254	ug/l	98	
15) Acetone	4.437	58	97799	128.364	ug/l	85	
16) Carbon Disulfide	4.725	76	265908	21.136	ug/l	100	
17) Allyl chloride	5.037	41	169151	21.590	ug/l	92	
18) Methylene Chloride	5.295	84	117314	21.429	ug/l	91	
19) trans-1,2-Dichloroethene	5.801	96	104442	21.885	ug/l	95	
20) Diisopropyl ether	6.684	45	393717	22.183	ug/l	92	
21) 1,1-Dichloroethane	6.584	63	216682	21.685	ug/l	98	
22) cis-1,2-Dichloroethene	7.489	96	122072	21.664	ug/l	96	
23) tert-Butyl Alcohol	5.531	59	98222	99.311	ug/l #	100	
24) Methyl tert-Butyl Ether	5.801	73	344790	21.801	ug/l	99	
25) Chloroform	7.972	83	211349	21.618	ug/l	100	
26) Cyclohexane	8.266	56	182005	21.596	ug/l #	95	
29) 1,1-Dichloropropene	8.378	75	154426	21.082	ug/l	99	
30) 2-Butanone	7.489	43	438918	103.868	ug/l	99	
31) 2,2-Dichloropropane	7.495	77	174727	25.464	ug/l #	67	
32) 1,1,1-Trichloroethane	8.178	97	184918	20.938	ug/l	98	
33) Carbon Tetrachloride	8.372	117	159094	21.443	ug/l	92	
34) Benzene	8.613	78	473361	21.082	ug/l	96	
35) Methacrylonitrile	7.789	41	92431	19.926	ug/l	96	
36) 1,2-Dichloroethane	8.678	62	175339	21.182	ug/l	98	
37) Trichloroethene	9.354	130	105899	20.862	ug/l	97	
38) Methylcyclohexane	9.607	83	185093	21.227	ug/l	96	
39) 1,2-Dichloropropane	9.625	63	125152	20.821	ug/l	93	
40) Dibromomethane	9.713	93	82985	21.589	ug/l	98	
41) Bromodichloromethane	9.889	83	161135	20.586	ug/l	97	
42) Vinyl Acetate	6.613	43	1277341	100.846	ug/l	100	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.560	43	175347	20.771	ug/l	98
44) Isopropyl Acetate	8.695	43	266346	19.550	ug/l	98
45) 1,4-Dioxane	9.695	88	46602	420.688	ug/l	97
46) Methyl methacrylate	9.683	41	130143	20.719	ug/l	95
47) n-amyl Acetate	12.495	43	216316	18.873	ug/l	94
48) t-1,3-Dichloropropene	10.836	75	168249	21.162	ug/l	93
49) cis-1,3-Dichloropropene	10.313	75	184227	21.166	ug/l	96
50) 1,1,2-Trichloroethane	11.019	97	112980	20.939	ug/l	96
51) Ethyl methacrylate	10.877	69	164689	19.768	ug/l	94
52) 1,3-Dichloropropane	11.166	76	200598	20.944	ug/l	99
53) Dibromochloromethane	11.360	129	116325	20.822	ug/l	97
54) 1,2-Dibromoethane	11.471	107	109631	20.647	ug/l	97
55) 2-Chloroethyl vinyl ether	10.166	63	326174	93.642	ug/l	98
56) Bromoform	12.577	173	78773	20.094	ug/l	98
58) 4-Methyl-2-Pentanone	10.448	43	863470	99.332	ug/l	99
59) 2-Hexanone	11.195	43	638348	100.714	ug/l	99
61) Tetrachloroethene	11.107	164	91168	21.567	ug/l	98
62) Toluene	10.630	91	501244	21.175	ug/l	99
64) Chlorobenzene	11.895	112	291275	20.798	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.960	131	109276	21.246	ug/l	97
66) Ethyl Benzene	11.966	91	536589	21.096	ug/l	94
67) m/p-Xylenes	12.071	106	415739	42.473	ug/l	95
68) o-Xylene	12.401	106	203394	21.223	ug/l	99
69) Styrene	12.413	104	323446	20.784	ug/l	98
70) Isopropylbenzene	12.695	105	525983	21.164	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.942	83	169951	20.892	ug/l	98
72) 1,2,3-Trichloropropane	12.995	75	148472m	20.620	ug/l	
73) Bromobenzene	12.983	156	120807	21.743	ug/l	98
74) n-propylbenzene	13.036	91	624020	21.689	ug/l	99
75) 2-Chlorotoluene	13.130	91	374222	21.572	ug/l	100
76) 1,3,5-Trimethylbenzene	13.177	105	448723	21.752	ug/l	96
77) t-1,4-Dichloro-2-butene	12.736	75	47738	20.798	ug/l	89
78) 4-Chlorotoluene	13.224	91	355021	21.275	ug/l	96
79) tert-butylbenzene	13.442	119	378898	21.500	ug/l	98
80) 1,2,4-Trimethylbenzene	13.483	105	442815	21.631	ug/l	98
81) sec-Butylbenzene	13.618	105	545222	21.427	ug/l	100
82) p-Isopropyltoluene	13.730	119	439204	21.532	ug/l	98
83) 1,3-Dichlorobenzene	13.736	146	221066	21.489	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	215615	21.515	ug/l	98
85) n-Butylbenzene	14.060	91	370397	21.483	ug/l	99
86) Hexachloroethane	14.336	117	85407	21.957	ug/l	93
87) 1,2-Dichlorobenzene	14.107	146	221761	21.556	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.724	75	30455	19.512	ug/l	98
89) 1,2,4-Trichlorobenzene	15.401	180	93066	20.279	ug/l	98
90) Hexachlorobutadiene	15.501	225	59538	22.996	ug/l	97
91) Naphthalene	15.642	128	285070	18.929	ug/l	99
92) 1,2,3-Trichlorobenzene	15.842	180	88947	19.518	ug/l	98

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

