

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062323\
 Data File : VN078364.D
 Acq On : 23 Jun 2023 09:10
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

06/24/2023
 Supervised By :Mahesh
 Dadoda

Quant Time: Jun 24 00:28:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 24 00:28:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	78091	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	434914	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	366999	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	183041	31.126	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.767%
60) 4-Bromofluorobenzene	12.853	95	145660	28.171	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.900%
63) Toluene-d8	10.570	98	565021	31.775	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	24084	5.092	ug/l	96
3) Chloromethane	2.371	50	31343	5.495	ug/l	97
4) Vinyl Chloride	2.524	62	35279	5.028	ug/l	93
5) Bromomethane	2.971	94	30256	5.304	ug/l	86
6) Chloroethane	3.136	64	31668	6.337	ug/l	97
7) Trichlorofluoromethane	3.512	101	60290	7.301	ug/l	99
8) Diethyl Ether	3.977	74	14197	5.150	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	24620	5.485	ug/l	42
10) 1,1-Dichloroethene	4.353	96	21342m	4.849	ug/l	
11) Methyl Iodide	4.594	142	29520	4.734	ug/l	92
12) Methyl Acetate	5.041	43	35471	5.196	ug/l	95
13) Acrolein	4.194	56	21499	25.144	ug/l	99
14) Acrylonitrile	5.741	53	47089m	25.124	ug/l	
15) Acetone	4.447	58	15643m	29.802	ug/l	
16) Carbon Disulfide	4.724	76	59241	4.925	ug/l	97
17) Allyl chloride	5.030	41	28234m	5.104	ug/l	
18) Methylene Chloride	5.283	84	29810	5.715	ug/l	94
19) trans-1,2-Dichloroethene	5.794	96	24366	5.016	ug/l	96
20) Diisopropyl ether	6.688	45	63276	4.771	ug/l	93
21) 1,1-Dichloroethane	6.577	63	45526	5.176	ug/l #	92
22) cis-1,2-Dichloroethene	7.494	96	27011	4.888	ug/l	98
23) tert-Butyl Alcohol	5.524	59	18313m	26.576	ug/l	
24) Methyl tert-Butyl Ether	5.806	73	67762	4.882	ug/l	100
25) Chloroform	7.971	83	48762m	5.246	ug/l	
26) Cyclohexane	8.259	56	29452	4.678	ug/l #	97
29) 1,1-Dichloropropene	8.377	75	32990	4.893	ug/l	100
30) 2-Butanone	7.500	43	59716	25.270	ug/l #	97
31) 2,2-Dichloropropane	7.494	77	37634	5.221	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	40748	4.960	ug/l #	84
33) Carbon Tetrachloride	8.371	117	37579	5.247	ug/l	85
34) Benzene	8.612	78	104685	5.207	ug/l #	92
35) Methacrylonitrile	7.794	41	13656m	5.036	ug/l	
36) 1,2-Dichloroethane	8.676	62	36211	5.283	ug/l	97
37) Trichloroethene	9.353	130	27706	5.394	ug/l	95
38) Methylcyclohexane	9.606	83	29870	5.043	ug/l	100
39) 1,2-Dichloropropane	9.623	63	25938	5.150	ug/l #	87
40) Dibromomethane	9.712	93	18339	5.046	ug/l	77
41) Bromodichloromethane	9.894	83	37532	5.316	ug/l	96
42) Vinyl Acetate	6.618	43	175274	23.283	ug/l #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	22470	4.636	ug/l	97
44) Isopropyl Acetate	8.694	43	49328	5.489	ug/l #	80
45) 1,4-Dioxane	9.694	88	7405	95.655	ug/l	91
46) Methyl methacrylate	9.694	41	19127	4.781	ug/l	92
47) n-amyl Acetate	12.500	43	26726	4.046	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	35730	4.930	ug/l	94
49) cis-1,3-Dichloropropene	10.318	75	39700	4.970	ug/l	99
50) 1,1,2-Trichloroethane	11.023	97	24967	5.125	ug/l	95
51) Ethyl methacrylate	10.876	69	29428	4.415	ug/l	84
52) 1,3-Dichloropropane	11.170	76	40871	4.999	ug/l	100
53) Dibromochloromethane	11.359	129	25049	4.848	ug/l	93
54) 1,2-Dibromoethane	11.476	107	23986	4.885	ug/l	94
55) 2-Chloroethyl vinyl ether	10.165	63	51790	21.063	ug/l	98
56) Bromoform	12.582	173	14209	4.492	ug/l #	94
58) 4-Methyl-2-Pentanone	10.453	43	119162	24.314	ug/l	99
59) 2-Hexanone	11.200	43	81090	23.957	ug/l	96
61) Tetrachloroethene	11.106	164	22881	5.690	ug/l	96
62) Toluene	10.635	91	114680	5.369	ug/l	96
64) Chlorobenzene	11.894	112	65153	5.147	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.964	131	25839	5.293	ug/l	98
66) Ethyl Benzene	11.970	91	103812	4.777	ug/l	96
67) m/p-Xylenes	12.076	106	78782	9.587	ug/l	96
68) o-Xylene	12.406	106	39478	4.954	ug/l	97
69) Styrene	12.417	104	53559	4.245	ug/l	98
70) Isopropylbenzene	12.700	105	95600	4.882	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	32693	5.134	ug/l	96
72) 1,2,3-Trichloropropane	12.994	75	25962m	4.625	ug/l	
73) Bromobenzene	12.988	156	21956	4.690	ug/l	97
74) n-propylbenzene	13.041	91	100252	4.708	ug/l	98
75) 2-Chlorotoluene	13.129	91	66796	4.634	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	71377	4.396	ug/l	98
77) t-1,4-Dichloro-2-butene	12.747	75	6881	4.011	ug/l	93
78) 4-Chlorotoluene	13.223	91	54766	4.060	ug/l	98
79) tert-butylbenzene	13.441	119	60328	4.517	ug/l	94
80) 1,2,4-Trimethylbenzene	13.488	105	65103	4.243	ug/l	98
81) sec-Butylbenzene	13.623	105	74279	4.458	ug/l	96
82) p-Isopropyltoluene	13.735	119	56265	4.198	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	30859	4.159	ug/l	94
84) 1,4-Dichlorobenzene	13.817	146	27703	3.862	ug/l	98
85) n-Butylbenzene	14.058	91	36225	3.659	ug/l	100
86) Hexachloroethane	14.335	117	12342	4.784	ug/l	99
87) 1,2-Dichlorobenzene	14.111	146	31360	4.264	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.723	75	3851	4.014	ug/l	99
89) 1,2,4-Trichlorobenzene	15.400	180	5222	2.328	ug/l #	83
90) Hexachlorobutadiene	15.505	225	5977	3.920	ug/l	82
91) Naphthalene	15.647	128	19380	2.637	ug/l #	97
92) 1,2,3-Trichlorobenzene	15.841	180	7143	2.753	ug/l	87

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

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06/24/2023

Supervised By : Mahesh

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06/26/2023

