

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078919.D
 Acq On : 17 Aug 2023 12:14
 Operator : JC\MD
 Sample : VSTDICC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC075

Quant Time: Aug 18 05:03:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:01:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2023
 Supervised By :Semsettin Yesilyurt 08/18/2023

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

Internal Standards						
1) Bromochloromethane	7.824	128	46534	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	269907	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	240060	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	113469	30.098	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.333%			
60) 4-Bromofluorobenzene	12.853	95	112397	32.097	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 107.000%			
63) Toluene-d8	10.571	98	334086	29.801	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	221327	75.374	ug/l	99
3) Chloromethane	2.365	50	257380	73.138	ug/l	98
4) Vinyl Chloride	2.512	62	256416	73.620	ug/l	96
5) Bromomethane	2.936	94	147533	68.623	ug/l	98
6) Chloroethane	3.112	64	158387	69.978	ug/l	95
7) Trichlorofluoromethane	3.489	101	346653	73.896	ug/l	100
8) Diethyl Ether	3.959	74	137128	77.721	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	187885	76.771	ug/l	90
10) 1,1-Dichloroethene	4.342	96	187686	75.615	ug/l	94
11) Methyl Iodide	4.595	142	244848	82.319	ug/l	96
12) Methyl Acetate	5.030	43	449095	77.732	ug/l	99
13) Acrolein	4.177	56	149694	371.730	ug/l	95
14) Acrylonitrile	5.718	53	596309	392.637	ug/l #	92
15) Acetone	4.430	58	210983	452.359	ug/l	96
16) Carbon Disulfide	4.712	76	523224	73.879	ug/l	99
17) Allyl chloride	5.030	41	335716	75.821	ug/l	98
18) Methylene Chloride	5.277	84	218613	74.191	ug/l	87
19) trans-1,2-Dichloroethene	5.783	96	208646	75.212	ug/l	92
20) Diisopropyl ether	6.677	45	788333	80.218	ug/l	90
21) 1,1-Dichloroethane	6.571	63	419111	76.857	ug/l	97
22) cis-1,2-Dichloroethene	7.489	96	246783	77.726	ug/l	98
23) tert-Butyl Alcohol	5.530	59	225017	397.201	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	690857	78.921	ug/l	100
25) Chloroform	7.971	83	413824	75.330	ug/l	100
26) Cyclohexane	8.259	56	316644	79.379	ug/l #	97
29) 1,1-Dichloropropene	8.371	75	314283	76.544	ug/l	99
30) 2-Butanone	7.489	43	960887	399.766	ug/l	99
31) 2,2-Dichloropropane	7.494	77	358280	78.955	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	364931	74.445	ug/l	99
33) Carbon Tetrachloride	8.365	117	322859	76.039	ug/l	95
34) Benzene	8.612	78	913710	74.260	ug/l	99
35) Methacrylonitrile	7.777	41	203272	79.346	ug/l	94
36) 1,2-Dichloroethane	8.671	62	337116	73.164	ug/l	96
37) Trichloroethene	9.359	130	222523	72.654	ug/l	94
38) Methylcyclohexane	9.606	83	286238	79.185	ug/l	97
39) 1,2-Dichloropropane	9.630	63	240173	72.466	ug/l	99
40) Dibromomethane	9.712	93	161143	72.535	ug/l	98
41) Bromodichloromethane	9.894	83	335015	74.986	ug/l	100
42) Vinyl Acetate	6.606	43	2630374	388.141	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	362295	79.260	ug/l	100
44) Isopropyl Acetate	8.694	43	620573	75.528	ug/l	98
45) 1,4-Dioxane	9.700	88	90428	1462.517	ug/l	99
46) Methyl methacrylate	9.688	41	291846	80.618	ug/l	95
47) n-amyl Acetate	12.500	43	534795	84.819	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	380861	80.041	ug/l	96
49) cis-1,3-Dichloropropene	10.318	75	403964	79.173	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	223669	74.502	ug/l	98
51) Ethyl methacrylate	10.877	69	375316	80.770	ug/l	96
52) 1,3-Dichloropropane	11.171	76	400436	74.468	ug/l	99
53) Dibromochloromethane	11.365	129	253762	77.228	ug/l	98
54) 1,2-Dibromoethane	11.471	107	234653	76.131	ug/l	96
55) 2-Chloroethyl vinyl ether	10.165	63	826259	384.705	ug/l	99
56) Bromoform	12.582	173	180898	78.029	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	1833731	385.005	ug/l	99
59) 2-Hexanone	11.200	43	1393328	399.272	ug/l	99
61) Tetrachloroethene	11.106	164	173316	74.564	ug/l	95
62) Toluene	10.635	91	990160	75.550	ug/l	98
64) Chlorobenzene	11.894	112	588203	74.644	ug/l	91
65) 1,1,1,2-Tetrachloroethane	11.965	131	227763	75.592	ug/l	99
66) Ethyl Benzene	11.971	91	1070629	78.096	ug/l	100
67) m/p-Xylenes	12.076	106	808906	158.251	ug/l	99
68) o-Xylene	12.406	106	396454	78.662	ug/l	100
69) Styrene	12.418	104	673557	82.248	ug/l	98
70) Isopropylbenzene	12.700	105	981453	80.370	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	342056	74.721	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	275956m	68.791	ug/l	
73) Bromobenzene	12.988	156	242747	78.081	ug/l	97
74) n-propylbenzene	13.041	91	1131025	81.723	ug/l	99
75) 2-Chlorotoluene	13.129	91	697863	79.484	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	779094	80.482	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	121054	86.737	ug/l	87
78) 4-Chlorotoluene	13.223	91	694381	82.552	ug/l	100
79) tert-butylbenzene	13.441	119	649085	79.348	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	772488	81.155	ug/l	100
81) sec-Butylbenzene	13.623	105	898544	83.231	ug/l	98
82) p-Isopropyltoluene	13.735	119	743516	84.355	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	414292	82.573	ug/l	98
84) 1,4-Dichlorobenzene	13.818	146	421406	85.549	ug/l	98
85) n-Butylbenzene	14.059	91	616928	88.992	ug/l	98
86) Hexachloroethane	14.335	117	145637	80.753	ug/l	97
87) 1,2-Dichlorobenzene	14.112	146	426051	82.909	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	68535	83.412	ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	186988	92.113	ug/l	98
90) Hexachlorobutadiene	15.506	225	84669	80.133	ug/l	96
91) Naphthalene	15.647	128	587019	100.286	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	186988	92.137	ug/l	98

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

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