

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081723\
 Data File : VN078922.D
 Acq On : 17 Aug 2023 13:27
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Aug 18 05:05:29 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	7.812	128	40101	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	226638	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	198413	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	99410	30.599	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.000%			
60) 4-Bromofluorobenzene	12.853	95	84037	29.036	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.800%			
63) Toluene-d8	10.570	98	283642	30.612	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.033%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	24236	9.578	ug/l	98
3) Chloromethane	2.365	50	29623	9.768	ug/l	99
4) Vinyl Chloride	2.512	62	29197	9.728	ug/l	96
5) Bromomethane	2.953	94	17969	9.699	ug/l	85
6) Chloroethane	3.118	64	19294	9.892	ug/l	100
7) Trichlorofluoromethane	3.494	101	40445	10.005	ug/l	97
8) Diethyl Ether	3.965	74	14269	9.385	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	20155m	9.557	ug/l	
10) 1,1-Dichloroethene	4.341	96	20447	9.559	ug/l #	88
11) Methyl Iodide	4.589	142	22408	8.742	ug/l	89
12) Methyl Acetate	5.041	43	48423	9.726	ug/l #	91
13) Acrolein	4.183	56	18549	53.451	ug/l	98
14) Acrylonitrile	5.730	53	62291	47.595	ug/l #	93
15) Acetone	4.430	58	16615	41.338	ug/l	93
16) Carbon Disulfide	4.712	76	58315	9.555	ug/l	99
17) Allyl chloride	5.030	41	36650	9.605	ug/l	90
18) Methylene Chloride	5.283	84	23767m	9.360	ug/l	
19) trans-1,2-Dichloroethene	5.788	96	24419m	10.215	ug/l	
20) Diisopropyl ether	6.677	45	79905	9.435	ug/l #	85
21) 1,1-Dichloroethane	6.571	63	43354	9.226	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	25157	9.194	ug/l	95
23) tert-Butyl Alcohol	5.524	59	22255m	45.587	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	70404	9.333	ug/l #	87
25) Chloroform	7.971	83	45599	9.632	ug/l	92
26) Cyclohexane	8.265	56	31055	9.034	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	31022	8.998	ug/l	96
30) 2-Butanone	7.488	43	89054	44.123	ug/l	98
31) 2,2-Dichloropropane	7.506	77	33375	8.759	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	37596	9.134	ug/l	98
33) Carbon Tetrachloride	8.365	117	33432m	9.377	ug/l	
34) Benzene	8.612	78	96628	9.353	ug/l #	92
35) Methacrylonitrile	7.782	41	19111	8.884	ug/l	94
36) 1,2-Dichloroethane	8.682	62	36103	9.331	ug/l	99
37) Trichloroethene	9.353	130	23972	9.321	ug/l	86
38) Methylcyclohexane	9.606	83	27593	9.091	ug/l	94
39) 1,2-Dichloropropane	9.629	63	26303	9.451	ug/l	97
40) Dibromomethane	9.712	93	18148	9.728	ug/l	95
41) Bromodichloromethane	9.900	83	34165	9.107	ug/l #	98
42) Vinyl Acetate	6.612	43	255960	44.981	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	36659m	9.551	ug/l	
44) Isopropyl Acetate	8.694	43	64309	9.321	ug/l	97
45) 1,4-Dioxane	9.706	88	9636	185.599	ug/l	97
46) Methyl methacrylate	9.688	41	24711	8.129	ug/l	88
47) n-amyl Acetate	12.500	43	43392	8.196	ug/l	96
48) t-1,3-Dichloropropene	10.835	75	35058	8.774	ug/l	93
49) cis-1,3-Dichloropropene	10.318	75	38705	9.034	ug/l	91
50) 1,1,2-Trichloroethane	11.023	97	23865	9.467	ug/l	93
51) Ethyl methacrylate	10.876	69	34534	8.851	ug/l	97
52) 1,3-Dichloropropane	11.170	76	41394	9.168	ug/l	98
53) Dibromochloromethane	11.365	129	25572	9.268	ug/l	91
54) 1,2-Dibromoethane	11.470	107	24398	9.427	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	96243	53.366	ug/l	96
56) Bromoform	12.582	173	17432	8.955	ug/l	98
58) 4-Methyl-2-Pentanone	10.453	43	185356	47.086	ug/l	99
59) 2-Hexanone	11.200	43	130198	45.141	ug/l	99
61) Tetrachloroethene	11.112	164	18501	9.630	ug/l	93
62) Toluene	10.635	91	102684	9.479	ug/l	100
64) Chlorobenzene	11.900	112	60550	9.297	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	22612	9.080	ug/l	97
66) Ethyl Benzene	11.970	91	105560	9.316	ug/l	97
67) m/p-Xylenes	12.076	106	75882	17.961	ug/l	96
68) o-Xylene	12.406	106	37844	9.085	ug/l	96
69) Styrene	12.412	104	58998	8.716	ug/l	98
70) Isopropylbenzene	12.700	105	91690	9.084	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	36650	9.687	ug/l	98
72) 1,2,3-Trichloropropane	13.000	75	31103m	9.381	ug/l	
73) Bromobenzene	12.982	156	24008	9.343	ug/l	95
74) n-propylbenzene	13.041	91	102570	8.967	ug/l	100
75) 2-Chlorotoluene	13.135	91	67246	9.267	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	71223	8.902	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	10274	8.907	ug/l	93
78) 4-Chlorotoluene	13.229	91	61230	8.807	ug/l	99
79) tert-butylbenzene	13.441	119	60558	8.957	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	69593	8.846	ug/l	98
81) sec-Butylbenzene	13.623	105	81408	9.124	ug/l	95
82) p-Isopropyltoluene	13.735	119	63966	8.780	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	36066	8.697	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	35245	8.657	ug/l	96
85) n-Butylbenzene	14.059	91	48956	8.544	ug/l	97
86) Hexachloroethane	14.341	117	14223	9.542	ug/l	97
87) 1,2-Dichlorobenzene	14.111	146	37428	8.812	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.729	75	6600	9.719	ug/l	94
89) 1,2,4-Trichlorobenzene	15.847	180	14480	8.630	ug/l	98
90) Hexachlorobutadiene	15.505	225	8922	10.216	ug/l	96
91) Naphthalene	15.647	128	38042	7.863	ug/l	98
92) 1,2,3-Trichlorobenzene	15.847	180	14480	8.633	ug/l	98

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

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