

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080668.D
 Acq On : 11 Jan 2024 10:53
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2024
 Supervised By : Semsettin Yesilyurt 01/12/2024

Quant Time: Jan 12 04:39:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 04:36:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	15423	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	130053	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	142769	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76643	30.773	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.567%			
60) 4-Bromofluorobenzene	12.847	95	97332	30.818	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.733%			
63) Toluene-d8	10.571	98	190612	30.421	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	135569	51.719	ug/l	92
3) Chloromethane	2.365	50	163249	45.719	ug/l	100
4) Vinyl Chloride	2.518	62	130956	48.213	ug/l	97
5) Bromomethane	2.959	94	47365	47.491	ug/l	96
6) Chloroethane	3.124	64	70348	47.906	ug/l	98
7) Trichlorofluoromethane	3.500	101	200554	49.424	ug/l	98
8) Diethyl Ether	3.959	74	91798	51.452	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.371	101	112849	48.260	ug/l	65
10) 1,1-Dichloroethene	4.342	96	120713	47.961	ug/l #	81
11) Methyl Iodide	4.589	142	106328	49.632	ug/l	93
12) Methyl Acetate	5.024	43	138140	46.485	ug/l #	73
13) Acrolein	4.171	56	88450	223.379	ug/l	97
14) Acrylonitrile	5.718	53	324624	242.416	ug/l	98
15) Acetone	4.424	58	76019	250.355	ug/l	75
16) Carbon Disulfide	4.712	76	380463	48.894	ug/l	97
17) Allyl chloride	5.030	41	265998m	51.891	ug/l	
18) Methylene Chloride	5.277	84	138527	47.460	ug/l #	83
19) trans-1,2-Dichloroethene	5.783	96	128721	48.742	ug/l	90
20) Diisopropyl ether	6.671	45	495873	48.091	ug/l #	93
21) 1,1-Dichloroethane	6.565	63	269968	48.180	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	148580	48.072	ug/l #	83
23) tert-Butyl Alcohol	5.518	59	109961	238.038	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	434446	47.829	ug/l #	82
25) Chloroform	7.965	83	254631	48.809	ug/l	96
26) Cyclohexane	8.259	56	217334	49.323	ug/l	91
29) 1,1-Dichloropropene	8.371	75	193539	48.956	ug/l	95
30) 2-Butanone	7.477	43	426953	244.061	ug/l #	90
31) 2,2-Dichloropropane	7.488	77	235041	49.490	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	218498	50.228	ug/l #	94
33) Carbon Tetrachloride	8.365	117	169854	49.440	ug/l	96
34) Benzene	8.606	78	570976	48.692	ug/l	97
35) Methacrylonitrile	7.777	41	115163	52.462	ug/l	92
36) 1,2-Dichloroethane	8.671	62	212629	49.314	ug/l	96
37) Trichloroethene	9.353	130	126639	49.520	ug/l #	79
38) Methylcyclohexane	9.600	83	190693	49.513	ug/l	92
39) 1,2-Dichloropropane	9.624	63	153542	48.581	ug/l	96
40) Dibromomethane	9.712	93	90902	48.338	ug/l	88
41) Bromodichloromethane	9.888	83	205136	49.848	ug/l #	97
42) Vinyl Acetate	6.600	43	2048276	251.918	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	183692	50.006	ug/l	96
44) Isopropyl Acetate	8.688	43	346662	49.437	ug/l	89
45) 1,4-Dioxane	9.694	88	37812	948.120	ug/l #	84
46) Methyl methacrylate	9.682	41	162333	49.163	ug/l	79
47) n-amyl Acetate	12.494	43	310103	49.323	ug/l #	85
48) t-1,3-Dichloropropene	10.835	75	239014	49.292	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	257087	49.952	ug/l #	80
50) 1,1,2-Trichloroethane	11.018	97	127096	49.212	ug/l	94
51) Ethyl methacrylate	10.876	69	223003	49.951	ug/l	71
52) 1,3-Dichloropropane	11.165	76	237745	48.899	ug/l	100
53) Dibromochloromethane	11.359	129	129921	50.272	ug/l	99
54) 1,2-Dibromoethane	11.465	107	125550	49.455	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	570984	248.828	ug/l	94
56) Bromoform	12.576	173	75474	49.438	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	926251	246.627	ug/l #	85
59) 2-Hexanone	11.194	43	707938	252.465	ug/l #	85
61) Tetrachloroethene	11.106	164	93233	49.058	ug/l	92
62) Toluene	10.629	91	564457	49.156	ug/l	100
64) Chlorobenzene	11.894	112	318195	49.751	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	115772	50.380	ug/l	96
66) Ethyl Benzene	11.965	91	608095	50.349	ug/l	96
67) m/p-Xylenes	12.070	106	440770	101.539	ug/l	96
68) o-Xylene	12.400	106	216831	50.086	ug/l	93
69) Styrene	12.412	104	365916	50.310	ug/l	97
70) Isopropylbenzene	12.694	105	534838	50.549	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	165075	47.798	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	158565m	46.731	ug/l	
73) Bromobenzene	12.982	156	109592	48.593	ug/l	71
74) n-propylbenzene	13.035	91	652900	51.166	ug/l	97
75) 2-Chlorotoluene	13.123	91	402134	50.112	ug/l	96
76) 1,3,5-Trimethylbenzene	13.176	105	441760	50.163	ug/l	96
77) t-1,4-Dichloro-2-butene	12.735	75	68309	50.906	ug/l	94
78) 4-Chlorotoluene	13.223	91	406719	50.704	ug/l	95
79) tert-butylbenzene	13.441	119	347301	50.524	ug/l	93
80) 1,2,4-Trimethylbenzene	13.482	105	437573	50.787	ug/l	97
81) sec-Butylbenzene	13.617	105	510398	50.439	ug/l	97
82) p-Isopropyltoluene	13.729	119	387526	50.218	ug/l	95
83) 1,3-Dichlorobenzene	13.735	146	188675	48.222	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	199521	50.645	ug/l	96
85) n-Butylbenzene	14.059	91	395538	51.876	ug/l	97
86) Hexachloroethane	14.335	117	76005	52.376	ug/l	77
87) 1,2-Dichlorobenzene	14.106	146	189941	49.488	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	36940	51.373	ug/l #	77
89) 1,2,4-Trichlorobenzene	15.841	180	97688	50.745	ug/l	97
90) Hexachlorobutadiene	15.500	225	43478	49.294	ug/l	99
91) Naphthalene	15.641	128	377866	50.350	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	97688	50.745	ug/l	97

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

