

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
 Data File : VN069440.D
 Acq On : 10 Nov 2021 14:15
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 10 14:32:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:06:09 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Semsettin Yesilyurt 11/16/2021

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

Internal Standards						
1) Bromochloromethane	7.659	128	212971	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1167170	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	1147262	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	516778	31.154	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	103.833%		
60) 4-Bromofluorobenzene	12.731	95	587729	29.877	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.600%		
63) Toluene-d8	10.443	98	1526130	29.443	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.133%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	2435826	172.977	ug/l	99
3) Chloromethane	2.301	50	2446811	167.131	ug/l	96
4) Vinyl Chloride	2.445	62	2475119	141.832	ug/l	99
5) Bromomethane	2.818	94	1552862	135.674	ug/l	99
6) Chloroethane	2.990	64	1457444	128.840	ug/l	97
7) Trichlorofluoromethane	3.360	101	3472035	153.645	ug/l	98
8) Diethyl Ether	3.819	74	1146782	143.330	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.199	101	1658190	135.065	ug/l #	71
10) 1,1-Dichloroethene	4.170	96	1621516	135.375	ug/l	89
11) Methyl Iodide	4.411	142	2421387	143.771	ug/l	95
12) Methyl Acetate	4.854	43	4563090	200.028	ug/l	91
13) Acrolein	4.038	56	577777	420.402	ug/l	100
14) Acrylonitrile	5.556	53	6392473	987.594	ug/l	99
15) Acetone	4.288	58	1870457	924.409	ug/l	80
16) Carbon Disulfide	4.521	76	4496249	139.700	ug/l	99
17) Allyl chloride	4.832	41	3601389	174.598	ug/l	89
18) Methylene Chloride	5.090	84	1998809	140.431	ug/l	88
19) trans-1,2-Dichloroethene	5.591	96	1800437	138.423	ug/l	88
20) Diisopropyl ether	6.498	45	7366895	167.196	ug/l	95
21) 1,1-Dichloroethane	6.385	63	3728858	151.624	ug/l	99
22) cis-1,2-Dichloroethene	7.324	96	2209034	141.696	ug/l	94
23) tert-Butyl Alcohol	5.393	59	2370846	892.715	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	6548293	144.136	ug/l	97
25) Chloroform	7.817	83	3798388	144.539	ug/l	99
26) Cyclohexane	8.096	56	3552455	156.827	ug/l #	88
29) 1,1-Dichloropropene	8.222	75	2818711	153.453	ug/l	96
30) 2-Butanone	7.337	43	9814177	1112.746	ug/l	93
31) 2,2-Dichloropropane	7.324	77	3091090	140.471	ug/l	98
32) 1,1,1-Trichloroethane	8.013	97	3353669	146.739	ug/l	96
33) Carbon Tetrachloride	8.206	117	2836719	146.128	ug/l	98
34) Benzene	8.461	78	8418514	153.487	ug/l	99
35) Methacrylonitrile	7.638	41	1922561	218.725	ug/l	91
36) 1,2-Dichloroethane	8.531	62	3205530	161.935	ug/l	99
37) Trichloroethene	9.217	130	2106128	151.011	ug/l	93
38) Methylcyclohexane	9.461	83	3546720	151.675	ug/l	92
39) 1,2-Dichloropropane	9.491	63	2238772	160.068	ug/l	99
40) Dibromomethane	9.579	93	1510716	154.493	ug/l	96
41) Bromodichloromethane	9.764	83	2999611	153.516	ug/l	97
42) Vinyl Acetate	6.431	43	29520056m	938.008	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	3694676	214.747	ug/l	97
44) Isopropyl Acetate	8.563	43	6066978	190.445	ug/l	96
45) 1,4-Dioxane	9.571	88	1012985	3973.142	ug/l	87
46) Methyl methacrylate	9.561	41	2834482	196.830	ug/l	84
47) n-amyl Acetate	12.390	43	5204055	192.415	ug/l	96
48) t-1,3-Dichloropropene	10.719	75	3473876	153.708	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	3633149	154.375	ug/l	97
50) 1,1,2-Trichloroethane	10.902	97	2168836	154.543	ug/l	98
51) Ethyl methacrylate	10.762	69	3915383	169.247	ug/l	92
52) 1,3-Dichloropropane	11.046	76	3719461	157.528	ug/l	99
53) Dibromochloromethane	11.240	129	2316427	154.617	ug/l	99
54) 1,2-Dibromoethane	11.347	107	2337746	159.345	ug/l	97
55) 2-Chloroethyl vinyl ether	10.043	63	4687797	638.240	ug/l	97
56) Bromoform	12.460	173	1807232	167.346	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	18269994m	943.944	ug/l	
59) 2-Hexanone	11.087	43	14901847	1019.537	ug/l	98
61) Tetrachloroethene	10.979	164	1842262	147.751	ug/l	95
62) Toluene	10.507	91	9461692	141.592	ug/l	98
64) Chlorobenzene	11.771	112	5896827	145.499	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	2133409	141.492	ug/l	100
66) Ethyl Benzene	11.846	91	10830612	144.161	ug/l	99
67) m/p-Xylenes	11.956	106	8191881	289.949	ug/l	99
68) o-Xylene	12.283	106	4147758	146.616	ug/l	97
69) Styrene	12.296	104	7052521	150.436	ug/l	98
70) Isopropylbenzene	12.581	105	10828962	146.008	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	3428404	157.715	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	3365581m	180.183	ug/l	
73) Bromobenzene	12.862	156	2564202	152.531	ug/l	94
74) n-propylbenzene	12.921	91	12770778	149.940	ug/l	100
75) 2-Chlorotoluene	13.010	91	7707453	147.786	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	9009290	145.747	ug/l	98
77) t-1,4-Dichloro-2-butene	12.626	75	1161866	159.055	ug/l	97
78) 4-Chlorotoluene	13.106	91	7567747	148.061	ug/l	96
79) tert-butylbenzene	13.326	119	7997834	147.355	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	8790082m	144.856	ug/l	
81) sec-Butylbenzene	13.503	105	11318155	148.962	ug/l	100
82) p-Isopropyltoluene	13.616	119	9224874	148.849	ug/l	100
83) 1,3-Dichlorobenzene	13.616	146	4425988	149.548	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	4304335	149.355	ug/l	99
85) n-Butylbenzene	13.943	91	8084306	155.970	ug/l	98
86) Hexachloroethane	14.214	117	1659732	143.029	ug/l	89
87) 1,2-Dichlorobenzene	13.989	146	4127432	145.956	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	692742	171.088	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	2256752	158.278	ug/l	97
90) Hexachlorobutadiene	15.370	225	1067056	143.143	ug/l	99
91) Naphthalene	15.507	128	6772293	164.207	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	2170531	159.287	ug/l	99

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

