

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042021\
 Data File : VN066676.D
 Acq On : 20 Apr 2021 12:17
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/21/2021 4:34:49 PM

Quant Time: Apr 20 12:40:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Apr 20 12:20:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.114	128	52975	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.519	114	282610	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.348	117	270558	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.953	65	112082	37.86	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 126.20%#			
60) 4-Bromofluorobenzene	12.344	95	133662	42.84	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 142.80%#			
63) Toluene-d8	10.029	98	365997	38.01	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 126.70%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.833	85	403272	158.84	ug/l	97
3) Chloromethane	2.034	50	625798	157.56	ug/l	100
4) Vinyl Chloride	2.163	62	603700	161.89	ug/l	99
5) Bromomethane	2.493	94	299636	130.64	ug/l	95
6) Chloroethane	2.640	64	365025	160.13	ug/l	98
7) Trichlorofluoromethane	2.962	101	674372	162.61	ug/l	100
8) Diethyl Ether	3.354	74	310860	170.79	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.691	101	425101	161.17	ug/l	98
10) 1,1-Dichloroethene	3.670	96	440141	167.45	ug/l	95
11) Methyl Iodide	3.882	142	684917	174.91	ug/l	95
12) Methyl Acetate	4.249	43	567378	153.51	ug/l	100
13) Acrolein	3.544	56	430737	342.43	ug/l	96
14) Acrylonitrile	4.893	53	1325878	337.27	ug/l	99
15) Acetone	3.753	58	328544	322.52	ug/l	89
16) Carbon Disulfide	3.981	76	1364391	168.66	ug/l	99
17) Allyl chloride	4.244	41	907370	171.96	ug/l	92
18) Methylene Chloride	4.469	84	549509	161.90	ug/l	97
19) trans-1,2-Dichloroethene	4.949	96	498716	167.60	ug/l	97
20) Diisopropyl ether	5.864	45	1880612	174.39	ug/l	95
21) 1,1-Dichloroethane	5.757	63	973977	165.09	ug/l	99
22) cis-1,2-Dichloroethene	6.741	96	584701	170.61	ug/l	99
23) tert-Butyl Alcohol	4.711	59	446209	344.76	ug/l #	100
24) Methyl tert-Butyl Ether	4.955	73	1578305	175.33	ug/l	94
25) Chloroform	7.291	83	925995	163.17	ug/l	96
26) Cyclohexane	7.578	56	899232	182.68	ug/l #	97
29) 1,1-Dichloropropene	7.717	75	729038	174.17	ug/l	100
30) 2-Butanone	6.746	43	1694680	335.91	ug/l	99
31) 2,2-Dichloropropane	6.733	77	793731	160.27	ug/l	98
32) 1,1,1-Trichloroethane	7.492	97	777393	160.08	ug/l	99
33) Carbon Tetrachloride	7.698	117	662602	162.61	ug/l	95
34) Benzene	7.967	78	2251813	163.92	ug/l #	90
35) Methacrylonitrile	7.084	41	333698	168.15	ug/l	96
36) 1,2-Dichloroethane	8.050	62	725181	158.42	ug/l	98
37) Trichloroethene	8.768	130	542844	167.36	ug/l	99
38) Methylcyclohexane	9.015	83	896392	182.39	ug/l	98
39) 1,2-Dichloropropane	9.053	63	618048	165.00	ug/l	100
40) Dibromomethane	9.141	93	367693	162.59	ug/l	98
41) Bromodichloromethane	9.340	83	776498	164.66	ug/l	98
42) Vinyl Acetate	5.805	43	7689986	334.25	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.843	43	735015m	165.80	ug/l	
44) Isopropyl Acetate	8.093	43	1260099	167.72	ug/l #	90
45) 1,4-Dioxane	9.136	88	188073	452.07	ug/l	99
46) Methyl methacrylate	9.136	41	615436	185.35	ug/l	92
47) n-amyl Acetate	12.016	43	959366	273.32	ug/l	97
48) t-1,3-Dichloropropene	10.321	75	902546	179.10	ug/l	100
49) cis-1,3-Dichloropropene	9.777	75	979368	175.34	ug/l	91
50) 1,1,2-Trichloroethane	10.501	97	538477	162.39	ug/l	98
51) Ethyl methacrylate	10.370	69	856823	193.16	ug/l	93
52) 1,3-Dichloropropane	10.646	76	933228	166.71	ug/l	99
53) Dibromochloromethane	10.842	129	602253	169.40	ug/l	100
54) 1,2-Dibromoethane	10.946	107	557729	169.39	ug/l	99
55) 2-Chloroethyl vinyl ether	9.632	63	722391	395.65	ug/l	99
56) Bromoform	12.070	173	440756	172.92	ug/l #	99
58) 4-Methyl-2-Pentanone	9.922	43	3643193	335.18	ug/l	98
59) 2-Hexanone	10.694	43	2548350	354.24	ug/l	98
61) Tetrachloroethene	10.573	164	457602	158.15	ug/l	97
62) Toluene	10.093	91	2407628	163.80	ug/l	100
64) Chlorobenzene	11.375	112	1462378	167.03	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.450	131	542673	164.19	ug/l	99
66) Ethyl Benzene	11.453	91	2702754	176.66	ug/l	99
67) m/p-Xylenes	11.563	106	2046706	256.03	ug/l	96
68) o-Xylene	11.890	106	989452	178.15	ug/l	100
69) Styrene	11.906	104	1681715	193.64	ug/l	99
70) Isopropylbenzene	12.193	105	2590632	179.08	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.448	83	781998	155.84	ug/l	98
72) 1,2,3-Trichloropropane	12.496	75	776577m	187.90	ug/l	
73) Bromobenzene	12.467	156	646266	174.04	ug/l	95
74) n-propylbenzene	12.534	91	3073110	185.16	ug/l	100
75) 2-Chlorotoluene	12.617	91	1826314	183.18	ug/l	99
76) 1,3,5-Trimethylbenzene	12.676	105	2212867	181.13	ug/l	100
77) t-1,4-Dichloro-2-butene	12.244	75	273370	225.43	ug/l	90
78) 4-Chlorotoluene	12.716	91	1859800	193.79	ug/l	99
79) tert-butylbenzene	12.936	119	1852504	180.69	ug/l	99
80) 1,2,4-Trimethylbenzene	12.982	105	2194671	191.30	ug/l	99
81) sec-Butylbenzene	13.116	105	2548131	190.88	ug/l	100
82) p-Isopropyltoluene	13.231	119	2243188	198.93	ug/l	100
83) 1,3-Dichlorobenzene	13.226	146	1121204	187.15	ug/l	99
84) 1,4-Dichlorobenzene	13.306	146	1126156	201.50	ug/l	100
85) n-Butylbenzene	13.558	91	1972191	215.24	ug/l	98
86) Hexachloroethane	13.816	117	437786	175.71	ug/l	94
87) 1,2-Dichlorobenzene	13.596	146	1073764	181.11	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.213	75	138621	159.64	ug/l	100
89) 1,2,4-Trichlorobenzene	14.848	180	666627	200.30	ug/l	97
90) Hexachlorobutadiene	14.948	225	329266	165.00	ug/l	99
91) Naphthalene	15.068	128	1661503	210.81	ug/l	100
92) 1,2,3-Trichlorobenzene	15.248	180	626192	198.06	ug/l	99

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

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