

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
 Data File : VN066309.D
 Acq On : 24 Mar 2021 14:06
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 10:40:58 AM

Quant Time: Mar 25 04:36:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 04:35:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.102	128	78136	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.512	114	431734	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	377042	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.947	65	184138	27.69	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	92.30%		
60) 4-Bromofluorobenzene	12.345	95	172442	26.80	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	89.33%		
63) Toluene-d8	10.025	98	531547	31.22	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.07%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.818	85	25665	6.41	ug/l	96
3) Chloromethane	2.014	50	31359	5.95	ug/l	95
4) Vinyl Chloride	2.143	62	31811	5.74	ug/l	98
5) Bromomethane	2.508	94	23941	6.23	ug/l	97
6) Chloroethane	2.644	64	20723	6.26	ug/l	95
7) Trichlorofluoromethane	2.955	101	46699	5.63	ug/l	95
8) Diethyl Ether	3.339	74	15195	5.36	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.680	101	22788	6.33	ug/l	100
10) 1,1-Dichloroethene	3.658	96	22010	5.57	ug/l	90
11) Methyl Iodide	3.867	142	28087	4.57	ug/l	100
12) Methyl Acetate	4.235	43	29142	6.21	ug/l	91
13) Acrolein	3.529	56	20474m	30.69	ug/l	
14) Acrylonitrile	4.878	53	65938	30.31	ug/l	97
15) Acetone	3.739	58	24101	38.94	ug/l	91
16) Carbon Disulfide	3.969	76	63730	5.52	ug/l	97
17) Allyl chloride	4.235	41	37992	5.21	ug/l	98
18) Methylene Chloride	4.455	84	26890	5.50	ug/l	98
19) trans-1,2-Dichloroethene	4.932	96	24704m	5.50	ug/l	
20) Diisopropyl ether	5.847	45	81899	5.71	ug/l	91
21) 1,1-Dichloroethane	5.745	63	46151	5.28	ug/l	98
22) cis-1,2-Dichloroethene	6.732	96	28853	5.27	ug/l	96
23) tert-Butyl Alcohol	4.685	59	26599	27.84	ug/l #	100
24) Methyl tert-Butyl Ether	4.935	73	81231	5.09	ug/l	100
25) Chloroform	7.284	83	46196	4.94	ug/l	98
26) Cyclohexane	7.568	56	42194	6.12	ug/l #	98
29) 1,1-Dichloropropene	7.711	75	34613	5.38	ug/l	99
30) 2-Butanone	6.734	43	98976	35.06	ug/l	97
31) 2,2-Dichloropropane	6.726	77	43227	5.19	ug/l	93
32) 1,1,1-Trichloroethane	7.483	97	41721	5.08	ug/l	100
33) Carbon Tetrachloride	7.692	117	35173	5.00	ug/l	97
34) Benzene	7.960	78	102264	5.23	ug/l #	65
35) Methacrylonitrile	7.078	41	16235	5.45	ug/l	96
36) 1,2-Dichloroethane	8.046	62	37514	4.78	ug/l	97
37) Trichloroethene	8.767	130	27079	5.14	ug/l	96
38) Methylcyclohexane	9.011	83	43257	6.07	ug/l	99
39) 1,2-Dichloropropane	9.049	63	28336	5.62	ug/l	97
40) Dibromomethane	9.140	93	17521	5.16	ug/l	100
41) Bromodichloromethane	9.336	83	37213	4.91	ug/l	97
42) Vinyl Acetate	5.788	43	371041	30.56	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.828	43	33026	5.37	ug/l #	100
44) Isopropyl Acetate	8.086	43	64950	6.12	ug/l #	100
45) 1,4-Dioxane	9.132	88	8774	102.37	ug/l #	60
46) Methyl methacrylate	9.132	41	30019	6.06	ug/l	97
47) n-amyl Acetate	12.034	43	7320m	1.04	ug/l	
48) t-1,3-Dichloropropene	10.320	75	39763	4.59	ug/l	96
49) cis-1,3-Dichloropropene	9.773	75	42499	4.73	ug/l	97
50) 1,1,2-Trichloroethane	10.502	97	25122	5.22	ug/l	94
51) Ethyl methacrylate	10.368	69	36998	5.02	ug/l	97
52) 1,3-Dichloropropane	10.647	76	41898	5.03	ug/l	99
53) Dibromochloromethane	10.840	129	27053	4.66	ug/l	98
54) 1,2-Dibromoethane	10.945	107	24670	4.88	ug/l	96
55) 2-Chloroethyl vinyl ether	9.631	63	27762	12.33	ug/l	99
56) Bromoform	12.071	173	19714	5.03	ug/l #	100
58) 4-Methyl-2-Pentanone	9.918	43	189239	34.21	ug/l	99
59) 2-Hexanone	10.696	43	123010	31.80	ug/l	97
61) Tetrachloroethene	10.572	164	28420	5.76	ug/l	98
62) Toluene	10.092	91	110787	5.55	ug/l	98
64) Chlorobenzene	11.374	112	63231	4.95	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.449	131	24639	5.01	ug/l	99
66) Ethyl Benzene	11.455	91	114073	5.03	ug/l	99
67) m/p-Xylenes	11.565	106	85332	9.79	ug/l	100
68) o-Xylene	11.889	106	42313	4.94	ug/l	98
69) Styrene	11.911	104	65621	4.66	ug/l	98
70) Isopropylbenzene	12.192	105	110504	4.92	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.450	83	35331	5.60	ug/l	98
72) 1,2,3-Trichloropropane	12.501	75	33355m	5.30	ug/l	
73) Bromobenzene	12.468	156	27194	4.99	ug/l	97
74) n-propylbenzene	12.535	91	116409	4.68	ug/l	97
75) 2-Chlorotoluene	12.619	91	74089	4.71	ug/l	99
76) 1,3,5-Trimethylbenzene	12.678	105	89587	4.51	ug/l	100
77) t-1,4-Dichloro-2-butene	12.248	75	8729	3.94	ug/l	93
78) 4-Chlorotoluene	12.718	91	67621	4.24	ug/l	99
79) tert-butylbenzene	12.938	119	80514	4.86	ug/l	98
80) 1,2,4-Trimethylbenzene	12.983	105	84836	4.36	ug/l	98
81) sec-Butylbenzene	13.115	105	95609	4.57	ug/l	100
82) p-Isopropyltoluene	13.233	119	84784	4.33	ug/l	97
83) 1,3-Dichlorobenzene	13.230	146	41655	4.46	ug/l	96
84) 1,4-Dichlorobenzene	13.310	146	38646	4.25	ug/l	92
85) n-Butylbenzene	13.560	91	64921	4.15	ug/l	96
86) Hexachloroethane	13.815	117	15930	4.99	ug/l	100
87) 1,2-Dichlorobenzene	13.600	146	41850	4.54	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.220	75	5831	3.95	ug/l #	82
89) 1,2,4-Trichlorobenzene	14.853	180	26707	5.11	ug/l	96
90) Hexachlorobutadiene	14.949	225	16409	6.83	ug/l	98
91) Naphthalene	15.073	128	81548	5.30	ug/l	99
92) 1,2,3-Trichlorobenzene	15.250	180	26357	5.02	ug/l	99

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

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