

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061621\
 Data File : VN067367.D
 Acq On : 16 Jun 2021 17:00
 Operator : JC/MD
 Sample : VN0616WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 3:09:37 PM

Quant Time: Jun 17 04:20:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	66586	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	408765	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	371156	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	215735	30.83	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	102.77%		
60) 4-Bromofluorobenzene	12.736	95	206435	28.81	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.03%		
63) Toluene-d8	10.443	98	550737	31.11	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.70%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	99832	20.10	ug/l	97
3) Chloromethane	2.300	50	100780	18.92	ug/l	99
4) Vinyl Chloride	2.443	62	100769	19.17	ug/l	93
5) Bromomethane	2.850	94	49768	18.86	ug/l	95
6) Chloroethane	3.017	64	59205	19.29	ug/l	90
7) Trichlorofluoromethane	3.371	101	136615	19.46	ug/l	95
8) Diethyl Ether	3.824	74	56667	19.80	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.202	101	86200	20.76	ug/l	97
10) 1,1-Dichloroethene	4.175	96	78615	19.49	ug/l	98
11) Methyl Iodide	4.417	142	78902	16.27	ug/l	99
12) Methyl Acetate	4.856	43	113287	18.93	ug/l	97
13) Acrolein	4.041	56	71655	100.36	ug/l	96
14) Acrylonitrile	5.559	53	246805	98.25	ug/l	99
15) Acetone	4.293	58	63156	100.52	ug/l	90
16) Carbon Disulfide	4.521	76	252743	19.76	ug/l	97
17) Allyl chloride	4.838	41	168222	19.17	ug/l	96
18) Methylene Chloride	5.092	84	98929	19.99	ug/l	98
19) trans-1,2-Dichloroethene	5.594	96	88719	20.18	ug/l	99
20) Diisopropyl ether	6.500	45	344822	20.25	ug/l	99
21) 1,1-Dichloroethane	6.385	63	191384	20.29	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	104760	20.05	ug/l	96
23) tert-Butyl Alcohol	5.387	59	103893	93.31	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	330063	19.26	ug/l	99
25) Chloroform	7.820	83	189180	19.59	ug/l	100
26) Cyclohexane	8.094	56	169474	20.73	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	145746	19.92	ug/l	97
30) 2-Butanone	7.340	43	353838	94.21	ug/l	99
31) 2,2-Dichloropropane	7.327	77	181138	23.12	ug/l	97
32) 1,1,1-Trichloroethane	8.013	97	166614	17.92	ug/l	97
33) Carbon Tetrachloride	8.206	117	134497	17.21	ug/l	98
34) Benzene	8.461	78	410064	19.93	ug/l	99
35) Methacrylonitrile	7.640	41	77736	19.21	ug/l	94
36) 1,2-Dichloroethane	8.533	62	164267	18.76	ug/l	99
37) Trichloroethene	9.215	130	91542	18.79	ug/l	98
38) Methylcyclohexane	9.461	83	168554	22.37	ug/l	96
39) 1,2-Dichloropropane	9.494	63	108309	19.49	ug/l	97
40) Dibromomethane	9.577	93	72092	18.90	ug/l	95
41) Bromodichloromethane	9.764	83	151807	18.46	ug/l	99
42) Vinyl Acetate	6.436	43	1498701m	94.81	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	156227m	20.45	ug/l	
44) Isopropyl Acetate	8.566	43	257656	18.24	ug/l	99
45) 1,4-Dioxane	9.574	88	34406	374.11	ug/l #	94
46) Methyl methacrylate	9.563	41	113768	18.13	ug/l	97
47) n-amyl Acetate	12.390	43	204806	17.10	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	166879	18.37	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	180357	19.76	ug/l	98
50) 1,1,2-Trichloroethane	10.902	97	93422	18.85	ug/l	98
51) Ethyl methacrylate	10.765	69	165926	18.32	ug/l	100
52) 1,3-Dichloropropane	11.046	76	175247	19.41	ug/l	99
53) Dibromochloromethane	11.242	129	94525	17.15	ug/l	99
54) 1,2-Dibromoethane	11.349	107	92471	17.89	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	213774	93.15	ug/l	99
56) Bromoform	12.460	173	57473	15.36	ug/l #	98
58) 4-Methyl-2-Pentanone	10.336	43	754334	92.46	ug/l	99
59) 2-Hexanone	11.089	43	526276	89.20	ug/l	98
61) Tetrachloroethene	10.979	164	81543	18.95	ug/l	92
62) Toluene	10.507	91	434727	19.57	ug/l	98
64) Chlorobenzene	11.776	112	240899	18.46	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.846	131	87698	17.78	ug/l	99
66) Ethyl Benzene	11.848	91	491747	19.06	ug/l	98
67) m/p-Xylenes	11.958	106	341692	37.55	ug/l	100
68) o-Xylene	12.285	106	166295	18.31	ug/l	99
69) Styrene	12.296	104	274706	17.99	ug/l	99
70) Isopropylbenzene	12.583	105	447721	19.14	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	132466	18.61	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	126541m	17.84	ug/l	
73) Bromobenzene	12.865	156	84246	17.30	ug/l	92
74) n-propylbenzene	12.924	91	551776	19.62	ug/l	98
75) 2-Chlorotoluene	13.010	91	328200	18.43	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	375476	18.94	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	44286	17.92	ug/l	94
78) 4-Chlorotoluene	13.109	91	325151	18.36	ug/l	99
79) tert-butylbenzene	13.326	119	302263	18.98	ug/l	99
80) 1,2,4-Trimethylbenzene	13.372	105	368144m	18.81	ug/l	
81) sec-Butylbenzene	13.506	105	446610	20.20	ug/l	100
82) p-Isopropyltoluene	13.618	119	345846	19.40	ug/l	100
83) 1,3-Dichlorobenzene	13.618	146	159850	18.21	ug/l	98
84) 1,4-Dichlorobenzene	13.699	146	156095	17.72	ug/l	99
85) n-Butylbenzene	13.946	91	342800	20.67	ug/l	99
86) Hexachloroethane	14.214	117	63378	17.37	ug/l	95
87) 1,2-Dichlorobenzene	13.991	146	152311	17.78	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	28434	15.77	ug/l	98
89) 1,2,4-Trichlorobenzene	15.268	180	73937	16.97	ug/l	98
90) Hexachlorobutadiene	15.372	225	40894	17.68	ug/l	98
91) Naphthalene	15.509	128	217899	14.90	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	70104	16.54	ug/l	97

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

