

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041321\
 Data File : VN066583.D
 Acq On : 13 Apr 2021 17:30
 Operator : JC/MD
 Sample : VN0413WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/15/2021 7:48:16 PM

Quant Time: Apr 15 19:29:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 15 19:20:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.094	128	47915	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.507	114	230161	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.347	117	228500	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.941	65	132178	29.92	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.73%	
60) 4-Bromofluorobenzene	12.342	95	101769	29.25	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	97.50%	
63) Toluene-d8	10.022	98	328187	29.97	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.90%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.816	85	64613	18.69	ug/l	95
3) Chloromethane	2.014	50	85842	17.70	ug/l	97
4) Vinyl Chloride	2.143	62	81354	18.32	ug/l	96
5) Bromomethane	2.510	94	52229	17.60	ug/l	93
6) Chloroethane	2.644	64	53399	18.04	ug/l	97
7) Trichlorofluoromethane	2.955	101	118055	18.48	ug/l	97
8) Diethyl Ether	3.336	74	42673	18.11	ug/l	72
9) 1,1,2-Trichlorotrifluo...	3.671	101	61284	18.58	ug/l	91
10) 1,1-Dichloroethene	3.647	96	58356	18.15	ug/l	84
11) Methyl Iodide	3.862	142	76031	19.06	ug/l	88
12) Methyl Acetate	4.227	43	109490	16.40	ug/l #	87
13) Acrolein	3.524	56	54816	76.50	ug/l	99
14) Acrylonitrile	4.870	53	148901m	84.12	ug/l	
15) Acetone	3.730	58	52595	80.66	ug/l	69
16) Carbon Disulfide	3.956	76	188585	17.05	ug/l	98
17) Allyl chloride	4.219	41	141237	16.62	ug/l	93
18) Methylene Chloride	4.439	84	59122	16.23	ug/l #	85
19) trans-1,2-Dichloroethene	4.919	96	53906	17.53	ug/l	90
20) Diisopropyl ether	5.849	45	227928	18.40	ug/l #	95
21) 1,1-Dichloroethane	5.737	63	116638	17.71	ug/l	97
22) cis-1,2-Dichloroethene	6.724	96	58803	17.65	ug/l	87
23) tert-Butyl Alcohol	4.707	59	45997	78.04	ug/l #	100
24) Methyl tert-Butyl Ether	4.937	73	171075	17.71	ug/l	92
25) Chloroform	7.279	83	115128	17.81	ug/l	95
26) Cyclohexane	7.560	56	89059	15.84	ug/l #	95
29) 1,1-Dichloropropene	7.705	75	79802	17.42	ug/l	96
30) 2-Butanone	6.740	43	206503	79.74	ug/l	92
31) 2,2-Dichloropropane	6.713	77	98572m	17.63	ug/l	
32) 1,1,1-Trichloroethane	7.477	97	98766	17.56	ug/l	96
33) Carbon Tetrachloride	7.686	117	84409	17.79	ug/l	99
34) Benzene	7.955	78	243748	17.71	ug/l #	90
35) Methacrylonitrile	7.072	41	44276m	17.63	ug/l	
36) 1,2-Dichloroethane	8.040	62	98580	17.60	ug/l	99
37) Trichloroethene	8.756	130	55305	17.72	ug/l	95
38) Methylcyclohexane	9.006	83	80156	17.68	ug/l	89
39) 1,2-Dichloropropane	9.043	63	67851	17.49	ug/l	97
40) Dibromomethane	9.135	93	42521	17.38	ug/l	90
41) Bromodichloromethane	9.333	83	93008	17.41	ug/l	98
42) Vinyl Acetate	5.788	43	940261	90.78	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.833	43	82701	14.33	ug/l #	95
44) Isopropyl Acetate	8.089	43	150742	16.70	ug/l #	81
45) 1,4-Dioxane	9.132	88	16506	336.54	ug/l #	91
46) Methyl methacrylate	9.129	41	69479	16.86	ug/l	92
47) n-amyl Acetate	12.020	43	38044	14.55	ug/l	99
48) t-1,3-Dichloropropene	10.317	75	88310	17.01	ug/l	99
49) cis-1,3-Dichloropropene	9.773	75	97772	17.69	ug/l	94
50) 1,1,2-Trichloroethane	10.497	97	57560	17.42	ug/l	99
51) Ethyl methacrylate	10.368	69	72636	17.26	ug/l	92
52) 1,3-Dichloropropane	10.642	76	100321	17.73	ug/l	100
53) Dibromochloromethane	10.840	129	63766	17.70	ug/l	98
54) 1,2-Dibromoethane	10.945	107	58158	17.94	ug/l	97
55) 2-Chloroethyl vinyl ether	9.628	63	30655	78.76	ug/l	99
56) Bromoform	12.069	173	39852	17.05	ug/l #	100
58) 4-Methyl-2-Pentanone	9.920	43	456610	84.56	ug/l #	92
59) 2-Hexanone	10.693	43	287631	82.18	ug/l	92
61) Tetrachloroethene	10.567	164	50281	17.97	ug/l	97
62) Toluene	10.089	91	254710	18.05	ug/l	100
64) Chlorobenzene	11.371	112	147419	18.03	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.446	131	57428	17.05	ug/l	99
66) Ethyl Benzene	11.452	91	254687	17.65	ug/l	98
67) m/p-Xylenes	11.562	106	192267	35.74	ug/l	98
68) o-Xylene	11.889	106	87645	17.80	ug/l	98
69) Styrene	11.905	104	146098	17.85	ug/l	97
70) Isopropylbenzene	12.192	105	235459	18.05	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.447	83	83644	17.04	ug/l	100
72) 1,2,3-Trichloropropane	12.498	75	72948m	15.92	ug/l	
73) Bromobenzene	12.468	156	57251	17.91	ug/l	89
74) n-propylbenzene	12.533	91	277521	17.99	ug/l	98
75) 2-Chlorotoluene	12.616	91	171672	17.76	ug/l	94
76) 1,3,5-Trimethylbenzene	12.678	105	197687	17.89	ug/l	96
77) t-1,4-Dichloro-2-butene	12.243	75	17490	16.82	ug/l	91
78) 4-Chlorotoluene	12.718	91	163466	18.15	ug/l	98
79) tert-butylbenzene	12.935	119	160196	17.65	ug/l	97
80) 1,2,4-Trimethylbenzene	12.983	105	190385	18.28	ug/l	100
81) sec-Butylbenzene	13.115	105	221093	17.84	ug/l	98
82) p-Isopropyltoluene	13.233	119	184542	17.83	ug/l	97
83) 1,3-Dichlorobenzene	13.227	146	98327	17.58	ug/l	96
84) 1,4-Dichlorobenzene	13.308	146	95385	16.51	ug/l	96
85) n-Butylbenzene	13.560	91	146292	15.97	ug/l	98
86) Hexachloroethane	13.815	117	42544	17.02	ug/l	84
87) 1,2-Dichlorobenzene	13.597	146	95458	17.46	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.236	75	14676m	16.15	ug/l	
89) 1,2,4-Trichlorobenzene	14.979	180	49482	15.45	ug/l	97
90) Hexachlorobutadiene	15.105	225	30987	17.09	ug/l	95
91) Naphthalene	15.266	128	118149	13.76	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.504	180	47891	15.47	ug/l	98

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

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