

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063896.D
 Acq On : 6 Oct 2020 16:01
 Operator : JC/MD
 Sample : VN1006WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1006WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:41 PM

Quant Time: Oct 06 16:57:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	55299	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	292792	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	273363	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	146945	29.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.63%
60) 4-Bromofluorobenzene	12.38	95	136682	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.06	98	383647	30.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	63203	16.886	ug/l 98
3) Chloromethane	2.04	50	63866	16.489	ug/l 99
4) Vinyl Chloride	2.16	62	62523	16.227	ug/l 99
5) Bromomethane	2.54	94	40890	16.488	ug/l 98
6) Chloroethane	2.68	64	38839	16.068	ug/l 97
7) Trichlorofluoromethane	2.98	101	100268	16.485	ug/l 97
8) Diethyl Ether	3.37	74	32627	16.566	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	50377	15.939	ug/l 95
10) 1,1-Dichloroethene	3.70	96	50126	16.892	ug/l 92
11) Methyl Iodide	3.91	142	55896	14.763	ug/l 89
12) Methyl Acetate	4.28	43	58640	16.057	ug/l 96
13) Acrolein	3.57	56	37778	106.276	ug/l 98
14) Acrylonitrile	4.93	53	109328	72.811	ug/l 93
15) Acetone	3.77	58	32771	75.397	ug/l # 68
16) Carbon Disulfide	4.01	76	138827	15.776	ug/l 96
17) Allyl chloride	4.27	41	85692	15.515	ug/l 82
18) Methylene Chloride	4.50	84	59399	16.700	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	53386	15.928	ug/l 95
20) Diisopropyl ether	5.90	45	168928	15.215	ug/l 90
21) 1,1-Dichloroethane	5.80	63	108555	16.151	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	62485	16.422	ug/l 94
23) tert-Butyl Alcohol	4.73	59	46015	71.443	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	156447	15.715	ug/l 92
25) Chloroform	7.33	83	113518	16.108	ug/l 99
26) Cyclohexane	7.61	56	75880	15.673	ug/l # 96
29) 1,1-Dichloropropene	7.75	75	82279	16.047	ug/l 96
30) 2-Butanone	6.78	43	181100	72.012	ug/l 97
31) 2,2-Dichloropropane	6.78	77	99807	16.288	ug/l 95
32) 1,1,1-Trichloroethane	7.53	97	105907	16.191	ug/l 97
33) Carbon Tetrachloride	7.73	117	90001	15.704	ug/l 94
34) Benzene	8.00	78	229558	15.747	ug/l 94
35) Methacrylonitrile	7.13	41	35997	15.060	ug/l 86
36) 1,2-Dichloroethane	8.09	62	100417	15.677	ug/l # 93
37) Trichloroethene	8.80	130	60075	15.728	ug/l 98
38) Methylcyclohexane	9.05	83	67333	15.553	ug/l 99
39) 1,2-Dichloropropane	9.08	63	61721	15.582	ug/l 98
40) Dibromomethane	9.17	93	43939	15.883	ug/l 89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	88526	15.396	ug/l	97
42) Vinyl Acetate	5.84	43	805280	77.154	ug/l	98
43) Ethyl Acetate	6.88	43	88000m	16.340	ug/l	
44) Isopropyl Acetate	8.13	43	136145	15.254	ug/l	92
45) 1,4-Dioxane	9.16	88	15446	269.926	ug/l	97
46) Methyl methacrylate	9.17	41	66324	14.936	ug/l	84
47) n-amyl Acetate	12.05	43	110727	13.953	ug/l	93
48) t-1,3-Dichloropropene	10.35	75	94095	15.144	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	98338	15.262	ug/l #	80
50) 1,1,2-Trichloroethane	10.53	97	58601	15.863	ug/l	97
51) Ethyl methacrylate	10.40	69	80104	14.950	ug/l	83
52) 1,3-Dichloropropane	10.68	76	98990	15.643	ug/l	100
53) Dibromochloromethane	10.87	129	65353	15.371	ug/l	99
54) 1,2-Dibromoethane	10.98	107	60120	15.522	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	231327	80.902	ug/l	99
56) Bromoform	12.10	173	44846	15.222	ug/l	94
58) 4-Methyl-2-Pentanone	9.95	43	397399	74.906	ug/l	95
59) 2-Hexanone	10.72	43	292032	73.901	ug/l	94
61) Tetrachloroethene	10.60	164	56429	16.272	ug/l	93
62) Toluene	10.13	91	253180	16.126	ug/l	99
64) Chlorobenzene	11.41	112	152412	16.017	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	59955	16.110	ug/l	100
66) Ethyl Benzene	11.49	91	274127	15.900	ug/l	99
67) m/p-Xylenes	11.59	106	201017	31.354	ug/l	96
68) o-Xylene	11.92	106	94217	15.424	ug/l	90
69) Styrene	11.94	104	160046	15.356	ug/l	96
70) Isopropylbenzene	12.22	105	255102	15.717	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	78371	15.275	ug/l	95
72) 1,2,3-Trichloropropane	12.53	75	76763m	14.673	ug/l	
73) Bromobenzene	12.50	156	65379	15.892	ug/l	89
74) n-propylbenzene	12.57	91	292904	15.437	ug/l	99
75) 2-Chlorotoluene	12.65	91	185525	16.030	ug/l	95
76) 1,3,5-Trimethylbenzene	12.71	105	212372	15.516	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	25768	13.848	ug/l	83
78) 4-Chlorotoluene	12.75	91	190880	15.575	ug/l	97
79) tert-butylbenzene	12.97	119	171794	15.667	ug/l	96
80) 1,2,4-Trimethylbenzene	13.02	105	213130	15.533	ug/l	97
81) sec-Butylbenzene	13.15	105	223210	15.487	ug/l	97
82) p-Isopropyltoluene	13.26	119	196655	15.096	ug/l	95
83) 1,3-Dichlorobenzene	13.26	146	109644	14.986	ug/l	96
84) 1,4-Dichlorobenzene	13.34	146	106481	14.651	ug/l	95
85) n-Butylbenzene	13.59	91	163408	14.337	ug/l	99
86) Hexachloroethane	13.85	117	33671	14.998	ug/l	83
87) 1,2-Dichlorobenzene	13.63	146	108222	15.074	ug/l	94
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17257	14.077	ug/l	87
89) 1,2,4-Trichlorobenzene	14.88	180	50166	13.746	ug/l	97
90) Hexachlorobutadiene	14.98	225	28992	14.999	ug/l	92
91) Naphthalene	15.10	128	145326	13.018	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	47698	13.419	ug/l	97

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

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