

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064208.D
 Acq On : 20 Oct 2020 20:15
 Operator : JC/MD
 Sample : VN1020WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1020WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:29:02 PM

Quant Time: Oct 21 05:36:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	48620	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	271651	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	248592	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	131369	33.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	110.00%
60) 4-Bromofluorobenzene	12.38	95	132443	29.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.10%
63) Toluene-d8	10.06	98	334303	29.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	66176	19.838	ug/l 92
3) Chloromethane	2.04	50	63375	18.540	ug/l 96
4) Vinyl Chloride	2.17	62	62897	18.702	ug/l 92
5) Bromomethane	2.54	94	38579	19.174	ug/l 95
6) Chloroethane	2.67	64	35605	18.177	ug/l 100
7) Trichlorofluoromethane	2.99	101	101254	18.755	ug/l 96
8) Diethyl Ether	3.38	74	32754m	17.869	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.73	101	50416	17.694	ug/l 98
10) 1,1-Dichloroethene	3.70	96	49460	17.828	ug/l 98
11) Methyl Iodide	3.92	142	67305	16.831	ug/l 97
12) Methyl Acetate	4.28	43	53657	18.350	ug/l # 91
13) Acrolein	3.57	56	31949	99.926	ug/l # 1
14) Acrylonitrile	4.94	53	107682	91.384	ug/l 60
15) Acetone	3.78	58	29885	93.934	ug/l 92
16) Carbon Disulfide	4.01	76	138225	17.422	ug/l 99
17) Allyl chloride	4.28	41	87904	17.040	ug/l 95
18) Methylene Chloride	4.51	84	57842	18.229	ug/l 96
19) trans-1,2-Dichloroethene	4.99	96	51231	17.118	ug/l 96
20) Diisopropyl ether	5.90	45	172802	18.126	ug/l 97
21) 1,1-Dichloroethane	5.80	63	104360	17.931	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	62254	17.794	ug/l # 52
23) tert-Butyl Alcohol	4.74	59	50003	91.748	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	166535	18.166	ug/l 97
25) Chloroform	7.33	83	108125	17.880	ug/l 95
26) Cyclohexane	7.61	56	79241	17.172	ug/l # 87
29) 1,1-Dichloropropene	7.75	75	78167	17.326	ug/l 99
30) 2-Butanone	6.78	43	171489	92.180	ug/l 98
31) 2,2-Dichloropropane	6.78	77	89405	15.610	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	107040	18.622	ug/l 99
33) Carbon Tetrachloride	7.73	117	93988	17.935	ug/l 97
34) Benzene	8.00	78	225620	17.959	ug/l 98
35) Methacrylonitrile	7.12	41	32643	15.996	ug/l 93
36) 1,2-Dichloroethane	8.09	62	95586	18.812	ug/l 99
37) Trichloroethene	8.80	130	61153	17.680	ug/l 93
38) Methylcyclohexane	9.05	83	74823	17.341	ug/l 100
39) 1,2-Dichloropropane	9.08	63	60520	18.052	ug/l 99
40) Dibromomethane	9.18	93	43425	18.616	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	92264	18.276	ug/l	99
42) Vinyl Acetate	5.85	43	806522	91.318	ug/l	99
43) Ethyl Acetate	6.88	43	71818	17.676	ug/l #	89
44) Isopropyl Acetate	8.13	43	143673m	18.419	ug/l	
45) 1,4-Dioxane	9.16	88	17675	387.423	ug/l	91
46) Methyl methacrylate	9.17	41	66791	18.045	ug/l	96
47) n-amyl Acetate	12.05	43	124483	17.989	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	100719	17.690	ug/l	89
49) cis-1,3-Dichloropropene	9.81	75	101411	17.239	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	57092	18.269	ug/l	97
51) Ethyl methacrylate	10.40	69	88074	17.823	ug/l	97
52) 1,3-Dichloropropane	10.68	76	95877	17.795	ug/l	100
53) Dibromochloromethane	10.87	129	69949	17.784	ug/l	97
54) 1,2-Dibromoethane	10.98	107	57886	17.426	ug/l	92
55) 2-Chloroethyl vinyl ether	9.66	63	227489	93.668	ug/l	98
56) Bromoform	12.10	173	48345	17.650	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	382358	90.767	ug/l	98
59) 2-Hexanone	10.72	43	278144	88.939	ug/l	99
61) Tetrachloroethene	10.60	164	56880	16.973	ug/l	98
62) Toluene	10.13	91	238985	16.816	ug/l	98
64) Chlorobenzene	11.41	112	151690	17.139	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	60613	17.480	ug/l	99
66) Ethyl Benzene	11.48	91	285133	17.451	ug/l	99
67) m/p-Xylenes	11.59	106	205037	33.742	ug/l	99
68) o-Xylene	11.92	106	101012	17.130	ug/l	99
69) Styrene	11.94	104	169193	16.960	ug/l	97
70) Isopropylbenzene	12.22	105	269696	17.318	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	73778	17.288	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	71699m	16.100	ug/l	
73) Bromobenzene	12.50	156	64461	17.165	ug/l	95
74) n-propylbenzene	12.57	91	301828	16.981	ug/l	100
75) 2-Chlorotoluene	12.65	91	190166	17.283	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	227325	17.154	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	28605	16.428	ug/l	99
78) 4-Chlorotoluene	12.75	91	193038	16.772	ug/l	99
79) tert-butylbenzene	12.97	119	190575	17.591	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	230856	17.161	ug/l	100
81) sec-Butylbenzene	13.14	105	237561	16.853	ug/l	100
82) p-Isopropyltoluene	13.26	119	214910	16.473	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	110835	16.465	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	110534	16.401	ug/l	97
85) n-Butylbenzene	13.59	91	186861	16.135	ug/l	99
86) Hexachloroethane	13.85	117	38346	17.073	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	109374	16.661	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18678	17.280	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	61516	15.604	ug/l	95
90) Hexachlorobutadiene	14.98	225	31732	15.880	ug/l	97
91) Naphthalene	15.10	128	195595	16.368	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	61550	16.325	ug/l	99

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

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