

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064034.D
 Acq On : 9 Oct 2020 13:36
 Operator : JC/MD
 Sample : VN1009WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 2:10:06 PM

Quant Time: Oct 10 01:46:52 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	46007	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	241543	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	229379	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	121856	29.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.30%
60) 4-Bromofluorobenzene	12.37	95	114756	29.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.50%
63) Toluene-d8	10.06	98	317016	30.50	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	60580	19.454	ug/l 98
3) Chloromethane	2.04	50	64867	20.130	ug/l 98
4) Vinyl Chloride	2.17	62	60424	18.849	ug/l 98
5) Bromomethane	2.54	94	35664	17.285	ug/l 94
6) Chloroethane	2.68	64	36578	18.188	ug/l 99
7) Trichlorofluoromethane	2.98	101	92506	18.280	ug/l 99
8) Diethyl Ether	3.37	74	30766	18.776	ug/l 89
9) 1,1,2-Trichlorotrifluoroet	3.73	101	49829	18.950	ug/l 92
10) 1,1-Dichloroethene	3.70	96	46458	18.818	ug/l 89
11) Methyl Iodide	3.91	142	56080	17.803	ug/l 93
12) Methyl Acetate	4.28	43	57774	19.015	ug/l 93
13) Acrolein	3.57	56	20056	67.816	ug/l 98
14) Acrylonitrile	4.93	53	110077	88.116	ug/l 89
15) Acetone	3.77	58	36423	100.725	ug/l # 65
16) Carbon Disulfide	4.01	76	135293	18.479	ug/l 97
17) Allyl chloride	4.28	41	94968	20.668	ug/l 90
18) Methylene Chloride	4.50	84	55408	18.724	ug/l # 90
19) trans-1,2-Dichloroethene	4.99	96	51500	18.468	ug/l 94
20) Diisopropyl ether	5.90	45	175545	19.005	ug/l # 85
21) 1,1-Dichloroethane	5.79	63	105206m	18.814	ug/l
22) cis-1,2-Dichloroethene	6.78	96	57496	18.162	ug/l 89
23) tert-Butyl Alcohol	4.72	59	39707	74.101	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	147510m	17.810	ug/l
25) Chloroform	7.33	83	108134	18.442	ug/l 99
26) Cyclohexane	7.61	56	73429	18.230	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	77537	18.331	ug/l 96
30) 2-Butanone	6.78	43	180657	87.078	ug/l 95
31) 2,2-Dichloropropane	6.78	77	91127	18.026	ug/l 94
32) 1,1,1-Trichloroethane	7.53	97	98132	18.185	ug/l 98
33) Carbon Tetrachloride	7.73	117	85400	18.063	ug/l 97
34) Benzene	8.00	78	223633	18.595	ug/l 97
35) Methacrylonitrile	7.13	41	35790	18.150	ug/l 91
36) 1,2-Dichloroethane	8.08	62	90514	17.130	ug/l 95
37) Trichloroethene	8.80	130	56325	17.875	ug/l 97
38) Methylcyclohexane	9.05	83	65010	18.202	ug/l 97
39) 1,2-Dichloropropane	9.08	63	60345	18.467	ug/l 100
40) Dibromomethane	9.17	93	41115	18.015	ug/l 89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	82977	17.493	ug/l	98
42) Vinyl Acetate	5.84	43	780090	90.598	ug/l	98
43) Ethyl Acetate	6.88	43	66126	14.884	ug/l	96
44) Isopropyl Acetate	8.12	43	126127	17.130	ug/l #	85
45) 1,4-Dioxane	9.16	88	13156	278.688	ug/l	95
46) Methyl methacrylate	9.16	41	63814	17.420	ug/l	86
47) n-amyl Acetate	12.05	43	102916	15.721	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	88635	17.292	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	93403	17.572	ug/l #	85
50) 1,1,2-Trichloroethane	10.53	97	55038	18.060	ug/l	97
51) Ethyl methacrylate	10.40	69	74441m	16.840	ug/l	
52) 1,3-Dichloropropane	10.68	76	91319	17.493	ug/l	98
53) Dibromochloromethane	10.87	129	61073	17.412	ug/l	97
54) 1,2-Dibromoethane	10.98	107	55014	17.217	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	194189	82.323	ug/l	99
56) Bromoform	12.10	173	40122	16.508	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	384651	86.406	ug/l	94
59) 2-Hexanone	10.72	43	277071	83.560	ug/l	93
61) Tetrachloroethene	10.60	164	51745	17.782	ug/l #	88
62) Toluene	10.12	91	239756	18.199	ug/l	100
64) Chlorobenzene	11.41	112	142154	17.803	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	55061	17.631	ug/l	99
66) Ethyl Benzene	11.48	91	257002	17.765	ug/l	99
67) m/p-Xylenes	11.60	106	188996	35.131	ug/l	92
68) o-Xylene	11.92	106	88581	17.282	ug/l	92
69) Styrene	11.94	104	151448	17.317	ug/l	96
70) Isopropylbenzene	12.22	105	241109	17.703	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	73294	17.025	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	69261m	15.778	ug/l	
73) Bromobenzene	12.50	156	58410	16.921	ug/l	87
74) n-propylbenzene	12.57	91	281784	17.699	ug/l	98
75) 2-Chlorotoluene	12.65	91	176343	18.158	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	201351	17.531	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	23747	15.209	ug/l	82
78) 4-Chlorotoluene	12.75	91	183606	17.854	ug/l	95
79) tert-butylbenzene	12.97	119	157448	17.112	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	200585	17.422	ug/l	96
81) sec-Butylbenzene	13.14	105	210452	17.402	ug/l	98
82) p-Isopropyltoluene	13.26	119	182428	16.689	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	99848	16.264	ug/l	96
84) 1,4-Dichlorobenzene	13.34	146	100552	16.488	ug/l	96
85) n-Butylbenzene	13.59	91	150470	15.734	ug/l	99
86) Hexachloroethane	13.85	117	33253	17.652	ug/l	80
87) 1,2-Dichlorobenzene	13.63	146	100654	16.708	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	15702	15.264	ug/l	84
89) 1,2,4-Trichlorobenzene	14.88	180	41003	13.390	ug/l #	96
90) Hexachlorobutadiene	14.98	225	28895	17.816	ug/l	96
91) Naphthalene	15.10	128	116922	12.482	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	41225	13.822	ug/l	97

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

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