

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063892.D
 Acq On : 6 Oct 2020 12:03
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:37 PM

Quant Time: Oct 06 12:36:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 12:20:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	65898	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	343773	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	327384	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	170192	34.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	115.53%
60) 4-Bromofluorobenzene	12.38	95	174510	33.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	110.77%
63) Toluene-d8	10.06	98	446202	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	595320	124.506	ug/l 100
3) Chloromethane	2.04	50	619209	119.570	ug/l 96
4) Vinyl Chloride	2.16	62	606931	116.323	ug/l 99
5) Bromomethane	2.52	94	382093	118.127	ug/l 97
6) Chloroethane	2.67	64	373742	119.976	ug/l 96
7) Trichlorofluoromethane	2.98	101	916591	137.636	ug/l 97
8) Diethyl Ether	3.37	74	316354	143.546	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	471750	130.876	ug/l 98
10) 1,1-Dichloroethene	3.70	96	458268	140.922	ug/l 98
11) Methyl Iodide	3.91	142	649300	146.826	ug/l 98
12) Methyl Acetate	4.28	43	616950	145.391	ug/l 99
13) Acrolein	3.56	56	354965	843.864	ug/l 98
14) Acrylonitrile	4.93	53	1249951	685.411	ug/l 97
15) Acetone	3.77	58	340888	641.477	ug/l 99
16) Carbon Disulfide	4.01	76	1394935	156.351	ug/l 99
17) Allyl chloride	4.28	41	882359	144.638	ug/l 98
18) Methylene Chloride	4.50	84	542612	123.206	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	529859	148.276	ug/l 95
20) Diisopropyl ether	5.90	45	1816242	134.586	ug/l 98
21) 1,1-Dichloroethane	5.80	63	1047184	137.426	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	613861	140.944	ug/l 92
23) tert-Butyl Alcohol	4.73	59	515562	809.135	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1612675	137.408	ug/l # 56
25) Chloroform	7.33	83	1093345	142.304	ug/l 96
26) Cyclohexane	7.61	56	802199	127.988	ug/l # 95
29) 1,1-Dichloropropene	7.75	75	818845	152.617	ug/l 99
30) 2-Butanone	6.78	43	2051313	816.169	ug/l 99
31) 2,2-Dichloropropane	6.78	77	925548	142.070	ug/l # 77
32) 1,1,1-Trichloroethane	7.53	97	1005197	153.433	ug/l 98
33) Carbon Tetrachloride	7.73	117	877811	156.330	ug/l 98
34) Benzene	8.00	78	2284159	137.135	ug/l # 91
35) Methacrylonitrile	7.12	41	397881	170.933	ug/l 97
36) 1,2-Dichloroethane	8.08	62	961345	159.443	ug/l 100
37) Trichloroethene	8.80	130	585358	142.127	ug/l 99
38) Methylcyclohexane	9.05	83	720033	116.063	ug/l 97
39) 1,2-Dichloropropane	9.08	63	609538	127.208	ug/l 98
40) Dibromomethane	9.17	93	421281	145.208	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	908134	143.974	ug/l	96
42) Vinyl Acetate	5.84	43	8518666	865.696	ug/l	99
43) Ethyl Acetate	6.88	43	899832m	184.000	ug/l	
44) Isopropyl Acetate	8.13	43	1481567	177.267	ug/l #	100
45) 1,4-Dioxane	9.16	88	175360	2463.249	ug/l	91
46) Methyl methacrylate	9.17	41	753723	182.962	ug/l	98
47) n-amyl Acetate	12.05	43	1415017	192.464	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	1033601	153.881	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	1056962	147.350	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	578481	134.486	ug/l	96
51) Ethyl methacrylate	10.40	69	939271	157.731	ug/l	95
52) 1,3-Dichloropropane	10.68	76	1006424	140.929	ug/l	98
53) Dibromochloromethane	10.87	129	698678	145.960	ug/l	100
54) 1,2-Dibromoethane	10.98	107	622887	147.743	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	2418357	1480.611	ug/l	99
56) Bromoform	12.10	173	512229	148.235	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	4349264	839.615	ug/l	97
59) 2-Hexanone	10.72	43	3303268	884.731	ug/l	98
61) Tetrachloroethene	10.60	164	531542	139.132	ug/l	98
62) Toluene	10.13	91	2562283	141.674	ug/l	98
64) Chlorobenzene	11.41	112	1558722	140.171	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	606200	137.641	ug/l	99
66) Ethyl Benzene	11.49	91	2899930	146.293	ug/l	99
67) m/p-Xylenes	11.60	106	2174887	293.337	ug/l	95
68) o-Xylene	11.92	106	1039570	146.642	ug/l	97
69) Styrene	11.94	104	1839513	149.275	ug/l	99
70) Isopropylbenzene	12.22	105	2777228	144.633	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	854261	140.238	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	829583m	147.662	ug/l	
73) Bromobenzene	12.50	156	684055	134.436	ug/l	97
74) n-propylbenzene	12.57	91	3195629	139.355	ug/l	97
75) 2-Chlorotoluene	12.65	91	1966219	143.321	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	2367647	145.061	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	336727	169.788	ug/l	94
78) 4-Chlorotoluene	12.75	91	2075114	145.767	ug/l	99
79) tert-butylbenzene	12.97	119	1894623	138.908	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	2375695	148.066	ug/l	98
81) sec-Butylbenzene	13.15	105	2492042	133.644	ug/l	99
82) p-Isopropyltoluene	13.26	119	2293831	138.525	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	1244208	139.240	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	1251113	142.614	ug/l	98
85) n-Butylbenzene	13.59	91	2045614	145.648	ug/l	96
86) Hexachloroethane	13.85	117	386445	121.954	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	1195363	138.812	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	208888	194.015	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	656724	151.086	ug/l	99
90) Hexachlorobutadiene	14.98	225	321581	107.105	ug/l	97
91) Naphthalene	15.10	128	2045740	194.981	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	628490	145.592	ug/l	98

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

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