

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062931.D
 Acq On : 14 Aug 2020 00:09
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:00 PM

Quant Time: Aug 14 05:57:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 05:30:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	28532	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	156200	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	149455	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	74533	30.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.30%
60) 4-Bromofluorobenzene	12.38	95	81937	32.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	107.57%
63) Toluene-d8	10.06	98	205022	29.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	383798	204.715	ug/l 98
3) Chloromethane	2.03	50	305785	130.205	ug/l 97
4) Vinyl Chloride	2.16	62	294266	140.152	ug/l 98
5) Bromomethane	2.49	94	278182	223.495	ug/l 99
6) Chloroethane	2.64	64	278526	225.660	ug/l 99
7) Trichlorofluoromethane	2.97	101	659518	223.803	ug/l 99
8) Diethyl Ether	3.37	74	140284	122.806	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	209071	133.062	ug/l 96
10) 1,1-Dichloroethene	3.69	96	195205	124.205	ug/l 93
11) Methyl Iodide	3.90	142	297902	151.435	ug/l 96
12) Methyl Acetate	4.27	43	291042	134.875	ug/l 96
13) Acrolein	3.56	56	194244	633.749	ug/l 97
14) Acrylonitrile	4.93	53	683991	691.858	ug/l 98
15) Acetone	3.78	58	177060	615.374	ug/l 92
16) Carbon Disulfide	4.00	76	530731	106.298	ug/l 100
17) Allyl chloride	4.27	41	344225	107.985	ug/l 96
18) Methylene Chloride	4.50	84	242232	124.831	ug/l 96
19) trans-1,2-Dichloroethene	4.98	96	215252	123.954	ug/l 97
20) Diisopropyl ether	5.90	45	807239	118.990	ug/l 98
21) 1,1-Dichloroethane	5.80	63	451290	123.315	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	261730	131.916	ug/l # 88
23) tert-Butyl Alcohol	4.74	59	287806	830.470	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	894581	150.005	ug/l 99
25) Chloroform	7.33	83	494246	143.185	ug/l 97
26) Cyclohexane	7.61	56	418300	131.480	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	341158	132.199	ug/l 99
30) 2-Butanone	6.79	43	888111	664.991	ug/l 99
31) 2,2-Dichloropropane	6.77	77	314888	110.615	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	450322	155.108	ug/l 96
33) Carbon Tetrachloride	7.73	117	396842	156.616	ug/l 98
34) Benzene	8.00	78	994589	129.948	ug/l # 87
35) Methacrylonitrile	7.12	41	163024	140.622	ug/l 94
36) 1,2-Dichloroethane	8.08	62	421090	146.935	ug/l 100
37) Trichloroethene	8.80	130	247929	141.183	ug/l 95
38) Methylcyclohexane	9.05	83	438885	150.197	ug/l 97
39) 1,2-Dichloropropane	9.08	63	276779	127.890	ug/l 100
40) Dibromomethane	9.17	93	180587	140.157	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	421741	152.384	ug/l	98
42) Vinyl Acetate	5.84	43	2929403	542.431	ug/l	100
43) Ethyl Acetate	6.88	43	323574	119.675	ug/l #	87
44) Isopropyl Acetate	8.13	43	571691	126.693	ug/l #	88
45) 1,4-Dioxane	9.17	88	109786	3330.860	ug/l	95
46) Methyl methacrylate	9.17	41	292541	135.584	ug/l	98
47) n-amyl Acetate	12.05	43	554384	143.723	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	455593	144.345	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	457609	136.610	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	266166	146.870	ug/l	99
51) Ethyl methacrylate	10.40	69	453973	152.774	ug/l	96
52) 1,3-Dichloropropane	10.68	76	463752	141.058	ug/l	99
53) Dibromochloromethane	10.88	129	331138	164.370	ug/l	99
54) 1,2-Dibromoethane	10.98	107	278214	149.910	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	569654	633.340	ug/l	98
56) Bromoform	12.10	173	242755	175.105	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	1916549	682.793	ug/l	98
59) 2-Hexanone	10.72	43	1437949	699.822	ug/l	96
61) Tetrachloroethene	10.60	164	212954	140.447	ug/l	97
62) Toluene	10.12	91	1116927	135.083	ug/l	97
64) Chlorobenzene	11.41	112	724451	146.535	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	295233	157.395	ug/l	99
66) Ethyl Benzene	11.48	91	1344603	146.885	ug/l	100
67) m/p-Xylenes	11.60	106	993470	295.141	ug/l	99
68) o-Xylene	11.92	106	484806	151.281	ug/l	99
69) Styrene	11.94	104	868825	157.369	ug/l	100
70) Isopropylbenzene	12.23	105	1372362	157.464	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	413399	146.133	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	399871m	143.071	ug/l	
73) Bromobenzene	12.50	156	326124	159.478	ug/l	100
74) n-propylbenzene	12.57	91	1591718	154.470	ug/l	98
75) 2-Chlorotoluene	12.65	91	971548	154.963	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	1229208	163.911	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	144299	144.400	ug/l	94
78) 4-Chlorotoluene	12.75	91	1022777	160.345	ug/l	100
79) tert-butylbenzene	12.97	119	1032112	166.800	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	1242068	169.249	ug/l	99
81) sec-Butylbenzene	13.15	105	1371317	165.476	ug/l	99
82) p-Isopropyltoluene	13.26	119	1269148	173.199	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	604743	169.998	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	597473	170.571	ug/l	97
85) n-Butylbenzene	13.59	91	1089908	175.851	ug/l	96
86) Hexachloroethane	13.85	117	236216	164.402	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	578786	168.849	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	105487	196.343	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	339642	203.992	ug/l	99
90) Hexachlorobutadiene	14.98	225	177237	182.555	ug/l	97
91) Naphthalene	15.10	128	956742	214.679	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	333180	199.277	ug/l	97

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

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