

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064423.D
 Acq On : 2 Nov 2020 18:48
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:21:00 PM

Quant Time: Nov 03 03:30:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 03 02:03:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	54642	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	298312	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	270133	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	139212	31.21	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.03%
60) 4-Bromofluorobenzene	12.38	95	135813	29.75	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.17%
63) Toluene-d8	10.06	98	368288	30.57	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	65634	18.676	ug/l 100
3) Chloromethane	2.04	50	65707	18.099	ug/l 96
4) Vinyl Chloride	2.16	62	69152	18.462	ug/l 96
5) Bromomethane	2.54	94	45543	18.630	ug/l 97
6) Chloroethane	2.68	64	40648	18.596	ug/l 98
7) Trichlorofluoromethane	2.99	101	114776	18.497	ug/l 95
8) Diethyl Ether	3.37	74	34878	18.321	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	54661	17.699	ug/l 98
10) 1,1-Dichloroethene	3.70	96	52026	17.600	ug/l 90
11) Methyl Iodide	3.91	142	69007	17.392	ug/l 98
12) Methyl Acetate	4.28	43	57170	18.481	ug/l 98
13) Acrolein	3.57	56	30740m	102.952	ug/l
14) Acrylonitrile	4.93	53	125116	89.898	ug/l 97
15) Acetone	3.78	58	35870	74.382	ug/l 97
16) Carbon Disulfide	4.01	76	146675	17.484	ug/l 98
17) Allyl chloride	4.28	41	92043	17.752	ug/l 88
18) Methylene Chloride	4.51	84	61220	17.899	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	59126	18.173	ug/l 91
20) Diisopropyl ether	5.90	45	200092	18.034	ug/l 94
21) 1,1-Dichloroethane	5.79	63	110942	17.729	ug/l 96
22) cis-1,2-Dichloroethene	6.78	96	67734	17.569	ug/l 98
23) tert-Butyl Alcohol	4.72	59	49673	93.985	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	190669	18.024	ug/l 97
25) Chloroform	7.33	83	121835	18.177	ug/l 93
26) Cyclohexane	7.61	56	86279	17.409	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	86509	18.025	ug/l 87
30) 2-Butanone	6.78	43	185217	85.005	ug/l 99
31) 2,2-Dichloropropane	6.77	77	102785	17.446	ug/l # 86
32) 1,1,1-Trichloroethane	7.53	97	113520	18.044	ug/l 98
33) Carbon Tetrachloride	7.73	117	100292	17.695	ug/l 98
34) Benzene	8.00	78	248362	18.264	ug/l 94
35) Methacrylonitrile	7.13	41	41050	19.057	ug/l 83
36) 1,2-Dichloroethane	8.08	62	103339	18.376	ug/l 99
37) Trichloroethene	8.80	130	68344	17.902	ug/l 96
38) Methylcyclohexane	9.05	83	76114	17.485	ug/l 97
39) 1,2-Dichloropropane	9.08	63	67132	19.242	ug/l 91
40) Dibromomethane	9.17	93	46425	18.360	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	97463	18.248	ug/l	98
42) Vinyl Acetate	5.84	43	850073	92.158	ug/l	100
43) Ethyl Acetate	6.88	43	81866	19.402	ug/l #	85
44) Isopropyl Acetate	8.13	43	138407m	18.441	ug/l	
45) 1,4-Dioxane	9.16	88	19037	361.458	ug/l	94
46) Methyl methacrylate	9.16	41	67274	18.156	ug/l	97
47) n-amyl Acetate	12.05	43	111130	17.409	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	103341	17.532	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	109603	17.970	ug/l	90
50) 1,1,2-Trichloroethane	10.53	97	62539	18.420	ug/l	95
51) Ethyl methacrylate	10.40	69	84367	17.299	ug/l	97
52) 1,3-Dichloropropane	10.68	76	102697	17.937	ug/l	99
53) Dibromochloromethane	10.87	129	72839	17.466	ug/l	98
54) 1,2-Dibromoethane	10.98	107	65723	18.085	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	224709	85.726	ug/l	99
56) Bromoform	12.10	173	50751	17.254	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	401838	93.981	ug/l	99
59) 2-Hexanone	10.72	43	286324	89.972	ug/l	99
61) Tetrachloroethene	10.60	164	65962	18.013	ug/l	97
62) Toluene	10.12	91	268295	17.732	ug/l	100
64) Chlorobenzene	11.41	112	171778	18.135	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	69693	18.937	ug/l	96
66) Ethyl Benzene	11.48	91	294220	17.622	ug/l	96
67) m/p-Xylenes	11.59	106	221803	35.319	ug/l	99
68) o-Xylene	11.92	106	106697	17.630	ug/l	94
69) Styrene	11.94	104	175253	17.367	ug/l	99
70) Isopropylbenzene	12.22	105	278572	17.792	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	82297	18.902	ug/l	99
72) 1,2,3-Trichloropropane	12.52	75	81286m	17.882	ug/l	
73) Bromobenzene	12.50	156	73389	18.066	ug/l	100
74) n-propylbenzene	12.56	91	307493	17.911	ug/l	97
75) 2-Chlorotoluene	12.65	91	197958	18.202	ug/l	99
76) 1,3,5-Trimethylbenzene	12.70	105	229150	17.767	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	26525	16.552	ug/l	89
78) 4-Chlorotoluene	12.75	91	200706	17.863	ug/l	97
79) tert-butylbenzene	12.97	119	179015	17.354	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	231345	17.704	ug/l	98
81) sec-Butylbenzene	13.14	105	228023	17.524	ug/l	100
82) p-Isopropyltoluene	13.26	119	209779	17.546	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	120141	17.408	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	121715	17.509	ug/l	97
85) n-Butylbenzene	13.59	91	161658	16.940	ug/l	98
86) Hexachloroethane	13.85	117	37842	16.878	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	117451	17.627	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18229	19.437	ug/l	89
89) 1,2,4-Trichlorobenzene	14.88	180	51530	15.815	ug/l	91
90) Hexachlorobutadiene	14.98	225	29599	17.069	ug/l	94
91) Naphthalene	15.10	128	154209	15.932	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	52001	16.140	ug/l	98

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

