

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011421\
 Data File : VN065515.D
 Acq On : 14 Jan 2021 17:54
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jan 15 04:15:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.155	128	43132	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.553	114	219615	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	205061	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	79894	29.65	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.83%
60) 4-Bromofluorobenzene	12.376	95	90279	29.07	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.90%
63) Toluene-d8	10.061	98	270714	30.16	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.53%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.849	85	36506	17.01	ug/l	94
3) Chloromethane	2.055	50	47242	17.78	ug/l	99
4) Vinyl Chloride	2.181	62	50344	17.20	ug/l	98
5) Bromomethane	2.538	94	34275	16.41	ug/l	95
6) Chloroethane	2.685	64	33681	17.70	ug/l	97
7) Trichlorofluoromethane	3.001	101	70122	17.98	ug/l	97
8) Diethyl Ether	3.386	74	28851	18.19	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.724	101	41541	17.93	ug/l	99
10) 1,1-Dichloroethene	3.702	96	42729	18.01	ug/l	99
11) Methyl Iodide	3.914	142	55154	14.73	ug/l	99
12) Methyl Acetate	4.300	43	41396	17.82	ug/l	98
13) Acrolein	3.579	56	34444	87.70	ug/l	99
14) Acrylonitrile	4.949	53	94516	89.80	ug/l	99
15) Acetone	3.792	58	29958	92.82	ug/l	89
16) Carbon Disulfide	4.010	76	97704	16.94	ug/l	98
17) Allyl chloride	4.284	41	58317	17.34	ug/l	97
18) Methylene Chloride	4.509	84	46836	18.20	ug/l	98
19) trans-1,2-Dichloroethene	4.994	96	42487	17.80	ug/l	98
20) Diisopropyl ether	5.920	45	127337	18.08	ug/l	95
21) 1,1-Dichloroethane	5.804	63	76588	18.20	ug/l	99
22) cis-1,2-Dichloroethene	6.788	96	49641	17.95	ug/l	97
23) tert-Butyl Alcohol	4.782	59	26995	82.99	ug/l #	100
24) Methyl tert-Butyl Ether	5.010	73	124238	17.86	ug/l	99
25) Chloroform	7.335	83	77952	17.95	ug/l	99
26) Cyclohexane	7.615	56	60981	17.26	ug/l #	99
29) 1,1-Dichloropropene	7.753	75	56849	18.21	ug/l	99
30) 2-Butanone	6.804	43	112899	89.70	ug/l	99
31) 2,2-Dichloropropane	6.782	77	58470	18.14	ug/l	99
32) 1,1,1-Trichloroethane	7.531	97	64992	18.42	ug/l	99
33) Carbon Tetrachloride	7.737	117	56681	18.25	ug/l	99
34) Benzene	8.007	78	179089	18.65	ug/l	97
35) Methacrylonitrile	7.135	41	25002	19.13	ug/l	97
36) 1,2-Dichloroethane	8.087	62	60599	19.12	ug/l	99
37) Trichloroethene	8.804	130	52181	18.25	ug/l	98
38) Methylcyclohexane	9.045	83	62974	17.39	ug/l	100
39) 1,2-Dichloropropane	9.087	63	45997	18.45	ug/l	99
40) Dibromomethane	9.177	93	30604	18.33	ug/l	100
41) Bromodichloromethane	9.370	83	58429	18.06	ug/l	100
42) Vinyl Acetate	5.856	43	497496	91.16	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011421\
 Data File : VN065515.D
 Acq On : 14 Jan 2021 17:54
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jan 15 04:15:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.894	43	49800	18.51	ug/l #	75
44) Isopropyl Acetate	8.135	43	81112	18.06	ug/l	98
45) 1,4-Dioxane	9.171	88	11275	352.98	ug/l	98
46) Methyl methacrylate	9.171	41	39300	17.73	ug/l	100
47) n-amyl Acetate	12.045	43	66810	17.20	ug/l	99
48) t-1,3-Dichloropropene	10.354	75	61711	17.20	ug/l	99
49) cis-1,3-Dichloropropene	9.807	75	70152	17.78	ug/l	99
50) 1,1,2-Trichloroethane	10.534	97	45497	18.61	ug/l	99
51) Ethyl methacrylate	10.402	69	60923	17.79	ug/l	96
52) 1,3-Dichloropropane	10.679	76	75256	18.58	ug/l	100
53) Dibromochloromethane	10.875	129	47252	17.46	ug/l	100
54) 1,2-Dibromoethane	10.978	107	46683	17.85	ug/l	100
55) 2-Chloroethyl vinyl ether	9.666	63	140413	93.64	ug/l	99
56) Bromoform	12.100	173	35112	16.66	ug/l	98
58) 4-Methyl-2-Pentanone	9.955	43	245082	90.05	ug/l	100
59) 2-Hexanone	10.724	43	171960	87.33	ug/l	99
61) Tetrachloroethene	10.602	164	60439	18.45	ug/l	99
62) Toluene	10.126	91	196359	18.34	ug/l	99
64) Chlorobenzene	11.405	112	126042	18.11	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.483	131	46401	17.74	ug/l	98
66) Ethyl Benzene	11.483	91	210167	17.96	ug/l	100
67) m/p-Xylenes	11.595	106	162645	35.53	ug/l	100
68) o-Xylene	11.920	106	80271	18.14	ug/l	99
69) Styrene	11.939	104	131147	17.75	ug/l	99
70) Isopropylbenzene	12.222	105	208923	18.06	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.479	83	58806	17.88	ug/l	99
72) 1,2,3-Trichloropropane	12.528	75	77067	24.69	ug/l	65
73) Bromobenzene	12.499	156	58760	17.76	ug/l	100
74) n-propylbenzene	12.566	91	230875	17.82	ug/l	100
75) 2-Chlorotoluene	12.650	91	139311	17.81	ug/l	100
76) 1,3,5-Trimethylbenzene	12.708	105	177716	17.94	ug/l	100
77) t-1,4-Dichloro-2-butene	12.274	75	17013	15.50	ug/l	97
78) 4-Chlorotoluene	12.746	91	139240	17.60	ug/l	99
79) tert-butylbenzene	12.968	119	151496	17.79	ug/l	98
80) 1,2,4-Trimethylbenzene	13.013	105	174791	17.73	ug/l	99
81) sec-Butylbenzene	13.145	105	194165	17.64	ug/l	100
82) p-Isopropyltoluene	13.264	119	181327	17.63	ug/l	100
83) 1,3-Dichlorobenzene	13.257	146	94359	17.21	ug/l	100
84) 1,4-Dichlorobenzene	13.338	146	89591	16.75	ug/l	99
85) n-Butylbenzene	13.589	91	137737	16.93	ug/l	99
86) Hexachloroethane	13.846	117	27995	16.53	ug/l	98
87) 1,2-Dichlorobenzene	13.627	146	95869	17.75	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.245	75	9613	16.36	ug/l	98
89) 1,2,4-Trichlorobenzene	14.881	180	41751	18.32	ug/l	98
90) Hexachlorobutadiene	14.981	225	32927	17.43	ug/l	99
91) Naphthalene	15.103	128	98912	18.71	ug/l	100
92) 1,2,3-Trichlorobenzene	15.286	180	42495	15.51	ug/l	98

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

