

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012021\
 Data File : VN065565.D
 Acq On : 20 Jan 2021 16:05
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

SAM
 1/21/2021 6:33:34 PM

Quant Time: Jan 21 01:22:36 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	7.152	128	42326	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	225552	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	204939	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	75299	28.48	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	94.93%	
60) 4-Bromofluorobenzene	12.373	95	90935	29.30	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	97.67%	
63) Toluene-d8	10.055	98	274091	30.55	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	101.83%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.849	85	35854	17.03	ug/l	94
3) Chloromethane	2.055	50	44314	16.99	ug/l	99
4) Vinyl Chloride	2.184	62	50045	17.43	ug/l	99
5) Bromomethane	2.554	94	36408	17.77	ug/l	98
6) Chloroethane	2.692	64	31703	16.98	ug/l	100
7) Trichlorofluoromethane	3.004	101	67611	17.67	ug/l	100
8) Diethyl Ether	3.390	74	28262	18.15	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.724	101	42542	18.72	ug/l	99
10) 1,1-Dichloroethene	3.701	96	41894	18.00	ug/l	96
11) Methyl Iodide	3.914	142	66159	18.01	ug/l	99
12) Methyl Acetate	4.290	43	41772	18.32	ug/l	97
13) Acrolein	3.579	56	27809	72.15	ug/l	98
14) Acrylonitrile	4.946	53	88611	85.79	ug/l	99
15) Acetone	3.788	58	27058	85.43	ug/l	98
16) Carbon Disulfide	4.013	76	94987	16.78	ug/l	98
17) Allyl chloride	4.283	41	56324	17.07	ug/l	99
18) Methylene Chloride	4.509	84	46443	18.39	ug/l	97
19) trans-1,2-Dichloroethene	4.991	96	42038	17.95	ug/l	98
20) Diisopropyl ether	5.910	45	123769	17.91	ug/l	96
21) 1,1-Dichloroethane	5.801	63	75482	18.28	ug/l	99
22) cis-1,2-Dichloroethene	6.782	96	49636	18.29	ug/l	96
23) tert-Butyl Alcohol	4.766	59	26989	84.56	ug/l #	100
24) Methyl tert-Butyl Ether	5.007	73	123444	18.09	ug/l	97
25) Chloroform	7.328	83	78080	18.33	ug/l	98
26) Cyclohexane	7.611	56	57706	16.65	ug/l #	99
29) 1,1-Dichloropropene	7.750	75	56975	17.77	ug/l	100
30) 2-Butanone	6.795	43	103197	79.83	ug/l	97
31) 2,2-Dichloropropane	6.775	77	60364	18.23	ug/l	98
32) 1,1,1-Trichloroethane	7.528	97	64016	17.66	ug/l	99
33) Carbon Tetrachloride	7.730	117	56552	17.73	ug/l	99
34) Benzene	8.000	78	177846	18.03	ug/l	96
35) Methacrylonitrile	7.129	41	23086	17.20	ug/l	96
36) 1,2-Dichloroethane	8.084	62	56966	17.50	ug/l	97
37) Trichloroethene	8.798	130	53601	18.25	ug/l	98
38) Methylcyclohexane	9.045	83	63456	17.06	ug/l	98
39) 1,2-Dichloropropane	9.084	63	46808	18.28	ug/l	99
40) Dibromomethane	9.174	93	30510	17.79	ug/l	98
41) Bromodichloromethane	9.367	83	60302	18.15	ug/l	99
42) Vinyl Acetate	5.853	43	471892	84.19	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012021\
 Data File : VN065565.D
 Acq On : 20 Jan 2021 16:05
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

SAM
 1/21/2021 6:33:34 PM

Quant Time: Jan 21 01:22:36 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	6.888	43	44977	16.28	ug/l	95
44) Isopropyl Acetate	8.129	43	75861	16.45	ug/l	97
45) 1,4-Dioxane	9.168	88	13852	422.24	ug/l	93
46) Methyl methacrylate	9.164	41	37804	16.60	ug/l	95
47) n-amyl Acetate	12.042	43	64250	16.11	ug/l	98
48) t-1,3-Dichloropropene	10.351	75	65282	17.71	ug/l	97
49) cis-1,3-Dichloropropene	9.807	75	72631	17.92	ug/l	95
50) 1,1,2-Trichloroethane	10.531	97	45807	18.25	ug/l	98
51) Ethyl methacrylate	10.399	69	58834	16.73	ug/l	93
52) 1,3-Dichloropropane	10.675	76	74009	17.79	ug/l	99
53) Dibromochloromethane	10.872	129	50391	18.13	ug/l	98
54) 1,2-Dibromoethane	10.975	107	47401	17.65	ug/l	100
55) 2-Chloroethyl vinyl ether	9.659	63	141535	91.91	ug/l	99
56) Bromoform	12.100	173	37172	17.17	ug/l	99
58) 4-Methyl-2-Pentanone	9.952	43	226020	83.09	ug/l	97
59) 2-Hexanone	10.720	43	156043	79.29	ug/l	96
61) Tetrachloroethene	10.598	164	61809	18.88	ug/l	98
62) Toluene	10.122	91	195559	18.28	ug/l	100
64) Chlorobenzene	11.402	112	127342	18.31	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.479	131	47604	18.21	ug/l	97
66) Ethyl Benzene	11.483	91	210650	18.01	ug/l	99
67) m/p-Xylenes	11.592	106	167071	36.52	ug/l	97
68) o-Xylene	11.920	106	79257	17.92	ug/l	98
69) Styrene	11.936	104	133496	18.08	ug/l	99
70) Isopropylbenzene	12.222	105	209162	18.09	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.476	83	57002	17.34	ug/l	100
72) 1,2,3-Trichloropropane	12.524	75	53964m	17.30	ug/l	
73) Bromobenzene	12.499	156	58901	17.81	ug/l	99
74) n-propylbenzene	12.563	91	235251	18.17	ug/l	100
75) 2-Chlorotoluene	12.646	91	140856	18.02	ug/l	100
76) 1,3,5-Trimethylbenzene	12.704	105	179799	18.16	ug/l	99
77) t-1,4-Dichloro-2-butene	12.273	75	18338	16.72	ug/l	97
78) 4-Chlorotoluene	12.746	91	141254	17.87	ug/l	97
79) tert-butylbenzene	12.965	119	152711	17.94	ug/l	98
80) 1,2,4-Trimethylbenzene	13.013	105	179603	18.23	ug/l	100
81) sec-Butylbenzene	13.145	105	197616	17.96	ug/l	98
82) p-Isopropyltoluene	13.261	119	186804	18.17	ug/l	99
83) 1,3-Dichlorobenzene	13.254	146	101056	18.44	ug/l	100
84) 1,4-Dichlorobenzene	13.338	146	95661	17.89	ug/l	99
85) n-Butylbenzene	13.585	91	147096	18.10	ug/l	99
86) Hexachloroethane	13.846	117	29579	17.48	ug/l	97
87) 1,2-Dichlorobenzene	13.627	146	99603	18.45	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.241	75	10256	17.47	ug/l	98
89) 1,2,4-Trichlorobenzene	14.881	180	53376	21.28	ug/l	99
90) Hexachlorobutadiene	14.981	225	35250	18.68	ug/l	99
91) Naphthalene	15.103	128	128116	21.57	ug/l	99
92) 1,2,3-Trichlorobenzene	15.283	180	54916	20.05	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012021\
Data File : VN065565.D
Acq On : 20 Jan 2021 16:05
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations
APPROVED

SAM
1/21/2021 6:33:34 PM

Quant Time: Jan 21 01:22:36 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

