

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072020\
 Data File : VN062562.D
 Acq On : 20 Jul 2020 15:38
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 21 01:32:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	42171	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	227416	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	216215	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	106722	29.46	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.20%
60) 4-Bromofluorobenzene	12.37	95	110202	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	10.06	98	304050	29.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	49384	19.840	ug/l 100
3) Chloromethane	2.04	50	64944	18.070	ug/l 95
4) Vinyl Chloride	2.16	62	59805	19.036	ug/l 100
5) Bromomethane	2.54	94	25359	16.271	ug/l 97
6) Chloroethane	2.67	64	29519	19.086	ug/l 93
7) Trichlorofluoromethane	2.99	101	77417	21.025	ug/l 99
8) Diethyl Ether	3.38	74	34505	19.493	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	47963	20.149	ug/l 97
10) 1,1-Dichloroethene	3.70	96	47635	19.616	ug/l 94
11) Methyl Iodide	3.91	142	37089	12.472	ug/l 99
12) Methyl Acetate	4.28	43	60846	18.682	ug/l 99
13) Acrolein	3.57	56	35574	73.107	ug/l 97
14) Acrylonitrile	4.93	53	137226	90.596	ug/l 100
15) Acetone	3.77	58	37052	79.685	ug/l 89
16) Carbon Disulfide	4.01	76	149334	18.870	ug/l 100
17) Allyl chloride	4.27	41	90914	17.603	ug/l 98
18) Methylene Chloride	4.50	84	58774	19.670	ug/l 95
19) trans-1,2-Dichloroethene	4.98	96	52635	19.583	ug/l 98
20) Diisopropyl ether	5.90	45	209933	19.773	ug/l 98
21) 1,1-Dichloroethane	5.80	63	110831	19.745	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	60061	19.815	ug/l 98
23) tert-Butyl Alcohol	4.73	59	43173	85.168	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	172715	19.291	ug/l # 78
25) Chloroform	7.33	83	104043	20.212	ug/l 98
26) Cyclohexane	7.61	56	94042	19.008	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	80462	20.859	ug/l 100
30) 2-Butanone	6.78	43	183966	89.924	ug/l 98
31) 2,2-Dichloropropane	6.77	77	91334	20.998	ug/l # 73
32) 1,1,1-Trichloroethane	7.53	97	88002	21.225	ug/l 99
33) Carbon Tetrachloride	7.73	117	76004	21.147	ug/l 98
34) Benzene	8.00	78	238095	20.776	ug/l 100
35) Methacrylonitrile	7.12	41	31123	17.319	ug/l 99
36) 1,2-Dichloroethane	8.08	62	86271	20.944	ug/l 100
37) Trichloroethene	8.80	130	54288	21.089	ug/l 98
38) Methylcyclohexane	9.05	83	84887	19.616	ug/l 99
39) 1,2-Dichloropropane	9.08	63	67301	20.613	ug/l 97
40) Dibromomethane	9.17	93	39598	21.044	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	83912	21.025	ug/l	97
42) Vinyl Acetate	5.84	43	845892	99.502	ug/l	100
43) Ethyl Acetate	6.88	43	81981	19.932	ug/l	99
44) Isopropyl Acetate	8.12	43	131983	19.126	ug/l	98
45) 1,4-Dioxane	9.16	88	16475	349.003	ug/l	96
46) Methyl methacrylate	9.17	41	61494	18.783	ug/l	98
47) n-amyl Acetate	12.05	43	109287	18.787	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	94045	20.203	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	102819	20.462	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	55807	21.159	ug/l	98
51) Ethyl methacrylate	10.40	69	84452	19.018	ug/l	98
52) 1,3-Dichloropropane	10.68	76	101348	20.937	ug/l	97
53) Dibromochloromethane	10.87	129	59502	20.706	ug/l	100
54) 1,2-Dibromoethane	10.98	107	55350	20.503	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	134447	94.793	ug/l	100
56) Bromoform	12.10	173	39747	20.251	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	394717	93.700	ug/l	100
59) 2-Hexanone	10.72	43	276216	89.405	ug/l	100
61) Tetrachloroethene	10.60	164	46792	21.133	ug/l	94
62) Toluene	10.12	91	248712	20.277	ug/l	99
64) Chlorobenzene	11.40	112	145397	20.173	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	54330	20.364	ug/l	99
66) Ethyl Benzene	11.48	91	270032	19.880	ug/l	99
67) m/p-Xylenes	11.59	106	198801	40.323	ug/l	100
68) o-Xylene	11.92	106	93179	19.694	ug/l	99
69) Styrene	11.94	104	158861	19.783	ug/l	99
70) Isopropylbenzene	12.22	105	254850	20.065	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	80606	19.637	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	74973m	18.777	ug/l	
73) Bromobenzene	12.50	156	59069	20.081	ug/l	99
74) n-propylbenzene	12.56	91	307943	20.397	ug/l	100
75) 2-Chlorotoluene	12.65	91	183773	20.217	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	216442	20.000	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	25901	17.344	ug/l	95
78) 4-Chlorotoluene	12.75	91	189946	20.479	ug/l	100
79) tert-butylbenzene	12.97	119	175830	19.621	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	208360	19.576	ug/l	100
81) sec-Butylbenzene	13.15	105	239481	19.900	ug/l	99
82) p-Isopropyltoluene	13.26	119	210839	19.853	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	106118	20.773	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	104704	20.772	ug/l	99
85) n-Butylbenzene	13.59	91	171677	18.845	ug/l	100
86) Hexachloroethane	13.85	117	38876	18.970	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	101771	20.718	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	14384	18.554	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	49745	20.342	ug/l	94
90) Hexachlorobutadiene	14.99	225	29310	21.610	ug/l	97
91) Naphthalene	15.10	128	113029	17.047	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	49412	20.048	ug/l	99

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

