

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071420\
 Data File : VN062520.D
 Acq On : 14 Jul 2020 9:32
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 15 00:54:17 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	45831	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	256907	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	236606	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	116511	29.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.63%
60) 4-Bromofluorobenzene	12.37	95	120524	29.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.77%
63) Toluene-d8	10.06	98	338294	30.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	56710	20.964	ug/l 98
3) Chloromethane	2.04	50	76268	19.526	ug/l 99
4) Vinyl Chloride	2.16	62	66864	19.583	ug/l 96
5) Bromomethane	2.53	94	28652	16.915	ug/l 93
6) Chloroethane	2.67	64	32420	19.288	ug/l 96
7) Trichlorofluoromethane	2.98	101	86769	21.683	ug/l 99
8) Diethyl Ether	3.37	74	36981	19.224	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	51970	20.089	ug/l 86
10) 1,1-Dichloroethene	3.70	96	52285	19.811	ug/l 98
11) Methyl Iodide	3.91	142	63863	19.760	ug/l 99
12) Methyl Acetate	4.27	43	69712	19.695	ug/l 99
13) Acrolein	3.56	56	55691	105.309	ug/l 99
14) Acrylonitrile	4.92	53	157413	95.624	ug/l 98
15) Acetone	3.77	58	56988	112.773	ug/l 100
16) Carbon Disulfide	4.01	76	168869	19.635	ug/l 100
17) Allyl chloride	4.27	41	115089	20.504	ug/l 99
18) Methylene Chloride	4.50	84	63693	19.614	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	56778	19.438	ug/l 94
20) Diisopropyl ether	5.90	45	232430	20.144	ug/l 97
21) 1,1-Dichloroethane	5.79	63	120789	19.801	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	65172	19.784	ug/l 100
23) tert-Butyl Alcohol	4.73	59	53715	97.503	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	188517	19.375	ug/l # 80
25) Chloroform	7.33	83	110876	19.819	ug/l 97
26) Cyclohexane	7.61	56	107057	19.911	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	86333	19.811	ug/l 99
30) 2-Butanone	6.78	43	238942	103.389	ug/l 99
31) 2,2-Dichloropropane	6.77	77	97878	19.920	ug/l # 69
32) 1,1,1-Trichloroethane	7.53	97	93597	19.984	ug/l 99
33) Carbon Tetrachloride	7.73	117	83110	20.470	ug/l 100
34) Benzene	8.00	78	257195	19.866	ug/l 100
35) Methacrylonitrile	7.12	41	40331	19.867	ug/l 98
36) 1,2-Dichloroethane	8.08	62	93662	20.128	ug/l 99
37) Trichloroethene	8.80	130	57766	19.865	ug/l 99
38) Methylcyclohexane	9.04	83	95498	19.535	ug/l 99
39) 1,2-Dichloropropane	9.08	63	74101	20.091	ug/l 99
40) Dibromomethane	9.17	93	41678	19.607	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	89091	19.760	ug/l	97
42) Vinyl Acetate	5.84	43	957311	99.682	ug/l	99
43) Ethyl Acetate	6.88	43	91817	19.761	ug/l	100
44) Isopropyl Acetate	8.12	43	148148	19.004	ug/l #	80
45) 1,4-Dioxane	9.16	88	21239	398.275	ug/l	96
46) Methyl methacrylate	9.17	41	71272	19.271	ug/l	99
47) n-amyl Acetate	12.04	43	122926	18.706	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	102546	19.500	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	111321	19.611	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	59665	20.025	ug/l	98
51) Ethyl methacrylate	10.40	69	95604	19.058	ug/l	96
52) 1,3-Dichloropropane	10.68	76	109590	20.041	ug/l	99
53) Dibromochloromethane	10.87	129	63456	19.547	ug/l	97
54) 1,2-Dibromoethane	10.98	107	59571	19.533	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	148474	92.666	ug/l	100
56) Bromoform	12.10	173	42608	19.217	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	452672	98.197	ug/l	100
59) 2-Hexanone	10.72	43	334860	99.046	ug/l	100
61) Tetrachloroethene	10.60	164	49643	20.488	ug/l	98
62) Toluene	10.12	91	270099	20.122	ug/l	100
64) Chlorobenzene	11.40	112	158567	20.104	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	58145	19.916	ug/l	99
66) Ethyl Benzene	11.48	91	293607	19.753	ug/l	98
67) m/p-Xylenes	11.59	106	215623	39.966	ug/l	99
68) o-Xylene	11.92	106	102005	19.701	ug/l	99
69) Styrene	11.94	104	170635	19.418	ug/l	99
70) Isopropylbenzene	12.22	105	273844	19.703	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	87752	19.535	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	81674m	18.692	ug/l	
73) Bromobenzene	12.50	156	62962	19.560	ug/l	99
74) n-propylbenzene	12.56	91	328430	19.879	ug/l	99
75) 2-Chlorotoluene	12.65	91	197010	19.806	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	231051	19.510	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	29983	18.347	ug/l	98
78) 4-Chlorotoluene	12.75	91	200173	19.722	ug/l	99
79) tert-butylbenzene	12.97	119	190041	19.379	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	229265	19.683	ug/l	99
81) sec-Butylbenzene	13.15	105	259417	19.698	ug/l	100
82) p-Isopropyltoluene	13.26	119	228479	19.660	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	108840	19.470	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	108275	19.629	ug/l	97
85) n-Butylbenzene	13.59	91	189501	19.009	ug/l	99
86) Hexachloroethane	13.85	117	42225	18.829	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	105695	19.662	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	15785	18.607	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	49028	18.321	ug/l	100
90) Hexachlorobutadiene	14.98	225	30150	20.313	ug/l	96
91) Naphthalene	15.10	128	122741	16.917	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	49892	18.498	ug/l	99

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

