

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN051520\
 Data File : VN061416.D
 Acq On : 15 May 2020 18:22
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 16 01:54:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	17847	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	105860	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	95250	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	48561	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	12.38	95	48331	29.72	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.07%
63) Toluene-d8	10.06	98	133075	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	14949	18.40	ug/l	99
3) Chloromethane	2.03	50	30779	20.72	ug/l	97
4) Vinyl Chloride	2.16	62	43736	21.96	ug/l	96
5) Bromomethane	2.54	94	21229	20.99	ug/l	99
6) Chloroethane	2.67	64	29163	21.64	ug/l	95
7) Trichlorofluoromethane	2.98	101	46849	21.98	ug/l	99
8) Diethyl Ether	3.37	74	12927	19.07	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	17397	19.11	ug/l	96
10) 1,1-Dichloroethene	3.70	96	18293	19.08	ug/l	99
11) Methyl Iodide	3.91	142	20956	20.20	ug/l	99
12) Methyl Acetate	4.28	43	23720	20.37	ug/l	95
13) Acrolein	3.57	56	14664	74.81	ug/l	95
14) Acrylonitrile	4.93	53	51524	94.28	ug/l	98
15) Acetone	3.78	58	13697	104.37	ug/l	87
16) Carbon Disulfide	4.01	76	49714	18.45	ug/l	99
17) Allyl chloride	4.27	41	38974	20.20	ug/l	98
18) Methylene Chloride	4.50	84	22795	19.70	ug/l	97
19) trans-1,2-Dichloroethene	4.99	96	21603	18.94	ug/l	97
20) Diisopropyl ether	5.91	45	84213	18.75	ug/l	96
21) 1,1-Dichloroethane	5.80	63	45336	19.33	ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	25825	19.30	ug/l	97
23) tert-Butyl Alcohol	4.74	59	13728	78.37	ug/l #	100
24) Methyl tert-Butyl Ether	5.00	73	75375	19.37	ug/l #	79
25) Chloroform	7.33	83	43745	19.24	ug/l	96
26) Cyclohexane	7.62	56	41722	18.63	ug/l #	96
29) 1,1-Dichloropropene	7.75	75	34241	18.43	ug/l	98
30) 2-Butanone	6.79	43	71240	90.66	ug/l	99
31) 2,2-Dichloropropane	6.78	77	38366	17.68	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	39158	18.84	ug/l	99
33) Carbon Tetrachloride	7.73	117	28728	18.01	ug/l	96
34) Benzene	8.00	78	97936	18.64	ug/l	98
35) Methacrylonitrile	7.13	41	13808	17.52	ug/l	86
36) 1,2-Dichloroethane	8.09	62	39432	19.55	ug/l	99
37) Trichloroethene	8.80	130	25144	19.43	ug/l	96
38) Methylcyclohexane	9.05	83	39694	17.80	ug/l	97
39) 1,2-Dichloropropane	9.08	63	26905	18.62	ug/l	97
40) Dibromomethane	9.18	93	17062	19.12	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	35422	18.30	ug/l	99
42) Vinyl Acetate	5.85	43	345738	92.65	ug/l	100
43) Ethyl Acetate	6.88	43	33445	19.93	ug/l #	87
44) Isopropyl Acetate	8.13	43	60670	18.62	ug/l #	88
45) 1,4-Dioxane	9.17	88	4064	316.00	ug/l #	87
46) Methyl methacrylate	9.17	41	27091	17.68	ug/l	95
47) n-amyl Acetate	12.05	43	51586	17.75	ug/l	98
48) t-1,3-Dichloropropene	10.36	75	40810	17.86	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	43314	17.92	ug/l	95
50) 1,1,2-Trichloroethane	10.54	97	23331	18.91	ug/l	98
51) Ethyl methacrylate	10.40	69	39052	18.37	ug/l	97
52) 1,3-Dichloropropane	10.68	76	42841	19.01	ug/l	99
53) Dibromochloromethane	10.88	129	24080	17.81	ug/l	99
54) 1,2-Dibromoethane	10.98	107	23498	18.46	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	86761	92.22	ug/l	98
56) Bromoform	12.10	173	14766	17.37	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	167239	96.35	ug/l	99
59) 2-Hexanone	10.72	43	115106	93.76	ug/l	100
61) Tetrachloroethene	10.61	164	22774	19.12	ug/l	95
62) Toluene	10.13	91	106407	19.27	ug/l	100
64) Chlorobenzene	11.41	112	62879	19.24	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	22237	18.62	ug/l	98
66) Ethyl Benzene	11.49	91	118616	18.71	ug/l	100
67) m/p-Xylenes	11.60	106	87775	37.50	ug/l	100
68) o-Xylene	11.92	106	41809	18.72	ug/l	99
69) Styrene	11.94	104	70549	18.35	ug/l	98
70) Isopropylbenzene	12.23	105	112552	18.60	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	32257	19.29	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	30993m	19.43	ug/l	
73) Bromobenzene	12.50	156	23714	18.86	ug/l	93
74) n-propylbenzene	12.57	91	132719	18.44	ug/l	99
75) 2-Chlorotoluene	12.65	91	77435	18.76	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	93080	18.33	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	11418	17.20	ug/l	97
78) 4-Chlorotoluene	12.75	91	78984	18.28	ug/l	100
79) tert-butylbenzene	12.97	119	78743	18.66	ug/l	98
80) 1,2,4-Trimethylbenzene	13.02	105	93190	18.38	ug/l	100
81) sec-Butylbenzene	13.15	105	105909	18.22	ug/l	99
82) p-Isopropyltoluene	13.26	119	92317	17.64	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	42805	18.32	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	43051	18.62	ug/l	98
85) n-Butylbenzene	13.59	91	85275	17.60	ug/l	98
86) Hexachloroethane	13.85	117	12422	17.03	ug/l	80
87) 1,2-Dichlorobenzene	13.63	146	41684	18.81	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	6479	18.18	ug/l	97
89) 1,2,4-Trichlorobenzene	14.89	180	22523	17.69	ug/l	98
90) Hexachlorobutadiene	14.99	225	8378	16.15	ug/l	98
91) Naphthalene	15.11	128	74782	18.67	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	22453	18.15	ug/l	97

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

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