

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022318\
 Data File : VX000140.D
 Acq On : 23 Feb 2018 18:21
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Feb 24 01:30:11 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	20859	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	127578	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	123298	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.08	65	50980	31.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.27%
60) 4-Bromofluorobenzene	11.15	95	59274	29.39	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.97%
63) Toluene-d8	8.73	98	157997	29.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.73%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	16735	12.93	ug/l	94
3) Chloromethane	1.32	50	18325	14.12	ug/l	96
4) Vinyl Chloride	1.41	62	20183	13.07	ug/l	100
5) Bromomethane	1.65	94	17010	11.96	ug/l	91
6) Chloroethane	1.73	64	12739	12.89	ug/l	97
7) Trichlorofluoromethane	1.94	101	32649	12.21	ug/l	99
8) Diethyl Ether	2.20	74	11378	12.18	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	18365	12.59	ug/l	95
10) 1,1-Dichloroethene	2.38	96	17449	12.52	ug/l	97
11) Methyl Iodide	2.52	142	18069	13.34	ug/l	98
12) Methyl Acetate	2.78	43	37302	14.98	ug/l	99
13) Acrolein	2.30	56	17725	59.14	ug/l	99
14) Acrylonitrile	3.16	53	73509	68.11	ug/l	99
15) Acetone	2.45	58	24157	68.66	ug/l	93
16) Carbon Disulfide	2.57	76	45614	11.44	ug/l	97
17) Allyl chloride	2.73	41	30915	13.01	ug/l	96
18) Methylene Chloride	2.87	84	19905	13.11	ug/l	95
19) trans-1,2-Dichloroethene	3.17	96	18940	12.49	ug/l	93
20) Diisopropyl ether	3.88	45	46514	12.40	ug/l	94
21) 1,1-Dichloroethane	3.71	63	32532	13.15	ug/l	100
22) cis-1,2-Dichloroethene	4.61	96	18620	13.22	ug/l	97
23) tert-Butyl Alcohol	3.07	59	40369	65.44	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	60584	12.62	ug/l	98
25) Chloroform	5.23	83	31516	12.85	ug/l	95
26) Cyclohexane	5.59	56	24618	12.70	ug/l #	99
29) 1,1-Dichloropropene	5.81	75	23005	12.38	ug/l	99
30) 2-Butanone	4.72	43	98375	68.79	ug/l #	97
31) 2,2-Dichloropropane	4.60	77	24112	12.07	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	27538	12.25	ug/l	98
33) Carbon Tetrachloride	5.80	117	22490	11.27	ug/l	94
34) Benzene	6.15	78	68058	12.73	ug/l #	89
35) Methacrylonitrile	5.08	41	17521	13.31	ug/l	94
36) 1,2-Dichloroethane	6.21	62	27152	13.39	ug/l	100
37) Trichloroethene	7.23	130	19370	12.26	ug/l	98
38) Methylcyclohexane	7.47	83	27019	12.13	ug/l	100
39) 1,2-Dichloropropane	7.53	63	16591	12.43	ug/l	100
40) Dibromomethane	7.67	93	13384	13.02	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.91	83	23391	11.97	ug/l #	99
42) Vinyl Acetate	3.83	43	241901	66.36	ug/l	100
43) Ethyl Acetate	4.87	43	33137m	13.19	ug/l	
44) Isopropyl Acetate	6.48	43	47310	12.84	ug/l	97
45) 1,4-Dioxane	7.77	88	11605	250.36	ug/l	97
46) Methyl methacrylate	7.79	41	23160	12.92	ug/l	88
47) n-amyl Acetate	10.91	43	38830	12.07	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	27861	12.24	ug/l	97
49) cis-1,3-Dichloropropene	9.05	75	26744	12.08	ug/l	94
50) 1,1,2-Trichloroethane	9.23	97	19601	12.98	ug/l	98
51) Ethyl methacrylate	9.19	69	27930	12.07	ug/l	94
52) 1,3-Dichloropropane	9.38	76	31421	12.97	ug/l	98
53) Dibromochloromethane	9.59	129	19010	11.32	ug/l	97
54) 1,2-Dibromoethane	9.68	107	21026	12.49	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	100997	99.99	ug/l	99
56) Bromoform	10.87	173	13863	10.19	ug/l	100
58) 4-Methyl-2-Pentanone	8.66	43	178023	65.92	ug/l	99
59) 2-Hexanone	9.51	43	151007	66.03	ug/l	99
61) Tetrachloroethene	9.34	164	17996	12.02	ug/l	95
62) Toluene	8.79	91	79139	12.34	ug/l	99
64) Chlorobenzene	10.15	112	53274	12.29	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.23	131	18222	11.87	ug/l	99
66) Ethyl Benzene	10.26	91	91265	12.46	ug/l	99
67) m/p-Xylenes	10.37	106	68006	23.69	ug/l	98
68) o-Xylene	10.71	106	33224	11.92	ug/l	97
69) Styrene	10.72	104	55414	12.00	ug/l	98
70) Isopropylbenzene	11.02	105	91092	12.09	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.27	83	32199	12.42	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	29652m	12.75	ug/l	
73) Bromobenzene	11.26	156	23127	11.70	ug/l	95
74) n-propylbenzene	11.37	91	108117	12.24	ug/l	99
75) 2-Chlorotoluene	11.43	91	62630	12.33	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	75275	11.79	ug/l	71
77) t-1,4-Dichloro-2-butene	11.09	75	9176	11.15	ug/l	96
78) 4-Chlorotoluene	11.52	91	72346	11.89	ug/l	99
79) tert-butylbenzene	11.78	119	74165m	11.67	ug/l	
80) 1,2,4-Trimethylbenzene	11.82	105	78280	12.01	ug/l	99
81) sec-Butylbenzene	11.96	105	94524	12.03	ug/l	99
82) p-Isopropyltoluene	12.07	119	81435	11.62	ug/l	97
83) 1,3-Dichlorobenzene	12.04	146	44341	11.79	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	45036	11.49	ug/l	98
85) n-Butylbenzene	12.40	91	78029	11.87	ug/l	99
86) Hexachloroethane	12.60	117	12446	10.63	ug/l	97
87) 1,2-Dichlorobenzene	12.40	146	43870	11.77	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	8922	12.30	ug/l	88
89) 1,2,4-Trichlorobenzene	13.65	180	31591	11.54	ug/l	99
90) Hexachlorobutadiene	13.79	225	13536	11.47	ug/l	99
91) Naphthalene	13.84	128	112225	11.73	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	31464	11.43	ug/l	97

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

