

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071218\
 Data File : VX003344.D
 Acq On : 12 Jul 2018 11:37
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Quant Time: Jul 12 13:04:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X071218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 12 13:04:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	59354	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	318446	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	299018	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	127871	28.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.03%
60) 4-Bromofluorobenzene	11.14	95	141928	28.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.80%
63) Toluene-d8	8.72	98	405411	31.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	98022	34.601	ug/l 100
3) Chloromethane	1.33	50	96221	31.287	ug/l 99
4) Vinyl Chloride	1.41	62	103721	30.269	ug/l 99
5) Bromomethane	1.64	94	43708	21.833	ug/l 98
6) Chloroethane	1.73	64	60805	26.384	ug/l 99
7) Trichlorofluoromethane	1.93	101	138163	22.684	ug/l 98
8) Diethyl Ether	2.20	74	54339	25.021	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	81155	23.279	ug/l 96
10) 1,1-Dichloroethene	2.38	96	75681	24.664	ug/l 93
11) Methyl Iodide	2.52	142	62403	17.659	ug/l 92
12) Methyl Acetate	2.79	43	130719	26.251	ug/l 95
13) Acrolein	2.30	56	46085	130.166	ug/l 98
14) Acrylonitrile	3.16	53	233290	124.563	ug/l 99
15) Acetone	2.45	58	61042	117.260	ug/l 82
16) Carbon Disulfide	2.57	76	206301	26.851	ug/l 99
17) Allyl chloride	2.73	41	143344	23.475	ug/l 93
18) Methylene Chloride	2.87	84	86795	24.713	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	79518	24.167	ug/l 95
20) Diisopropyl ether	3.88	45	269368	23.675	ug/l 96
21) 1,1-Dichloroethane	3.70	63	155615	25.435	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	80165	22.666	ug/l 83
23) tert-Butyl Alcohol	3.07	59	99343	116.831	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	249572	21.784	ug/l 91
25) Chloroform	5.22	83	134566	21.917	ug/l 96
26) Cyclohexane	5.58	56	114858	22.097	ug/l # 95
29) 1,1-Dichloropropene	5.81	75	99101	23.044	ug/l 98
30) 2-Butanone	4.71	43	280425	113.958	ug/l 95
31) 2,2-Dichloropropane	4.59	77	100737	21.918	ug/l 99
32) 1,1,1-Trichloroethane	5.50	97	111508	21.465	ug/l 99
33) Carbon Tetrachloride	5.79	117	98467	21.088	ug/l 91
34) Benzene	6.15	78	302658	23.764	ug/l 98
35) Methacrylonitrile	5.07	41	59495	22.206	ug/l 85
36) 1,2-Dichloroethane	6.21	62	106348	21.269	ug/l 96
37) Trichloroethene	7.22	130	83356	22.347	ug/l 92
38) Methylcyclohexane	7.46	83	112340	21.472	ug/l 97
39) 1,2-Dichloropropane	7.53	63	78091	23.507	ug/l 97
40) Dibromomethane	7.67	93	51671	22.387	ug/l 98

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

41) Bromodichloromethane	7.90	83	94850	21.877	ug/l	100
42) Vinyl Acetate	3.83	43	1127458	120.808	ug/l	99
43) Ethyl Acetate	4.87	43	104312	22.164	ug/l	97
44) Isopropyl Acetate	6.48	43	165957	21.045	ug/l	95
45) 1,4-Dioxane	7.76	88	36952	478.326	ug/l #	84
46) Methyl methacrylate	7.78	41	86232	21.401	ug/l	92
47) n-amyl Acetate	10.90	43	139072	18.690	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	114339	22.464	ug/l	98
49) cis-1,3-Dichloropropene	9.04	75	102271	21.513	ug/l	93
50) 1,1,2-Trichloroethane	9.22	97	77691	22.820	ug/l	98
51) Ethyl methacrylate	9.18	69	108407	21.094	ug/l	85
52) 1,3-Dichloropropane	9.37	76	129382	23.267	ug/l	99
53) Dibromochloromethane	9.59	129	75102	20.780	ug/l	100
54) 1,2-Dibromoethane	9.68	107	80719	22.498	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	280468	114.904	ug/l	99
56) Bromoform	10.86	173	55394	19.199	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	553144	108.954	ug/l	94
59) 2-Hexanone	9.50	43	427134	110.058	ug/l	94
61) Tetrachloroethene	9.34	164	94126	22.936	ug/l	98
62) Toluene	8.79	91	332503	23.069	ug/l	99
64) Chlorobenzene	10.14	112	213448	22.289	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	75531	21.518	ug/l	98
66) Ethyl Benzene	10.26	91	355240	21.884	ug/l	100
67) m/p-Xylenes	10.36	106	276992	43.910	ug/l	98
68) o-Xylene	10.70	106	133414	21.708	ug/l	96
69) Styrene	10.71	104	218375	21.298	ug/l	97
70) Isopropylbenzene	11.02	105	359057	21.187	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	115248	22.749	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	132187	30.099	ug/l	93
73) Bromobenzene	11.26	156	98402	20.879	ug/l	97
74) n-propylbenzene	11.36	91	416158	21.154	ug/l	99
75) 2-Chlorotoluene	11.42	91	252232	22.031	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	299109	20.786	ug/l	98
77) t-1,4-Dichloro-2-butene	11.08	75	29615	20.967	ug/l	96
78) 4-Chlorotoluene	11.51	91	288941	21.304	ug/l	99
79) tert-butylbenzene	12.07	119	317085	19.979	ug/l	98
80) 1,2,4-Trimethylbenzene	11.81	105	308324	20.984	ug/l	99
81) sec-Butylbenzene	11.95	105	351874	19.990	ug/l	100
82) p-Isopropyltoluene	12.07	119	317085	19.979	ug/l	98
83) 1,3-Dichlorobenzene	12.03	146	178877	20.625	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	185429	21.169	ug/l	99
85) n-Butylbenzene	12.39	91	273481	19.440	ug/l	99
86) Hexachloroethane	12.60	117	43292	17.997	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	187577	21.417	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.01	75	24282	21.456	ug/l	89
89) 1,2,4-Trichlorobenzene	13.65	180	135671	20.522	ug/l	99
90) Hexachlorobutadiene	13.79	225	65590	19.058	ug/l	99
91) Naphthalene	13.83	128	405597	23.146	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	141056	21.446	ug/l	99

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

