

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002177.D
 Acq On : 31 May 2018 14:58
 Operator : JC/MD
 Sample : VX0531WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS01

Quant Time: May 31 15:17:29 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X052518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 25 02:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	50101	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	289261	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	262386	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	121018	30.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.33%
60) 4-Bromofluorobenzene	11.14	95	128636	28.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.47%
63) Toluene-d8	8.72	98	350932	30.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	50822	19.107	ug/l 99
3) Chloromethane	1.32	50	63176	19.967	ug/l 99
4) Vinyl Chloride	1.40	62	65139	20.696	ug/l 100
5) Bromomethane	1.64	94	34139	19.360	ug/l 100
6) Chloroethane	1.73	64	42920	23.050	ug/l 97
7) Trichlorofluoromethane	1.93	101	109248	22.758	ug/l 96
8) Diethyl Ether	2.19	74	40692	22.523	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	62024	23.992	ug/l 98
10) 1,1-Dichloroethene	2.38	96	55202	22.147	ug/l 97
11) Methyl Iodide	2.51	142	53288	13.608	ug/l 97
12) Methyl Acetate	2.78	43	99613	24.654	ug/l 100
13) Acrolein	2.30	56	38042	110.590	ug/l 99
14) Acrylonitrile	3.15	53	182722	109.925	ug/l 99
15) Acetone	2.45	58	51876	117.068	ug/l 91
16) Carbon Disulfide	2.57	76	116081	16.308	ug/l 100
17) Allyl chloride	2.73	41	118039	22.943	ug/l 93
18) Methylene Chloride	2.86	84	64147	22.897	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	58467	22.184	ug/l 98
20) Diisopropyl ether	3.88	45	212533	21.636	ug/l 99
21) 1,1-Dichloroethane	3.70	63	111390	21.303	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	62170	19.786	ug/l 94
23) tert-Butyl Alcohol	3.07	59	92291	107.045	ug/l 100
24) Methyl tert-Butyl Ether	3.21	73	220538	22.667	ug/l 99
25) Chloroform	5.22	83	110954	20.182	ug/l 99
26) Cyclohexane	5.58	56	94078	19.550	ug/l # 98
29) 1,1-Dichloropropene	5.81	75	77901	19.249	ug/l 99
30) 2-Butanone	4.71	43	260882	92.417	ug/l 100
31) 2,2-Dichloropropane	4.59	77	88275	24.819	ug/l 99
32) 1,1,1-Trichloroethane	5.50	97	95949	18.153	ug/l 99
33) Carbon Tetrachloride	5.79	117	81799	17.030	ug/l 93
34) Benzene	6.15	78	237521	19.436	ug/l 98
35) Methacrylonitrile	5.07	41	57310	18.334	ug/l 97
36) 1,2-Dichloroethane	6.20	62	96986	20.370	ug/l 99
37) Trichloroethene	7.22	130	66486	19.179	ug/l 97
38) Methylcyclohexane	7.46	83	92846	19.663	ug/l 99
39) 1,2-Dichloropropane	7.53	63	64130	19.408	ug/l 94
40) Dibromomethane	7.67	93	42372	19.114	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	76516	16.637	ug/l	96
42) Vinyl Acetate	3.83	43	899998	100.775	ug/l	99
43) Ethyl Acetate	4.87	43	101456	18.311	ug/l	98
44) Isopropyl Acetate	6.47	43	166870	18.111	ug/l	100
45) 1,4-Dioxane	7.76	88	32073	365.910	ug/l #	86
46) Methyl methacrylate	7.78	41	84265	18.060	ug/l	97
47) n-amyl Acetate	10.90	43	149591	17.648	ug/l #	91
48) t-1,3-Dichloropropene	8.44	75	93371	18.066	ug/l	98
49) cis-1,3-Dichloropropene	9.05	75	87507	17.490	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	62807	19.735	ug/l	98
51) Ethyl methacrylate	9.19	69	102577	18.606	ug/l	96
52) 1,3-Dichloropropane	9.38	76	106663	19.868	ug/l	99
53) Dibromochloromethane	9.59	129	61536	15.827	ug/l	100
54) 1,2-Dibromoethane	9.68	107	64826	18.814	ug/l	98
55) 2-Chloroethyl vinyl ether	8.32	63	337007	130.234	ug/l	100
56) Bromoform	10.86	173	45794	13.394	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	541037	94.753	ug/l	100
59) 2-Hexanone	9.50	43	414540	93.558	ug/l	100
61) Tetrachloroethene	9.34	164	76838	19.200	ug/l	98
62) Toluene	8.79	91	263921	19.696	ug/l	98
64) Chlorobenzene	10.14	112	171873	19.818	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	62727	17.773	ug/l	98
66) Ethyl Benzene	10.26	91	297810	19.775	ug/l	99
67) m/p-Xylenes	10.37	106	224743	39.310	ug/l	100
68) o-Xylene	10.70	106	113952	19.900	ug/l	98
69) Styrene	10.72	104	181234	18.854	ug/l	99
70) Isopropylbenzene	11.02	105	307777	20.079	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	91103	18.962	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	111044	24.538	ug/l	95
73) Bromobenzene	11.26	156	80455	19.541	ug/l	97
74) n-propylbenzene	11.37	91	344790	20.150	ug/l	99
75) 2-Chlorotoluene	11.43	91	206222	19.542	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	254828	19.552	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	24491	14.938	ug/l	88
78) 4-Chlorotoluene	11.52	91	233683	19.471	ug/l	99
79) tert-butylbenzene	12.07	119	271876	19.894	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	258796	19.641	ug/l	100
81) sec-Butylbenzene	11.95	105	305581	20.003	ug/l	99
82) p-Isopropyltoluene	12.07	119	271876	19.894	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	139991	19.188	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	141984	19.552	ug/l	100
85) n-Butylbenzene	12.39	91	226587	19.770	ug/l	100
86) Hexachloroethane	12.60	117	38965	14.328	ug/l	100
87) 1,2-Dichlorobenzene	12.40	146	146633	19.514	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.01	75	19791	14.143	ug/l	97
89) 1,2,4-Trichlorobenzene	13.65	180	101000	18.925	ug/l	100
90) Hexachlorobutadiene	13.79	225	54645	19.249	ug/l	99
91) Naphthalene	13.84	128	323318	19.200	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	107417	19.272	ug/l	100

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

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