

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022318\
 Data File : VX000139.D
 Acq On : 23 Feb 2018 17:56
 Operator : JC/MD
 Sample : VX0223WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VX0223WBS01

Quant Time: Feb 24 01:27:48 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	24000	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	144932	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	138942	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	58332	31.40	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.67%
60) 4-Bromofluorobenzene	11.15	95	69089	30.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.33%
63) Toluene-d8	8.73	98	181150	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	30181	20.26	ug/l	95
3) Chloromethane	1.32	50	31202	20.90	ug/l	94
4) Vinyl Chloride	1.41	62	34153	19.23	ug/l	99
5) Bromomethane	1.65	94	28681	17.52	ug/l	97
6) Chloroethane	1.73	64	21837	19.21	ug/l	95
7) Trichlorofluoromethane	1.93	101	61964	20.14	ug/l	94
8) Diethyl Ether	2.20	74	21189	19.72	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34378	20.48	ug/l	96
10) 1,1-Dichloroethene	2.38	96	30861	19.24	ug/l	93
11) Methyl Iodide	2.52	142	34253	21.98	ug/l	98
12) Methyl Acetate	2.78	43	67466	23.54	ug/l	98
13) Acrolein	2.30	56	26576	77.07	ug/l	100
14) Acrylonitrile	3.15	53	129973	104.67	ug/l	99
15) Acetone	2.45	58	44235	109.27	ug/l	100
16) Carbon Disulfide	2.57	76	82695	18.03	ug/l	96
17) Allyl chloride	2.73	41	55918	20.45	ug/l	98
18) Methylene Chloride	2.87	84	34737	19.88	ug/l	90
19) trans-1,2-Dichloroethene	3.17	96	34025	19.50	ug/l	94
20) Diisopropyl ether	3.88	45	96127	22.27	ug/l	99
21) 1,1-Dichloroethane	3.71	63	59420	20.88	ug/l	100
22) cis-1,2-Dichloroethene	4.60	96	32889	20.29	ug/l	99
23) tert-Butyl Alcohol	3.07	59	75276	106.06	ug/l	100
24) Methyl tert-Butyl Ether	3.21	73	111312	20.14	ug/l	96
25) Chloroform	5.23	83	57540	20.39	ug/l	99
26) Cyclohexane	5.58	56	47833	21.44	ug/l #	99
29) 1,1-Dichloropropene	5.81	75	44653	21.16	ug/l	97
30) 2-Butanone	4.71	43	185732	114.32	ug/l	99
31) 2,2-Dichloropropane	4.59	77	46101	20.31	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	51678	20.24	ug/l	96
33) Carbon Tetrachloride	5.79	117	45499	20.06	ug/l	95
34) Benzene	6.15	78	129149	21.26	ug/l #	93
35) Methacrylonitrile	5.07	41	32252	21.56	ug/l	92
36) 1,2-Dichloroethane	6.21	62	49349	21.43	ug/l	99
37) Trichloroethene	7.22	130	37072	20.65	ug/l	96
38) Methylcyclohexane	7.47	83	55060	21.76	ug/l	98
39) 1,2-Dichloropropane	7.53	63	31754	20.94	ug/l	96
40) Dibromomethane	7.67	93	25135	21.52	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.91	83	44974	20.25	ug/l	95
42) Vinyl Acetate	3.83	43	476814	115.15	ug/l	100
43) Ethyl Acetate	4.87	43	62960	22.06	ug/l #	66
44) Isopropyl Acetate	6.48	43	89086	21.28	ug/l	98
45) 1,4-Dioxane	7.77	88	22097	419.63	ug/l	98
46) Methyl methacrylate	7.79	41	44699	21.95	ug/l	95
47) n-amyl Acetate	10.91	43	78756	21.54	ug/l	98
48) t-1,3-Dichloropropene	8.45	75	53894	20.85	ug/l	100
49) cis-1,3-Dichloropropene	9.05	75	53337	21.20	ug/l	96
50) 1,1,2-Trichloroethane	9.23	97	36000	20.99	ug/l	98
51) Ethyl methacrylate	9.19	69	54223	20.63	ug/l	95
52) 1,3-Dichloropropane	9.38	76	59279	21.55	ug/l	99
53) Dibromochloromethane	9.59	129	37753	19.78	ug/l	96
54) 1,2-Dibromoethane	9.68	107	39838	20.84	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	132197	115.20	ug/l	99
56) Bromoform	10.87	173	29075	18.81	ug/l	99
58) 4-Methyl-2-Pentanone	8.66	43	344269	113.12	ug/l	99
59) 2-Hexanone	9.51	43	297590	115.48	ug/l	97
61) Tetrachloroethene	9.34	164	36154	21.43	ug/l	94
62) Toluene	8.79	91	152382	21.08	ug/l	100
64) Chlorobenzene	10.15	112	101414	20.76	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	34954	20.20	ug/l	98
66) Ethyl Benzene	10.26	91	176098	21.34	ug/l	96
67) m/p-Xylenes	10.37	106	135504	41.89	ug/l	96
68) o-Xylene	10.71	106	67171	21.38	ug/l	100
69) Styrene	10.72	104	109146	20.97	ug/l	97
70) Isopropylbenzene	11.02	105	183188	21.57	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	63245	21.64	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	59687m	22.77	ug/l	
73) Bromobenzene	11.26	156	44545	20.01	ug/l	97
74) n-propylbenzene	11.37	91	218486	21.95	ug/l	100
75) 2-Chlorotoluene	11.43	91	124538	21.76	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	153048	21.26	ug/l	69
77) t-1,4-Dichloro-2-butene	11.08	75	18504	19.96	ug/l	95
78) 4-Chlorotoluene	11.52	91	150309	21.92	ug/l	99
79) tert-butylbenzene	11.78	119	146645m	20.47	ug/l	
80) 1,2,4-Trimethylbenzene	11.82	105	159901	21.78	ug/l	99
81) sec-Butylbenzene	11.96	105	194101	21.92	ug/l	99
82) p-Isopropyltoluene	12.07	119	171968	21.77	ug/l	99
83) 1,3-Dichlorobenzene	12.04	146	88903	20.97	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	91547	20.72	ug/l	99
85) n-Butylbenzene	12.40	91	166434	22.46	ug/l	99
86) Hexachloroethane	12.60	117	27665	20.96	ug/l	94
87) 1,2-Dichlorobenzene	12.40	146	86177	20.51	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	13.01	75	17745	21.71	ug/l	92
89) 1,2,4-Trichlorobenzene	13.65	180	64723	20.98	ug/l	99
90) Hexachlorobutadiene	13.79	225	27500	20.69	ug/l	98
91) Naphthalene	13.84	128	228483	21.19	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	63724	20.54	ug/l	99

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

