

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040318\
 Data File : VX000656.D
 Acq On : 03 Apr 2018 17:47
 Operator : JC/MD
 Sample : VX0403WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0403WBSD01

Manual Integrations
 APPROVED

sam
 4/4/2018 5:42:54 PM

Quant Time: Apr 04 03:42:06 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	136204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	217247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	236071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	152635	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	78429	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
35) Dibromofluoromethane	5.51	113	61454	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	
50) Toluene-d8	8.72	98	258063	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
62) 4-Bromofluorobenzene	11.14	95	107906	45.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	24859	16.561	ug/l	95
3) Chloromethane	1.32	50	24942	15.772	ug/l	98
4) Vinyl Chloride	1.41	62	31044	18.579	ug/l	98
5) Bromomethane	1.64	94	27436	13.748	ug/l	95
6) Chloroethane	1.73	64	21145	22.224	ug/l	97
7) Trichlorofluoromethane	1.93	101	54264	17.992	ug/l	99
8) Diethyl Ether	2.19	74	19688	18.267	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	31146	18.520	ug/l	95
10) Methyl Iodide	2.51	142	14986	12.500	ug/l	99
11) Tert butyl alcohol	3.06	59	54916	89.795	ug/l	98
12) 1,1-Dichloroethene	2.38	96	26183	17.735	ug/l	91
13) Acrolein	2.29	56	21449	118.017	ug/l	99
14) Allyl chloride	2.73	41	48989	18.724	ug/l	97
15) Acrylonitrile	3.15	53	114296	92.274	ug/l	100
16) Acetone	2.44	43	138098	93.371	ug/l	99
17) Carbon Disulfide	2.57	76	64058	16.322	ug/l	97
18) Methyl Acetate	2.78	43	58220	18.776	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	100859	18.472	ug/l	95
20) Methylene Chloride	2.86	84	32154	18.822	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	28858	17.523	ug/l	96
22) Diisopropyl ether	3.87	45	99291	21.515	ug/l	95
23) Vinyl Acetate	3.82	43	473957	108.331	ug/l	98
24) 1,1-Dichloroethane	3.71	63	55800	19.231	ug/l	98
25) 2-Butanone	4.70	43	152541	91.757	ug/l	98
26) 2,2-Dichloropropane	4.59	77	37784	18.579	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	28228	18.340	ug/l	100
28) Bromochloromethane	5.03	49	23550	19.682	ug/l	99
29) Tetrahydrofuran	5.17	42	95333	93.204	ug/l	99
30) Chloroform	5.22	83	52956	19.474	ug/l	93
31) Cyclohexane	5.58	56	38992	17.383	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	45886	18.704	ug/l	97
36) 1,1-Dichloropropene	5.81	75	39176	19.251	ug/l	99
37) Ethyl Acetate	4.86	43	52102	18.744	ug/l	98
38) Carbon Tetrachloride	5.79	117	38660	18.109	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	46716	18.876	ug/l	93
40) Benzene	6.15	78	112663	19.064	ug/l	100
41) Methacrylonitrile	5.06	41	26685	18.209	ug/l	97
42) 1,2-Dichloroethane	6.20	62	44394	19.146	ug/l	99
43) Isopropyl Acetate	6.47	43	79688	19.259	ug/l	99
44) Trichloroethene	7.22	130	34344	20.286	ug/l	96
45) 1,2-Dichloropropane	7.52	63	31185	20.616	ug/l	93
46) Dibromomethane	7.67	93	24016	20.227	ug/l	99
47) Bromodichloromethane	7.90	83	42498	20.343	ug/l	97
48) Methyl methacrylate	7.78	41	39788	19.807	ug/l	98
49) 1,4-Dioxane	7.76	88	16358	387.401	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	330013	103.040	ug/l	97
52) Toluene	8.79	92	83158	20.128	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	47633	19.677	ug/l	92
54) cis-1,3-Dichloropropene	9.05	75	48771	20.770	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	35598	20.953	ug/l	95
56) Ethyl methacrylate	9.19	69	51484	19.998	ug/l	99
57) 1,3-Dichloropropane	9.38	76	56826	20.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	91858	74.343	ug/l	98
59) 2-Hexanone	9.51	43	279426	102.749	ug/l	99
60) Dibromochloromethane	9.59	129	36672	20.855	ug/l	98
61) 1,2-Dibromoethane	9.68	107	39178	21.504	ug/l	97
64) Tetrachloroethene	9.34	164	34809	19.001	ug/l	97
65) Chlorobenzene	10.15	112	102538	19.517	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	34842	19.527	ug/l	97
67) Ethyl Benzene	10.26	91	172625	19.383	ug/l	100
68) m/p-Xylenes	10.37	106	134431	38.360	ug/l	99
69) o-Xylene	10.71	106	66335	19.550	ug/l	100
70) Styrene	10.72	104	111308	19.825	ug/l	99
71) Bromoform	10.87	173	29592	19.168	ug/l #	97
73) Isopropylbenzene	11.02	105	185090	18.302	ug/l	100
74) N-amyl acetate	6.47	43	79688	15.827	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66948	18.716	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	61386m	18.714	ug/l	
77) Bromobenzene	11.26	156	46853	17.391	ug/l	99
78) n-propylbenzene	11.37	91	231552	19.202	ug/l	100
79) 2-Chlorotoluene	11.43	91	127115	18.247	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	157626	18.537	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	17507	17.279	ug/l	93
82) 4-Chlorotoluene	11.52	91	156729	18.843	ug/l	100
83) tert-Butylbenzene	11.77	119	156472	18.245	ug/l	97
84) 1,2,4-Trimethylbenzene	11.82	105	167558	18.794	ug/l	99
85) sec-Butylbenzene	11.95	105	203195	19.149	ug/l	100
86) p-Isopropyltoluene	12.07	119	181738	19.284	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	95102	18.670	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	101914	19.056	ug/l	97
89) n-Butylbenzene	12.40	91	182962	20.851	ug/l	99
90) Hexachloroethane	12.60	117	28206	19.015	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	96986	19.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18228	18.272	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	73163	20.435	ug/l	99
94) Hexachlorobutadiene	13.79	225	29491	19.894	ug/l	97
95) Naphthalene	13.84	128	246208	19.741	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	72806	20.580	ug/l	100

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

