

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002186.D
 Acq On : 31 May 2018 19:57
 Operator : JC/MD
 Sample : VX0531WBSD03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBSD03

Manual Integrations
 APPROVED

MMDadoda
 6/1/2018 6:37:12 PM

Quant Time: Jun 01 03:56:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	370304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341742	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	227026	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	204451	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	
35) Dibromofluoromethane	5.51	113	157646	42.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.14%	
50) Toluene-d8	8.72	98	567962	42.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.74%	
62) 4-Bromofluorobenzene	11.14	95	222035	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	58445	16.367	ug/l	98
3) Chloromethane	1.32	50	74663	18.428	ug/l	99
4) Vinyl Chloride	1.40	62	78348	20.027	ug/l	99
5) Bromomethane	1.64	94	46152	25.152	ug/l	100
6) Chloroethane	1.72	64	51869	22.492	ug/l	99
7) Trichlorofluoromethane	1.93	101	132087	22.483	ug/l	100
8) Diethyl Ether	2.19	74	51664	24.237	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	75551	23.046	ug/l	98
10) Methyl Iodide	2.51	142	84096	18.959	ug/l	97
11) Tert butyl alcohol	3.07	59	113588	122.937	ug/l	98
12) 1,1-Dichloroethene	2.37	96	67298	21.926	ug/l	95
13) Acrolein	2.30	56	29739	74.444	ug/l	98
14) Allyl chloride	2.73	41	146474	22.735	ug/l	97
15) Acrylonitrile	3.15	53	229130	120.596	ug/l	99
16) Acetone	2.45	43	247990	136.515	ug/l	98
17) Carbon Disulfide	2.57	76	156244	17.688	ug/l	99
18) Methyl Acetate	2.78	43	117509	26.314	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	276576	23.958	ug/l	100
20) Methylene Chloride	2.86	84	81434	25.059	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	71868	23.204	ug/l	97
22) Diisopropyl ether	3.88	45	266827	20.361	ug/l	100
23) Vinyl Acetate	3.83	43	1160635	106.818	ug/l	99
24) 1,1-Dichloroethane	3.70	63	146819	23.585	ug/l	99
25) 2-Butanone	4.71	43	332203	99.777	ug/l	99
26) 2,2-Dichloropropane	4.59	77	109889	17.440	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	77540	19.374	ug/l	96
28) Bromochloromethane	5.03	49	65551	23.996	ug/l	100
29) Tetrahydrofuran	5.17	42	209989	96.939	ug/l	99
30) Chloroform	5.22	83	137725	19.637	ug/l	99
31) Cyclohexane	5.58	56	119773	18.467	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	119201	18.231	ug/l	98
36) 1,1-Dichloropropene	5.81	75	97870	19.001	ug/l	99
37) Ethyl Acetate	4.87	43	125451	18.682	ug/l	99
38) Carbon Tetrachloride	5.79	117	103511	17.233	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	122462	19.352	ug/l	100
40) Benzene	6.15	78	297381	19.707	ug/l	99
41) Methacrylonitrile	5.07	41	71217	19.260	ug/l	99
42) 1,2-Dichloroethane	6.20	62	119986	19.906	ug/l	99
43) Isopropyl Acetate	6.47	43	212156	18.961	ug/l	100
44) Trichloroethene	7.22	130	84350	19.182	ug/l	95
45) 1,2-Dichloropropane	7.52	63	81519	19.892	ug/l	98
46) Dibromomethane	7.67	93	53560	19.740	ug/l	99
47) Bromodichloromethane	7.90	83	98567	17.038	ug/l	100
48) Methyl methacrylate	7.78	41	106550	18.711	ug/l	97
49) 1,4-Dioxane	7.76	88	41438	412.933	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	682337	101.165	ug/l	99
52) Toluene	8.79	92	190084	19.793	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	121232	18.194	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	113286	17.448	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	80672	20.108	ug/l	98
56) Ethyl methacrylate	9.18	69	129942	18.831	ug/l	98
57) 1,3-Dichloropropane	9.38	76	135327	20.476	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	278433	91.036	ug/l	100
59) 2-Hexanone	9.50	43	533522	102.586	ug/l	99
60) Dibromochloromethane	9.59	129	79517	16.734	ug/l	99
61) 1,2-Dibromoethane	9.68	107	84036	19.963	ug/l	99
64) Tetrachloroethene	9.34	164	94168	19.219	ug/l	98
65) Chlorobenzene	10.14	112	217239	20.064	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	79415	18.164	ug/l	99
67) Ethyl Benzene	10.26	91	372411	19.797	ug/l	99
68) m/p-Xylenes	10.37	106	286829	39.887	ug/l	99
69) o-Xylene	10.71	106	142134	19.796	ug/l	100
70) Styrene	10.72	104	233552	19.614	ug/l	100
71) Bromoform	10.86	173	59640	14.386	ug/l #	99
73) Isopropylbenzene	11.02	105	381820	19.861	ug/l	99
74) N-amyl acetate	6.47	43	212156	19.338	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	116694	21.471	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	121865m	22.348	ug/l	
77) Bromobenzene	11.26	156	102879	20.170	ug/l	97
78) n-propylbenzene	11.37	91	427962	19.876	ug/l	100
79) 2-Chlorotoluene	11.43	91	257049	20.398	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	321390	19.562	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	32072	14.136	ug/l #	83
82) 4-Chlorotoluene	11.51	91	298262	19.640	ug/l	100
83) tert-Butylbenzene	11.77	119	313781	19.463	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	332472	19.582	ug/l	100
85) sec-Butylbenzene	11.95	105	388690	20.056	ug/l	99
86) p-Isopropyltoluene	12.07	119	343454	19.805	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	181489	19.868	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	183228	20.063	ug/l	100
89) n-Butylbenzene	12.39	91	290569	19.774	ug/l	100
90) Hexachloroethane	12.60	117	50733	14.831	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	188561	20.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	26768	15.661	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	131382	19.741	ug/l	99
94) Hexachlorobutadiene	13.79	225	70123	19.587	ug/l	98
95) Naphthalene	13.84	128	410682	20.029	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	137853	20.018	ug/l	100

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

