

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000069.D
 Acq On : 12 Feb 2018 17:10
 Operator : JC/MD
 Sample : VX0212WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ClientSampleID :
 VX0212WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/15/2018 6:05:17 PM

Quant Time: Feb 13 04:00:13 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 09 23:01:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	112413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	180685	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	175344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	103748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	61853	52.66	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	5.51	113	51876	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	8.73	98	197568	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.15	95	81848	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	21702	21.30	ug/l	96
3) Chloromethane	1.32	50	21888	21.10	ug/l	97
4) Vinyl Chloride	1.41	62	25024	21.41	ug/l	97
5) Bromomethane	1.64	94	22172	35.51	ug/l	96
6) Chloroethane	1.73	64	16474	23.44	ug/l	96
7) Trichlorofluoromethane	1.93	101	44056	21.63	ug/l	97
8) Diethyl Ether	2.19	74	15182	20.59	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	24524	21.31	ug/l	97
10) Methyl Iodide	2.52	142	22305	17.12	ug/l	99
11) Tert butyl alcohol	3.07	59	54382	115.71	ug/l	99
12) 1,1-Dichloroethene	2.38	96	22266	20.41	ug/l	95
13) Acrolein	2.30	56	20432	84.70	ug/l	90
14) Allyl chloride	2.73	41	38803	20.42	ug/l	99
15) Acrylonitrile	3.15	53	89892	109.78	ug/l	100
16) Acetone	2.45	43	83709	120.38	ug/l	97
17) Carbon Disulfide	2.57	76	64412	20.27	ug/l	100
18) Methyl Acetate	2.78	43	40691	23.21	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	77110	20.66	ug/l	100
20) Methylene Chloride	2.86	84	23786	20.43	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	23659	20.15	ug/l	96
22) Diisopropyl ether	3.88	45	71366	22.74	ug/l	96
23) Vinyl Acetate	3.83	43	339960	119.83	ug/l	99
24) 1,1-Dichloroethane	3.70	63	41401	21.22	ug/l	98
25) 2-Butanone	4.71	43	123239	117.43	ug/l	99
26) 2,2-Dichloropropane	4.59	77	34555	20.67	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	23384	20.32	ug/l	96
28) Bromochloromethane	5.03	49	13552	20.95	ug/l	88
29) Tetrahydrofuran	5.18	42	80933	112.54	ug/l	99
30) Chloroform	5.23	83	41222	20.96	ug/l	98
31) Cyclohexane	5.59	56	34449	21.50	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	38024	20.54	ug/l	97
36) 1,1-Dichloropropene	5.81	75	31658	20.12	ug/l	99
37) Ethyl Acetate	4.87	43	42579	20.96	ug/l	98
38) Carbon Tetrachloride	5.79	117	35258	19.96	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	39652	20.76	ug/l	97
40) Benzene	6.15	78	90146	20.27	ug/l	99
41) Methacrylonitrile	5.07	41	21737	20.83	ug/l	99
42) 1,2-Dichloroethane	6.21	62	33817	21.29	ug/l	98
43) Isopropyl Acetate	6.48	43	63065	20.59	ug/l	100
44) Trichloroethene	7.22	130	26765	19.45	ug/l	95
45) 1,2-Dichloropropane	7.52	63	22279	20.61	ug/l	92
46) Dibromomethane	7.67	93	17600	21.09	ug/l	94
47) Bromodichloromethane	7.91	83	32610	20.10	ug/l	98
48) Methyl methacrylate	7.79	41	31152	20.72	ug/l	95
49) 1,4-Dioxane	7.77	88	17184	429.09	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	234861	110.04	ug/l	96
52) Toluene	8.79	92	61555	20.61	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	38841	20.46	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	37996	20.60	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	25631	20.46	ug/l	98
56) Ethyl methacrylate	9.19	69	40129	20.88	ug/l	98
57) 1,3-Dichloropropane	9.38	76	41645	21.37	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	96744	101.94	ug/l	98
59) 2-Hexanone	9.51	43	200383	115.44	ug/l	98
60) Dibromochloromethane	9.59	129	28850	20.03	ug/l	99
61) 1,2-Dibromoethane	9.68	107	28329	20.53	ug/l	97
64) Tetrachloroethene	9.34	164	25433	19.48	ug/l	95
65) Chlorobenzene	10.15	112	74860	20.54	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	25812	19.70	ug/l	97
67) Ethyl Benzene	10.26	91	126121	20.88	ug/l	100
68) m/p-Xylenes	10.37	106	99090	41.18	ug/l	98
69) o-Xylene	10.71	106	47719	20.55	ug/l	98
70) Styrene	10.72	104	80116	20.42	ug/l	99
71) Bromoform	10.87	173	23690	19.11	ug/l #	99
73) Isopropylbenzene	11.02	105	129338	19.65	ug/l	100
74) N-amyl acetate	6.48	43	63065	19.14	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.28	83	43827	19.57	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	40178m	20.56	ug/l	
77) Bromobenzene	11.26	156	34528	19.33	ug/l	98
78) n-propylbenzene	11.37	91	151563	19.86	ug/l	100
79) 2-Chlorotoluene	11.43	91	87255	19.77	ug/l	99
80) 1,3,5-Trimethylbenzene	11.52	105	110593	20.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	14791	18.73	ug/l	93
82) 4-Chlorotoluene	11.52	91	105750	20.05	ug/l	100
83) tert-Butylbenzene	11.78	119	112297	20.15	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	114377	20.26	ug/l	99
85) sec-Butylbenzene	11.96	105	139163	20.30	ug/l	100
86) p-Isopropyltoluene	12.07	119	125906	20.42	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	67150	19.95	ug/l	100
88) 1,4-Dichlorobenzene	12.11	146	67995	19.74	ug/l	98
89) n-Butylbenzene	12.40	91	117536	20.41	ug/l	99
90) Hexachloroethane	12.60	117	20670	19.17	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	65578	19.92	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13028	20.32	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	49929	19.82	ug/l	99
94) Hexachlorobutadiene	13.79	225	23007	19.36	ug/l	99
95) Naphthalene	13.85	128	169440	20.70	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	50079	20.44	ug/l	99

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

