

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
 Data File : VX001784.D
 Acq On : 17 May 2018 12:26
 Operator : JC/MD
 Sample : VX0517WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 12:52:50 PM

Quant Time: May 18 04:25:46 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	346424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	430015	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	232351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	217242	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	5.51	113	192146	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	8.72	98	719673	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
62) 4-Bromofluorobenzene	11.14	95	230512	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67820	19.51	ug/l	98
3) Chloromethane	1.32	50	73883	19.67	ug/l	100
4) Vinyl Chloride	1.40	62	80068	19.72	ug/l	98
5) Bromomethane	1.64	94	41201	22.36	ug/l	94
6) Chloroethane	1.72	64	51530	20.15	ug/l	99
7) Trichlorofluoromethane	1.93	101	116346	19.72	ug/l	98
8) Diethyl Ether	2.19	74	47800	19.68	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	74079	20.86	ug/l	99
10) Methyl Iodide	2.51	142	77604	23.75	ug/l	98
11) Tert butyl alcohol	3.07	59	86594	105.04	ug/l	99
12) 1,1-Dichloroethene	2.37	96	65355	19.09	ug/l	99
13) Acrolein	2.29	56	44244	75.67	ug/l	99
14) Allyl chloride	2.73	41	125683	19.86	ug/l	98
15) Acrylonitrile	3.15	53	204740	98.88	ug/l	99
16) Acetone	2.45	43	197624	108.36	ug/l	99
17) Carbon Disulfide	2.57	76	153384	17.17	ug/l	99
18) Methyl Acetate	2.78	43	112392	21.08	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	226150	19.60	ug/l	100
20) Methylene Chloride	2.86	84	75409	19.32	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	71219	18.88	ug/l	98
22) Diisopropyl ether	3.87	45	234061	19.28	ug/l	98
23) Vinyl Acetate	3.82	43	796359	91.04	ug/l	100
24) 1,1-Dichloroethane	3.70	63	133829	20.10	ug/l	99
25) 2-Butanone	4.71	43	290136	103.91	ug/l	99
26) 2,2-Dichloropropane	4.59	77	107009	19.96	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	83652	19.49	ug/l	100
28) Bromochloromethane	5.02	49	60785	20.55	ug/l	100
29) Tetrahydrofuran	5.17	42	179780	98.78	ug/l	99
30) Chloroform	5.22	83	138802	19.85	ug/l	100
31) Cyclohexane	5.57	56	119285	20.44	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	119444	19.76	ug/l	99
36) 1,1-Dichloropropene	5.80	75	101176	20.44	ug/l	99
37) Ethyl Acetate	4.86	43	106539	20.65	ug/l	99
38) Carbon Tetrachloride	5.79	117	108769	20.97	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	127119	21.98	ug/l	98
40) Benzene	6.15	78	308076	21.12	ug/l	100
41) Methacrylonitrile	5.06	41	62135	20.83	ug/l	99
42) 1,2-Dichloroethane	6.20	62	107795	20.44	ug/l	99
43) Isopropyl Acetate	6.47	43	160912	19.93	ug/l	99
44) Trichloroethene	7.21	130	95329	21.06	ug/l	99
45) 1,2-Dichloropropane	7.52	63	75397	21.07	ug/l	98
46) Dibromomethane	7.67	93	51227	20.38	ug/l	98
47) Bromodichloromethane	7.90	83	96923	20.78	ug/l	97
48) Methyl methacrylate	7.78	41	86640	20.39	ug/l	98
49) 1,4-Dioxane	7.76	88	39619	484.17	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	557675	108.99	ug/l	99
52) Toluene	8.79	92	203646	21.73	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	115856	21.12	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	99761	20.63	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	79955	22.32	ug/l	99
56) Ethyl methacrylate	9.19	69	109714	21.60	ug/l	100
57) 1,3-Dichloropropane	9.38	76	118300	19.72	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	256158	98.02	ug/l	99
59) 2-Hexanone	9.50	43	378283	103.28	ug/l	100
60) Dibromochloromethane	9.59	129	74066	20.19	ug/l	99
61) 1,2-Dibromoethane	9.68	107	74268	19.80	ug/l	99
64) Tetrachloroethene	9.34	164	101703	21.85	ug/l	98
65) Chlorobenzene	10.14	112	204007	20.74	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	75191	21.65	ug/l	99
67) Ethyl Benzene	10.26	91	333888	21.24	ug/l	100
68) m/p-Xylenes	10.37	106	270545	43.63	ug/l	100
69) o-Xylene	10.70	106	128394	21.62	ug/l	100
70) Styrene	10.72	104	212601	21.71	ug/l	100
71) Bromoform	10.86	173	58185	19.87	ug/l	99
73) Isopropylbenzene	11.02	105	350742	22.92	ug/l	100
74) N-amyl acetate	6.47	43	160912	21.93	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	97594	21.26	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	96412m	21.82	ug/l	
77) Bromobenzene	11.26	156	98262	21.85	ug/l	99
78) n-propylbenzene	11.37	91	390193	22.63	ug/l	100
79) 2-Chlorotoluene	11.43	91	232286	22.53	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	292061	23.27	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	26148	19.78	ug/l	96
82) 4-Chlorotoluene	11.52	91	270004	22.23	ug/l	99
83) tert-Butylbenzene	11.77	119	286028	22.90	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	300761	23.14	ug/l	100
85) sec-Butylbenzene	11.95	105	353988	22.96	ug/l	100
86) p-Isopropyltoluene	12.07	119	327758	22.97	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	177741	21.38	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	179885	20.92	ug/l	99
89) n-Butylbenzene	12.40	91	260783	21.13	ug/l	100
90) Hexachloroethane	12.60	117	49164	22.19	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	179092	21.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20678	21.11	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	135685	20.55	ug/l	100
94) Hexachlorobutadiene	13.79	225	76664	21.62	ug/l	99
95) Naphthalene	13.84	128	365352	21.28	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	138244	20.79	ug/l	100

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

