

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001823.D
 Acq On : 18 May 2018 14:00
 Operator : JC/MD
 Sample : VX0518WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:36 PM

Quant Time: May 19 03:37:11 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	324729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	402717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	209965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	187416	43.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.12%	
35) Dibromofluoromethane	5.51	113	168683	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.72	98	634412	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.14	95	194638	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	51558	15.82	ug/l	100
3) Chloromethane	1.32	50	59665	16.95	ug/l	99
4) Vinyl Chloride	1.40	62	62559	16.44	ug/l	98
5) Bromomethane	1.64	94	35367	20.19	ug/l	96
6) Chloroethane	1.72	64	40283	16.80	ug/l	97
7) Trichlorofluoromethane	1.93	101	90432	16.35	ug/l	99
8) Diethyl Ether	2.19	74	37985	16.69	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57550	17.29	ug/l	98
10) Methyl Iodide	2.51	142	63459	20.72	ug/l	99
11) Tert butyl alcohol	3.07	59	69495	89.93	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51424	16.02	ug/l	99
13) Acrolein	2.29	56	41886	76.42	ug/l	98
14) Allyl chloride	2.73	41	98527	16.61	ug/l	97
15) Acrylonitrile	3.15	53	164411	84.71	ug/l	100
16) Acetone	2.45	43	155986	91.24	ug/l	99
17) Carbon Disulfide	2.57	76	118062	14.10	ug/l	100
18) Methyl Acetate	2.78	43	90253	18.06	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	178997	16.55	ug/l	100
20) Methylene Chloride	2.86	84	60112	16.43	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	55750	15.77	ug/l	97
22) Diisopropyl ether	3.87	45	189116	16.62	ug/l	99
23) Vinyl Acetate	3.82	43	628024	76.59	ug/l	99
24) 1,1-Dichloroethane	3.70	63	105017	16.83	ug/l	100
25) 2-Butanone	4.71	43	233511	89.22	ug/l	97
26) 2,2-Dichloropropane	4.59	77	82967	16.51	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	67740	16.84	ug/l	99
28) Bromochloromethane	5.01	49	48813	17.61	ug/l	100
29) Tetrahydrofuran	5.17	42	145474	85.27	ug/l	100
30) Chloroform	5.22	83	109683	16.73	ug/l	97
31) Cyclohexane	5.57	56	93961	17.17	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	94110	16.61	ug/l	99
36) 1,1-Dichloropropene	5.80	75	78671	16.97	ug/l	99
37) Ethyl Acetate	4.87	43	84236	17.44	ug/l	99
38) Carbon Tetrachloride	5.78	117	83785	17.25	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	98155	18.12	ug/l	99
40) Benzene	6.15	78	248803	18.22	ug/l	99
41) Methacrylonitrile	5.07	41	48845	17.48	ug/l	99
42) 1,2-Dichloroethane	6.20	62	84890	17.18	ug/l	98
43) Isopropyl Acetate	6.47	43	128885	17.04	ug/l	99
44) Trichloroethene	7.21	130	75575	17.83	ug/l	98
45) 1,2-Dichloropropane	7.52	63	62001	18.50	ug/l	97
46) Dibromomethane	7.67	93	40389	17.16	ug/l	95
47) Bromodichloromethane	7.90	83	76867	17.60	ug/l	95
48) Methyl methacrylate	7.78	41	67709	17.01	ug/l	96
49) 1,4-Dioxane	7.76	88	31314	408.62	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	439823	91.78	ug/l	100
52) Toluene	8.79	92	161991	18.46	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	90048	17.52	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	78652	17.37	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	63679	18.98	ug/l	98
56) Ethyl methacrylate	9.18	69	83646	17.58	ug/l	98
57) 1,3-Dichloropropane	9.38	76	92070	16.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	219686	89.77	ug/l	100
59) 2-Hexanone	9.50	43	287984	83.95	ug/l	100
60) Dibromochloromethane	9.59	129	55387	16.12	ug/l	99
61) 1,2-Dibromoethane	9.68	107	56741	16.16	ug/l	99
64) Tetrachloroethene	9.34	164	84994	20.30	ug/l	95
65) Chlorobenzene	10.14	112	154879	17.51	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	56388	18.05	ug/l	99
67) Ethyl Benzene	10.26	91	253244	17.91	ug/l	100
68) m/p-Xylenes	10.36	106	202428	36.29	ug/l	100
69) o-Xylene	10.70	106	98079	18.36	ug/l	98
70) Styrene	10.72	104	158307	17.97	ug/l	100
71) Bromoform	10.86	173	43924	17.15	ug/l	99
73) Isopropylbenzene	11.02	105	263951	19.09	ug/l	99
74) N-amyl acetate	6.47	43	128885	19.44	ug/l #	99
75) 1,1,1,2-Tetrachloroethane	11.27	83	74370	17.93	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	81338m	20.37	ug/l	
77) Bromobenzene	11.26	156	74417	18.32	ug/l	100
78) n-propylbenzene	11.37	91	291698	18.72	ug/l	99
79) 2-Chlorotoluene	11.43	91	175706	18.86	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	221295	19.51	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	19355	16.80	ug/l	93
82) 4-Chlorotoluene	11.51	91	203448	18.54	ug/l	99
83) tert-Butylbenzene	11.77	119	214809	19.03	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	226890	19.31	ug/l	99
85) sec-Butylbenzene	11.95	105	265949	19.08	ug/l	100
86) p-Isopropyltoluene	12.07	119	244692	18.98	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	136446	18.16	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	135798	17.48	ug/l	99
89) n-Butylbenzene	12.39	91	192516	17.26	ug/l	99
90) Hexachloroethane	12.60	117	37327	18.64	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	135720	18.13	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	15993	18.07	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	102356	17.15	ug/l	99
94) Hexachlorobutadiene	13.79	225	57223	17.86	ug/l	99
95) Naphthalene	13.84	128	271779	17.52	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	105234	17.51	ug/l	99

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

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