

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001714.D
 Acq On : 14 May 2018 17:23
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:05 AM

Quant Time: May 15 01:20:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	313813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	414468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	376766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	247205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	20593	4.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.28%	
35) Dibromofluoromethane	5.51	113	16342	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	
50) Toluene-d8	8.72	98	55529	4.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.34%	
62) 4-Bromofluorobenzene	11.14	95	21410	4.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	15416	3.83	ug/l	100
3) Chloromethane	1.32	50	16701	4.18	ug/l	98
4) Vinyl Chloride	1.40	62	18191	4.34	ug/l	100
5) Bromomethane	1.64	94	8251	3.38	ug/l	95
6) Chloroethane	1.72	64	11986	4.35	ug/l	100
7) Trichlorofluoromethane	1.93	101	26102	4.16	ug/l	95
8) Diethyl Ether	2.19	74	11244	4.54	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	16031	4.35	ug/l	96
10) Methyl Iodide	2.51	142	12380	2.50	ug/l	98
11) Tert butyl alcohol	3.08	59	19688	21.70	ug/l	97
12) 1,1-Dichloroethene	2.37	96	15381	4.52	ug/l	99
13) Acrolein	2.30	56	14231	50.24	ug/l	99
14) Allyl chloride	2.73	41	27088	4.26	ug/l	96
15) Acrylonitrile	3.15	53	45625	21.68	ug/l	97
16) Acetone	2.45	43	41837	21.07	ug/l	97
17) Carbon Disulfide	2.57	76	35584	4.11	ug/l	97
18) Methyl Acetate	2.78	43	22964	4.31	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	51319	4.33	ug/l	97
20) Methylene Chloride	2.86	84	17766	4.47	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	16190	4.25	ug/l	88
22) Diisopropyl ether	3.88	45	53548	4.49	ug/l	98
23) Vinyl Acetate	3.83	43	221156	22.96	ug/l	98
24) 1,1-Dichloroethane	3.70	63	30471	4.60	ug/l	97
25) 2-Butanone	4.71	43	60284	20.78	ug/l	96
26) 2,2-Dichloropropane	4.59	77	22904	4.45	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	17937	4.38	ug/l	94
28) Bromochloromethane	5.03	49	11811	4.05	ug/l	97
29) Tetrahydrofuran	5.17	42	38722	20.80	ug/l	99
30) Chloroform	5.22	83	31646	4.61	ug/l	99
31) Cyclohexane	5.58	56	24351	4.24	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	25926	4.33	ug/l	98
36) 1,1-Dichloropropene	5.81	75	22158	4.27	ug/l	98
37) Ethyl Acetate	4.87	43	23832	4.22	ug/l	99
38) Carbon Tetrachloride	5.78	117	23254	4.22	ug/l	94

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	24366	3.97	ug/l	96
40) Benzene	6.15	78	68041	4.49	ug/l	98
41) Methacrylonitrile	5.07	41	13836	4.26	ug/l	97
42) 1,2-Dichloroethane	6.20	62	26059	4.51	ug/l	100
43) Isopropyl Acetate	6.48	43	35929	4.14	ug/l	99
44) Trichloroethene	7.21	130	21074	4.52	ug/l	99
45) 1,2-Dichloropropane	7.52	63	16695	4.41	ug/l	99
46) Dibromomethane	7.67	93	11762	4.41	ug/l	97
47) Bromodichloromethane	7.90	83	20043	4.06	ug/l	95
48) Methyl methacrylate	7.78	41	18772	3.98	ug/l	97
49) 1,4-Dioxane	7.76	88	7230	72.53	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	116457	20.24	ug/l	99
52) Toluene	8.79	92	43901	4.43	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	22567	4.03	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	19951	3.96	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	17089	4.32	ug/l	95
56) Ethyl methacrylate	9.19	69	21566	3.79	ug/l	98
57) 1,3-Dichloropropane	9.38	76	29497	4.51	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	61119	21.70	ug/l	100
59) 2-Hexanone	9.51	43	85113	19.56	ug/l	96
60) Dibromochloromethane	9.59	129	15191	3.77	ug/l	99
61) 1,2-Dibromoethane	9.68	107	17373	4.19	ug/l	99
64) Tetrachloroethene	9.34	164	24130	4.65	ug/l	98
65) Chlorobenzene	10.15	112	49929	4.57	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	16353	4.20	ug/l	100
67) Ethyl Benzene	10.26	91	76281	4.26	ug/l	99
68) m/p-Xylenes	10.37	106	60079	8.51	ug/l	99
69) o-Xylene	10.71	106	28698	4.19	ug/l	100
70) Styrene	10.72	104	45903	4.12	ug/l	99
71) Bromoform	10.86	173	11568	3.63	ug/l #	97
73) Isopropylbenzene	11.02	105	77759	4.55	ug/l	98
74) N-amyl acetate	6.48	43	35929	4.58	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	23779	4.72	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	23031m	4.59	ug/l	
77) Bromobenzene	11.26	156	22825	4.58	ug/l	97
78) n-propylbenzene	11.37	91	85917	4.61	ug/l	98
79) 2-Chlorotoluene	11.43	91	52781	4.62	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	63317	4.46	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	4935	3.73	ug/l #	74
82) 4-Chlorotoluene	11.52	91	61983	4.70	ug/l	100
83) tert-Butylbenzene	11.77	119	60352	4.29	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	64800	4.44	ug/l	100
85) sec-Butylbenzene	11.95	105	76071	4.48	ug/l	98
86) p-Isopropyltoluene	12.07	119	70360	4.53	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	41849	4.71	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	43835	4.83	ug/l	93
89) n-Butylbenzene	12.40	91	58352	4.50	ug/l	99
90) Hexachloroethane	12.60	117	9910	4.19	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	41918	4.65	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	4418	4.01	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	31722	4.75	ug/l	99
94) Hexachlorobutadiene	13.79	225	17387	4.76	ug/l	98
95) Naphthalene	13.84	128	78706	4.29	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	32105	4.70	ug/l	100

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

