

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021418\
 Data File : VX000093.D
 Acq On : 14 Feb 2018 18:21
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ClientSampled :
 VSTDIC005

Manual Integrations
 APPROVED

sam
 2/16/2018 1:20:40 PM

Quant Time: Feb 15 03:29:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 02:51:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	116154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	192565	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	184642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	99504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	7343	5.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.68%	
35) Dibromofluoromethane	5.52	113	5792	5.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.20%	
50) Toluene-d8	8.73	98	23700	5.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.06%	
62) 4-Bromofluorobenzene	11.15	95	9235	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	5443	5.04	ug/l	95
3) Chloromethane	1.32	50	6218	5.74	ug/l	98
4) Vinyl Chloride	1.41	62	6787	5.53	ug/l	98
5) Bromomethane	1.64	94	7087	9.77	ug/l	97
6) Chloroethane	1.72	64	4699	6.33	ug/l	92
7) Trichlorofluoromethane	1.93	101	12767	5.97	ug/l	95
8) Diethyl Ether	2.20	74	4477	5.81	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	7091	5.87	ug/l	99
10) Methyl Iodide	2.51	142	6407	4.74	ug/l	98
11) Tert butyl alcohol	3.09	59	15765	31.20	ug/l	98
12) 1,1-Dichloroethene	2.37	96	6464	5.66	ug/l	88
13) Acrolein	2.30	56	8268	32.77	ug/l	95
14) Allyl chloride	2.73	41	10955	5.49	ug/l	97
15) Acrylonitrile	3.16	53	26273	30.24	ug/l	98
16) Acetone	2.45	43	25660	33.65	ug/l	99
17) Carbon Disulfide	2.57	76	19220	5.81	ug/l	99
18) Methyl Acetate	2.79	43	11996	6.40	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	22297	5.70	ug/l	# 90
20) Methylene Chloride	2.86	84	7272	5.97	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	7307	5.93	ug/l	96
22) Diisopropyl ether	3.89	45	17751	5.38	ug/l	92
23) Vinyl Acetate	3.84	43	79443	26.61	ug/l	98
24) 1,1-Dichloroethane	3.70	63	10531	5.28	ug/l	98
25) 2-Butanone	4.72	43	34502	30.59	ug/l	99
26) 2,2-Dichloropropane	4.59	77	9555	5.46	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	6979	5.82	ug/l	98
28) Bromochloromethane	5.04	49	4976	6.96	ug/l	94
29) Tetrahydrofuran	5.18	42	22261	29.07	ug/l	98
30) Chloroform	5.23	83	11553	5.60	ug/l	90
31) Cyclohexane	5.58	56	9375	5.59	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	10439	5.38	ug/l	98
36) 1,1-Dichloropropene	5.81	75	8799	5.23	ug/l	98
37) Ethyl Acetate	4.88	43	12727	5.80	ug/l	99
38) Carbon Tetrachloride	5.79	117	9146	4.87	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	10111	4.96	ug/l	99
40) Benzene	6.15	78	25443	5.36	ug/l	99
41) Methacrylonitrile	5.08	41	6219	5.52	ug/l	93
42) 1,2-Dichloroethane	6.21	62	9672	5.67	ug/l	99
43) Isopropyl Acetate	6.48	43	17341	5.27	ug/l	97
44) Trichloroethene	7.22	130	7401	5.08	ug/l	92
45) 1,2-Dichloropropane	7.52	63	6175	5.34	ug/l	96
46) Dibromomethane	7.67	93	4734	5.29	ug/l	99
47) Bromodichloromethane	7.91	83	8612	4.97	ug/l	99
48) Methyl methacrylate	7.79	41	8352	5.17	ug/l	96
49) 1,4-Dioxane	7.77	88	4311	100.01	ug/l	94
51) 4-Methyl-2-Pentanone	8.66	43	63466	27.50	ug/l	99
52) Toluene	8.79	92	15978	5.00	ug/l	95
53) t-1,3-Dichloropropene	8.45	75	10386	5.13	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	9599	4.87	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	6950	5.19	ug/l	97
56) Ethyl methacrylate	9.19	69	10126	4.94	ug/l	93
57) 1,3-Dichloropropane	9.38	76	11267	5.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	26675	26.27	ug/l	98
59) 2-Hexanone	9.51	43	52449	27.76	ug/l	100
60) Dibromochloromethane	9.59	129	7100	4.62	ug/l	100
61) 1,2-Dibromoethane	9.68	107	7223	4.92	ug/l	99
64) Tetrachloroethene	9.34	164	6720	4.90	ug/l	94
65) Chlorobenzene	10.15	112	19768	5.14	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	6637	4.81	ug/l	97
67) Ethyl Benzene	10.26	91	33547	5.26	ug/l	94
68) m/p-Xylenes	10.37	106	25809	10.16	ug/l	100
69) o-Xylene	10.71	106	12270	5.00	ug/l	93
70) Styrene	10.72	104	19393	4.69	ug/l	95
71) Bromoform	10.87	173	5234	4.05	ug/l #	100
73) Isopropylbenzene	11.02	105	33607	5.33	ug/l	96
74) N-amyl acetate	6.48	43	17341	5.46	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	11380	5.29	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	10405m	5.51	ug/l	
77) Bromobenzene	11.26	156	8863	5.18	ug/l	96
78) n-propylbenzene	11.37	91	39013	5.32	ug/l	100
79) 2-Chlorotoluene	11.43	91	22115	5.22	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	27438	5.18	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	3063	4.07	ug/l #	82
82) 4-Chlorotoluene	11.52	91	27730	5.48	ug/l	98
83) tert-Butylbenzene	11.78	119	27986	5.25	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	29127	5.36	ug/l	100
85) sec-Butylbenzene	11.96	105	35234	5.36	ug/l	97
86) p-Isopropyltoluene	12.07	119	31244	5.27	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	16953	5.25	ug/l	97
88) 1,4-Dichlorobenzene	12.11	146	17319	5.23	ug/l	90
89) n-Butylbenzene	12.40	91	29322	5.31	ug/l	99
90) Hexachloroethane	12.60	117	4467	4.34	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	16816	5.32	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3160	5.08	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	12387	5.12	ug/l	98
94) Hexachlorobutadiene	13.79	225	5134	4.58	ug/l	96
95) Naphthalene	13.84	128	42550	5.37	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	12329	5.23	ug/l	99

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

