

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021418\
 Data File : VX000091.D
 Acq On : 14 Feb 2018 17:30
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

sam
 2/16/2018 1:20:36 PM

Quant Time: Feb 15 03:21:57 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	5.67	168	134255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	211337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	209949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	127980	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	150513	103.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.96%	
35) Dibromofluoromethane	5.51	113	132658	106.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.02%	
50) Toluene-d8	8.73	98	513449	109.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.48%	
62) 4-Bromofluorobenzene	11.15	95	209219	110.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	221.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	131006	104.91	ug/l	100
3) Chloromethane	1.32	50	118371	94.46	ug/l	97
4) Vinyl Chloride	1.41	62	138921	97.99	ug/l	96
5) Bromomethane	1.64	94	114162	136.23	ug/l	98
6) Chloroethane	1.71	64	89468	104.24	ug/l	99
7) Trichlorofluoromethane	1.92	101	242743	98.15	ug/l	98
8) Diethyl Ether	2.20	74	85446	95.86	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	135664	97.16	ug/l	98
10) Methyl Iodide	2.51	142	173518	111.07	ug/l	99
11) Tert butyl alcohol	3.10	59	318865	545.93	ug/l	99
12) 1,1-Dichloroethene	2.37	96	127202	96.34	ug/l	98
13) Acrolein	2.30	56	144870	496.84	ug/l	98
14) Allyl chloride	2.73	41	220340	95.58	ug/l	99
15) Acrylonitrile	3.16	53	511497	509.39	ug/l	100
16) Acetone	2.46	43	494534	561.11	ug/l	99
17) Carbon Disulfide	2.57	76	366440	95.89	ug/l	99
18) Methyl Acetate	2.79	43	231778	107.07	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	439908	97.23	ug/l	100
20) Methylene Chloride	2.86	84	135425	96.11	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	138612	97.33	ug/l	96
22) Diisopropyl ether	3.89	45	367394	96.38	ug/l	99
23) Vinyl Acetate	3.84	43	1885711	546.54	ug/l	99
24) 1,1-Dichloroethane	3.70	63	229600	99.67	ug/l	99
25) 2-Butanone	4.73	43	703047	539.37	ug/l	99
26) 2,2-Dichloropropane	4.59	77	196450	97.21	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	135876	97.98	ug/l	97
28) Bromochloromethane	5.03	49	95623	115.69	ug/l	98
29) Tetrahydrofuran	5.18	42	466544	527.13	ug/l	100
30) Chloroform	5.23	83	242460	101.75	ug/l	98
31) Cyclohexane	5.58	56	191068	98.64	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	225100	100.36	ug/l	99
36) 1,1-Dichloropropene	5.81	75	178138	96.50	ug/l	99
37) Ethyl Acetate	4.88	43	245992	102.18	ug/l	99
38) Carbon Tetrachloride	5.79	117	207279	100.54	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	223836	100.14	ug/l	96
40) Benzene	6.15	78	522809	100.33	ug/l	99
41) Methacrylonitrile	5.08	41	124733	100.93	ug/l	99
42) 1,2-Dichloroethane	6.21	62	188318	100.67	ug/l	100
43) Isopropyl Acetate	6.48	43	363400	100.58	ug/l	100
44) Trichloroethene	7.23	130	157220	98.30	ug/l	99
45) 1,2-Dichloropropane	7.52	63	129816	102.22	ug/l	100
46) Dibromomethane	7.67	93	101106	103.01	ug/l	97
47) Bromodichloromethane	7.91	83	194289	102.15	ug/l	99
48) Methyl methacrylate	7.79	41	177580	100.12	ug/l	98
49) 1,4-Dioxane	7.77	88	101729	2150.46	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1400175	552.90	ug/l	100
52) Toluene	8.79	92	363356	103.64	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	228359	102.87	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	228923	105.78	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	149655	101.90	ug/l	99
56) Ethyl methacrylate	9.20	69	241916	107.46	ug/l	99
57) 1,3-Dichloropropane	9.38	76	233195	101.83	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	574595	515.54	ug/l	100
59) 2-Hexanone	9.51	43	1220917	588.71	ug/l	99
60) Dibromochloromethane	9.59	129	182253	107.97	ug/l	99
61) 1,2-Dibromoethane	9.68	107	167886	104.23	ug/l	99
64) Tetrachloroethene	9.34	164	149372	95.81	ug/l	98
65) Chlorobenzene	10.15	112	429693	98.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	158937	101.29	ug/l	99
67) Ethyl Benzene	10.26	91	718597	99.07	ug/l	100
68) m/p-Xylenes	10.37	106	580644	201.07	ug/l	98
69) o-Xylene	10.71	106	281736	101.07	ug/l	100
70) Styrene	10.72	104	481129	102.40	ug/l	100
71) Bromoform	10.87	173	164188	111.67	ug/l #	100
73) Isopropylbenzene	11.03	105	759965	93.63	ug/l	99
74) N-amyl acetate	6.48	43	363400	89.02	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.28	83	274591	99.28	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	285093m	117.42	ug/l	
77) Bromobenzene	11.27	156	210649	95.75	ug/l	99
78) n-propylbenzene	11.37	91	885114	93.81	ug/l	100
79) 2-Chlorotoluene	11.43	91	512336	94.09	ug/l	100
80) 1,3,5-Trimethylbenzene	11.52	105	651009	95.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	101909	105.25	ug/l	98
82) 4-Chlorotoluene	11.52	91	623275	95.72	ug/l	99
83) tert-Butylbenzene	11.78	119	648091	94.45	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	679266	97.25	ug/l	99
85) sec-Butylbenzene	11.96	105	802965	94.89	ug/l	100
86) p-Isopropyltoluene	12.07	119	727246	95.37	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	400851	96.51	ug/l	100
88) 1,4-Dichlorobenzene	12.11	146	410891	96.56	ug/l	100
89) n-Butylbenzene	12.40	91	680321	95.79	ug/l	100
90) Hexachloroethane	12.61	117	128862	97.26	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	396285	97.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	79279	99.10	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	299712	96.39	ug/l	100
94) Hexachlorobutadiene	13.79	225	134318	93.11	ug/l	98
95) Naphthalene	13.85	128	1019094	99.93	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	297149	98.05	ug/l	99

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

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