

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX020918\
 Data File : VX000046.D
 Acq On : 09 Feb 2018 16:31
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 2/14/2018 5:29:36 PM

Quant Time: Feb 09 22:45:56 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 09 22:29:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	148774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	225389	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	217136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	125248	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.09	65	72271	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	
35) Dibromofluoromethane	5.52	113	67402	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	8.73	98	238646	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.15	95	99273	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	63743	47.13	ug/l	100
3) Chloromethane	1.32	50	65993	47.01	ug/l	100
4) Vinyl Chloride	1.41	62	75795	48.00	ug/l	100
5) Bromomethane	1.64	94	37532	31.15	ug/l	100
6) Chloroethane	1.72	64	45248	48.48	ug/l	100
7) Trichlorofluoromethane	1.93	101	129413	47.34	ug/l	100
8) Diethyl Ether	2.20	74	45779	48.09	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71516	46.94	ug/l	100
10) Methyl Iodide	2.51	142	91973	51.79	ug/l	100
11) Tert butyl alcohol	3.09	59	138444	201.16	ug/l	100
12) 1,1-Dichloroethene	2.38	96	68159	46.27	ug/l	100
13) Acrolein	2.30	56	75088	178.77	ug/l	100
14) Allyl chloride	2.73	41	115749	45.05	ug/l	100
15) Acrylonitrile	3.16	53	246799	221.97	ug/l	100
16) Acetone	2.46	43	195694	151.53	ug/l	100
17) Carbon Disulfide	2.57	76	200743	48.10	ug/l	100
18) Methyl Acetate	2.79	43	109558	43.75	ug/l	100
19) Methyl tert-butyl Ether	3.22	73	236829	48.07	ug/l	100
20) Methylene Chloride	2.86	84	73111	46.91	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	73417	46.91	ug/l	100
22) Diisopropyl ether	3.89	45	192345	42.54	ug/l	100
23) Vinyl Acetate	3.84	43	891049	228.16	ug/l	100
24) 1,1-Dichloroethane	3.70	63	122941	46.18	ug/l	100
25) 2-Butanone	4.73	43	311926	195.67	ug/l	100
26) 2,2-Dichloropropane	4.59	77	105223	46.59	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	73378	48.06	ug/l	100
28) Bromochloromethane	5.03	49	39610	44.87	ug/l	100
29) Tetrahydrofuran	5.19	42	215965	218.32	ug/l	100
30) Chloroform	5.23	83	125028	48.94	ug/l	100
31) Cyclohexane	5.59	56	100355	47.92	ug/l	100
32) 1,1,1-Trichloroethane	5.51	97	117401	47.97	ug/l	100
36) 1,1-Dichloropropene	5.81	75	94303	50.85	ug/l	100
37) Ethyl Acetate	4.88	43	118463	46.19	ug/l	100
38) Carbon Tetrachloride	5.79	117	109783	56.15	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	116168	49.19	ug/l	100
40) Benzene	6.15	78	274710	50.51	ug/l	100
41) Methacrylonitrile	5.08	41	61275	45.86	ug/l	100
42) 1,2-Dichloroethane	6.21	62	97995	50.38	ug/l	100
43) Isopropyl Acetate	6.48	43	182786	48.45	ug/l	100
44) Trichloroethene	7.22	130	85440	49.76	ug/l	100
45) 1,2-Dichloropropane	7.53	63	67414	49.75	ug/l	100
46) Dibromomethane	7.67	93	52519	49.78	ug/l	100
47) Bromodichloromethane	7.91	83	101333	51.40	ug/l	100
48) Methyl methacrylate	7.79	41	89835	48.24	ug/l	100
49) 1,4-Dioxane	7.78	88	47772	892.75	ug/l	100
51) 4-Methyl-2-Pentanone	8.67	43	654361	242.75	ug/l	100
52) Toluene	8.79	92	187137	51.33	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	118926	51.71	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	119858	53.44	ug/l	100
55) 1,1,2-Trichloroethane	9.23	97	77184	50.56	ug/l	100
56) Ethyl methacrylate	9.20	69	123006	51.85	ug/l	100
57) 1,3-Dichloropropane	9.38	76	121762	50.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	294407	278.89	ug/l	100
59) 2-Hexanone	9.51	43	536493	232.55	ug/l	100
60) Dibromochloromethane	9.59	129	92670	53.76	ug/l	100
61) 1,2-Dibromoethane	9.68	107	88515	52.62	ug/l	100
64) Tetrachloroethene	9.35	164	80173	48.66	ug/l	100
65) Chlorobenzene	10.15	112	222148	50.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	82565	51.53	ug/l	100
67) Ethyl Benzene	10.26	91	368783	50.18	ug/l	100
68) m/p-Xylenes	10.37	106	294827	101.37	ug/l	100
69) o-Xylene	10.71	106	143960	50.94	ug/l	100
70) Styrene	10.72	104	244127	51.99	ug/l	100
71) Bromoform	10.87	173	81831	54.22	ug/l #	100
73) Isopropylbenzene	11.03	105	387253	50.17	ug/l	100
74) N-amyl acetate	6.48	43	182786	47.38	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.28	83	132549	50.19	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	115659m	48.34	ug/l	
77) Bromobenzene	11.27	156	106708	51.88	ug/l	100
78) n-propylbenzene	11.37	91	444794	49.64	ug/l	100
79) 2-Chlorotoluene	11.43	91	260888	51.24	ug/l	100
80) 1,3,5-Trimethylbenzene	11.52	105	327658	50.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	48627	56.27	ug/l	100
82) 4-Chlorotoluene	11.52	91	308764	50.06	ug/l	100
83) tert-Butylbenzene	11.78	119	330609	50.33	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	334889	49.98	ug/l	100
85) sec-Butylbenzene	11.96	105	404224	50.10	ug/l	100
86) p-Isopropyltoluene	12.07	119	363327	49.97	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	199294	49.92	ug/l	100
88) 1,4-Dichlorobenzene	12.11	146	203210	50.15	ug/l	100
89) n-Butylbenzene	12.40	91	336425	49.54	ug/l	100
90) Hexachloroethane	12.60	117	64130	54.83	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	196550	50.47	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	36320	46.78	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	146967	48.90	ug/l	100
94) Hexachlorobutadiene	13.79	225	71718	52.12	ug/l	100
95) Naphthalene	13.85	128	482667	47.80	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	144599	49.11	ug/l	100

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

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