

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050218\
 Data File : VX001331.D
 Acq On : 02 May 2018 22:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/3/2018 12:21:20 PM

Quant Time: May 03 06:28:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:48:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	162153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	217165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	212166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	144966	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	109523	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	5.51	113	94153	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	8.72	98	346955	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.15	95	131533	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	93026	51.86	ug/l	97
3) Chloromethane	1.32	50	89614	50.89	ug/l	98
4) Vinyl Chloride	1.40	62	96315	51.96	ug/l	98
5) Bromomethane	1.64	94	67262	48.62	ug/l	99
6) Chloroethane	1.71	64	66061	56.37	ug/l	99
7) Trichlorofluoromethane	1.92	101	170114	54.37	ug/l	100
8) Diethyl Ether	2.19	74	59376	55.27	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	93957	52.08	ug/l	98
10) Methyl Iodide	2.51	142	136672	67.82	ug/l	100
11) Tert butyl alcohol	3.09	59	131542	340.63	ug/l	99
12) 1,1-Dichloroethene	2.37	96	86824	53.38	ug/l	96
13) Acrolein	2.30	56	46381	208.59	ug/l	100
14) Allyl chloride	2.73	41	153115	53.80	ug/l	99
15) Acrylonitrile	3.16	53	276684	309.13	ug/l	100
16) Acetone	2.45	43	264280	275.83	ug/l	100
17) Carbon Disulfide	2.57	76	202922	47.89	ug/l	98
18) Methyl Acetate	2.79	43	149122	65.90	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	307633	55.53	ug/l	98
20) Methylene Chloride	2.86	84	96922	56.26	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	91850	51.88	ug/l	98
22) Diisopropyl ether	3.89	45	312078	56.94	ug/l	98
23) Vinyl Acetate	3.84	43	1369514	294.87	ug/l	100
24) 1,1-Dichloroethane	3.70	63	173739	56.91	ug/l	100
25) 2-Butanone	4.73	43	368301	284.29	ug/l	99
26) 2,2-Dichloropropane	4.59	77	84035	33.82	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	95334	49.00	ug/l	99
28) Bromochloromethane	5.03	49	76360	55.64	ug/l	97
29) Tetrahydrofuran	5.18	42	238628	299.50	ug/l	99
30) Chloroform	5.22	83	168318	52.16	ug/l	98
31) Cyclohexane	5.58	56	129341	46.91	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	145431	51.56	ug/l	100
36) 1,1-Dichloropropene	5.81	75	117480	46.87	ug/l	99
37) Ethyl Acetate	4.89	43	140795	55.63	ug/l	100
38) Carbon Tetrachloride	5.79	117	132028	50.28	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	134540	45.39	ug/l	98
40) Benzene	6.15	78	361551	50.14	ug/l	99
41) Methacrylonitrile	5.08	41	77434	52.53	ug/l	99
42) 1,2-Dichloroethane	6.21	62	137980	49.43	ug/l	99
43) Isopropyl Acetate	6.48	43	221316	54.01	ug/l	99
44) Trichloroethene	7.22	130	109288	49.52	ug/l	97
45) 1,2-Dichloropropane	7.52	63	91435	49.38	ug/l	98
46) Dibromomethane	7.67	93	65695	50.62	ug/l	99
47) Bromodichloromethane	7.91	83	121761	52.47	ug/l	95
48) Methyl methacrylate	7.79	41	118015	54.18	ug/l	99
49) 1,4-Dioxane	7.77	88	53387	1298.83	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	780098	295.32	ug/l	99
52) Toluene	8.79	92	239358	50.79	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	135700	49.17	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	127219	50.11	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	99240	52.13	ug/l	97
56) Ethyl methacrylate	9.19	69	148753	56.39	ug/l	98
57) 1,3-Dichloropropane	9.38	76	159893	52.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	357385	280.81	ug/l	100
59) 2-Hexanone	9.51	43	615272	298.01	ug/l	100
60) Dibromochloromethane	9.59	129	110073	55.42	ug/l	98
61) 1,2-Dibromoethane	9.68	107	108644	53.84	ug/l	99
64) Tetrachloroethene	9.34	164	132936	52.89	ug/l	95
65) Chlorobenzene	10.15	112	283440	49.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	104910	52.38	ug/l	99
67) Ethyl Benzene	10.26	91	467553	49.17	ug/l	99
68) m/p-Xylenes	10.37	106	372268	99.50	ug/l	99
69) o-Xylene	10.71	106	183532	50.58	ug/l	99
70) Styrene	10.72	104	303384	51.12	ug/l	99
71) Bromoform	10.87	173	91903	47.70	ug/l	99
73) Isopropylbenzene	11.02	105	489119	50.43	ug/l	100
74) N-amyl acetate	6.48	43	221316	53.20	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	153998	53.00	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	145894m	54.43	ug/l	
77) Bromobenzene	11.26	156	143094	51.16	ug/l	99
78) n-propylbenzene	11.37	91	542411	50.33	ug/l	100
79) 2-Chlorotoluene	11.43	91	332868	51.18	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	423575	52.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	35377	43.54	ug/l	96
82) 4-Chlorotoluene	11.52	91	392099	50.13	ug/l	100
83) tert-Butylbenzene	11.77	119	416971	51.34	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	434334	52.04	ug/l	100
85) sec-Butylbenzene	11.95	105	500084	51.47	ug/l	100
86) p-Isopropyltoluene	12.07	119	457492	51.33	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	253415	48.52	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	260087	48.30	ug/l	100
89) n-Butylbenzene	12.40	91	377545	48.53	ug/l	100
90) Hexachloroethane	12.60	117	68629	53.17	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	264257	50.84	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	36530	62.21	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	194172	46.44	ug/l	99
94) Hexachlorobutadiene	13.79	225	101899	46.58	ug/l	100
95) Naphthalene	13.84	128	577446	54.43	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	203839	49.66	ug/l	100

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

