

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000751.D
 Acq On : 10 Apr 2018 15:02
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/11/2018 11:20:43 AM

Quant Time: Apr 10 15:45:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 10:32:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	373319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	353730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	315332	98.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.26%	
35) Dibromofluoromethane	5.51	113	274473	113.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.50%	
50) Toluene-d8	8.73	98	1000835	109.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.88%	
62) 4-Bromofluorobenzene	11.15	95	406858	107.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	310958	123.48	ug/l	99
3) Chloromethane	1.32	50	248372	110.67	ug/l	96
4) Vinyl Chloride	1.41	62	297723	130.85	ug/l	99
5) Bromomethane	1.64	94	118184	78.14	ug/l	98
6) Chloroethane	1.71	64	178852	128.10	ug/l	99
7) Trichlorofluoromethane	1.93	101	441277	118.43	ug/l	100
8) Diethyl Ether	2.19	74	163962	114.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	255895	117.27	ug/l	98
10) Methyl Iodide	2.51	142	233105	107.11	ug/l	96
11) Tert butyl alcohol	3.09	59	294889	542.01	ug/l	100
12) 1,1-Dichloroethene	2.37	96	243532	124.30	ug/l	98
13) Acrolein	2.30	56	154236	647.73	ug/l	100
14) Allyl chloride	2.73	41	449713	113.53	ug/l	97
15) Acrylonitrile	3.15	53	650254	570.25	ug/l	99
16) Acetone	2.45	43	564319	562.68	ug/l	99
17) Carbon Disulfide	2.57	76	735368	144.13	ug/l	99
18) Methyl Acetate	2.78	43	306824	103.04	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	824523	113.18	ug/l	100
20) Methylene Chloride	2.86	84	260846	86.99	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	263380	125.73	ug/l	98
22) Diisopropyl ether	3.88	45	877360	113.03	ug/l	97
23) Vinyl Acetate	3.83	43	3836219	583.62	ug/l	100
24) 1,1-Dichloroethane	3.70	63	462844	113.91	ug/l	98
25) 2-Butanone	4.71	43	974489	555.39	ug/l	97
26) 2,2-Dichloropropane	4.59	77	456965	110.50	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	310856	116.07	ug/l	97
28) Bromochloromethane	5.03	49	178300	97.31	ug/l	95
29) Tetrahydrofuran	5.17	42	614185	550.07	ug/l	98
30) Chloroform	5.23	83	502300	113.71	ug/l	100
31) Cyclohexane	5.58	56	439636	121.50	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	479376	113.87	ug/l	99
36) 1,1-Dichloropropene	5.81	75	388349	121.46	ug/l	99
37) Ethyl Acetate	4.87	43	390099	113.03	ug/l	99
38) Carbon Tetrachloride	5.79	117	447706	119.50	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	469441	124.90	ug/l	96
40) Benzene	6.15	78	1103421	122.69	ug/l	99
41) Methacrylonitrile	5.07	41	223336	111.70	ug/l	98
42) 1,2-Dichloroethane	6.21	62	405784	114.39	ug/l	99
43) Isopropyl Acetate	6.48	43	670843	111.62	ug/l	99
44) Trichloroethene	7.22	130	340633	124.64	ug/l	98
45) 1,2-Dichloropropane	7.52	63	282773	117.26	ug/l	98
46) Dibromomethane	7.67	93	196034	117.13	ug/l	96
47) Bromodichloromethane	7.91	83	404488	116.80	ug/l	99
48) Methyl methacrylate	7.79	41	346685	114.65	ug/l	97
49) 1,4-Dioxane	7.77	88	135311	2254.66	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	1991822	572.02	ug/l	100
52) Toluene	8.79	92	729167	121.61	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	488249	118.49	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	475704	116.25	ug/l	97
55) 1,1,2-Trichloroethane	9.23	97	289285	118.61	ug/l	99
56) Ethyl methacrylate	9.19	69	455196	117.04	ug/l	97
57) 1,3-Dichloropropane	9.38	76	468868	117.52	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	1092687	599.91	ug/l	99
59) 2-Hexanone	9.51	43	1543776	580.90	ug/l	97
60) Dibromochloromethane	9.59	129	364860	119.94	ug/l	100
61) 1,2-Dibromoethane	9.68	107	313242	119.60	ug/l	99
64) Tetrachloroethene	9.34	164	335143	120.85	ug/l	99
65) Chlorobenzene	10.15	112	862535	118.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	334020	117.49	ug/l	99
67) Ethyl Benzene	10.26	91	1433972	117.41	ug/l	99
68) m/p-Xylenes	10.37	106	1145493	239.74	ug/l	98
69) o-Xylene	10.71	106	553230	117.99	ug/l	98
70) Styrene	10.72	104	937135	118.30	ug/l	99
71) Bromoform	10.87	173	329389	122.37	ug/l #	99
73) Isopropylbenzene	11.02	105	1484660	101.93	ug/l	100
74) N-amyl acetate	6.48	43	670843	94.64	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	442234	102.15	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	407737m	98.36	ug/l	
77) Bromobenzene	11.26	156	435961	105.54	ug/l	96
78) n-propylbenzene	11.37	91	1677087	100.35	ug/l	99
79) 2-Chlorotoluene	11.43	91	991601	99.48	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1283751	101.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	157808	99.11	ug/l	95
82) 4-Chlorotoluene	11.52	91	1198190	100.33	ug/l	99
83) tert-Butylbenzene	11.78	119	1326804	102.59	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	1319033	100.97	ug/l	99
85) sec-Butylbenzene	11.95	105	1548444	102.31	ug/l	100
86) p-Isopropyltoluene	12.07	119	1434964	101.41	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	803729	103.84	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	818846	103.21	ug/l	99
89) n-Butylbenzene	12.40	91	1261462	99.80	ug/l	99
90) Hexachloroethane	12.60	117	258006	100.42	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	790536	104.64	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	110283	96.92	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	672663	104.63	ug/l	100
94) Hexachlorobutadiene	13.79	225	326556	103.16	ug/l	99
95) Naphthalene	13.84	128	1743965	103.61	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	652885	105.27	ug/l	99

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

