

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000319.D
 Acq On : 14 Mar 2018 17:41
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

sam
 3/15/2018 3:37:08 PM

Quant Time: Mar 15 03:20:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X031418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 01:30:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	137348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	228919	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	245546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	157389	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	183565	125.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	251.12%	
35) Dibromofluoromethane	5.51	113	143890	99.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.24%	
50) Toluene-d8	8.73	98	640044	114.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.80%	
62) 4-Bromofluorobenzene	11.15	95	259063	110.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	220.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	138708	117.80	ug/l	97
3) Chloromethane	1.32	50	130477	101.78	ug/l	97
4) Vinyl Chloride	1.41	62	153069	114.61	ug/l	98
5) Bromomethane	1.64	94	188979	166.71	ug/l	97
6) Chloroethane	1.72	64	111189	149.02	ug/l	99
7) Trichlorofluoromethane	1.93	101	279582	124.70	ug/l	99
8) Diethyl Ether	2.20	74	96143	125.43	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	147364	114.99	ug/l	98
10) Methyl Iodide	2.51	142	174827	106.61	ug/l	98
11) Tert butyl alcohol	3.09	59	300811	570.50	ug/l	100
12) 1,1-Dichloroethene	2.37	96	138780	121.39	ug/l	96
13) Acrolein	2.30	56	133090	461.05	ug/l	98
14) Allyl chloride	2.73	41	249981	115.42	ug/l	100
15) Acrylonitrile	3.16	53	565707	626.65	ug/l	99
16) Acetone	2.45	43	610897	553.88	ug/l	100
17) Carbon Disulfide	2.57	76	419016	115.51	ug/l	99
18) Methyl Acetate	2.78	43	263263	119.29	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	506278	124.85	ug/l	99
20) Methylene Chloride	2.86	84	150322	115.76	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	157010	123.38	ug/l	99
22) Diisopropyl ether	3.88	45	415353	112.82	ug/l	98
23) Vinyl Acetate	3.84	43	1997546	611.38	ug/l	99
24) 1,1-Dichloroethane	3.70	63	254857	120.05	ug/l	99
25) 2-Butanone	4.72	43	749863	510.44	ug/l	99
26) 2,2-Dichloropropane	4.59	77	193235	103.26	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	138270	104.74	ug/l	99
28) Bromochloromethane	5.03	49	112444	112.39	ug/l	99
29) Tetrahydrofuran	5.18	42	488270	541.78	ug/l	99
30) Chloroform	5.23	83	261853	117.49	ug/l	99
31) Cyclohexane	5.59	56	205546	106.01	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	236660	114.25	ug/l	99
36) 1,1-Dichloropropene	5.81	75	196391	96.79	ug/l	100
37) Ethyl Acetate	4.88	43	268255	94.92	ug/l	100
38) Carbon Tetrachloride	5.79	117	207179	93.55	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	236198	92.45	ug/l	98
40) Benzene	6.15	78	574539	99.83	ug/l	98
41) Methacrylonitrile	5.07	41	137759	92.73	ug/l	98
42) 1,2-Dichloroethane	6.21	62	221739	106.18	ug/l	99
43) Isopropyl Acetate	6.48	43	414439	98.74	ug/l	99
44) Trichloroethene	7.22	130	159080	87.53	ug/l	99
45) 1,2-Dichloropropane	7.53	63	144058	97.25	ug/l	98
46) Dibromomethane	7.67	93	111669	101.06	ug/l	98
47) Bromodichloromethane	7.91	83	213500	102.08	ug/l	98
48) Methyl methacrylate	7.79	41	204285	98.34	ug/l	99
49) 1,4-Dioxane	7.77	88	93767	1788.24	ug/l	99
51) 4-Methyl-2-Pentanone	8.67	43	1645184	552.35	ug/l	99
52) Toluene	8.79	92	425023	110.31	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	253985	101.72	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	262173	107.21	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	170798	107.02	ug/l	98
56) Ethyl methacrylate	9.19	69	277225	108.73	ug/l	97
57) 1,3-Dichloropropane	9.38	76	267082	105.34	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	534227	449.74	ug/l	100
59) 2-Hexanone	9.51	43	1396387	545.69	ug/l	98
60) Dibromochloromethane	9.59	129	200860	107.44	ug/l	99
61) 1,2-Dibromoethane	9.68	107	194836	111.00	ug/l	99
64) Tetrachloroethene	9.34	164	158639	76.70	ug/l	99
65) Chlorobenzene	10.15	112	497758	96.30	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	174714	91.98	ug/l	99
67) Ethyl Benzene	10.26	91	838710	97.78	ug/l	99
68) m/p-Xylenes	10.37	106	699034	206.11	ug/l	96
69) o-Xylene	10.71	106	330650	100.97	ug/l	99
70) Styrene	10.72	104	584117	106.26	ug/l	97
71) Bromoform	10.87	173	171086	85.47	ug/l #	98
73) Isopropylbenzene	11.02	105	916590	96.79	ug/l	99
74) N-amyl acetate	6.48	43	414439	82.87	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	332313	99.69	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	290510m	71.80	ug/l	
77) Bromobenzene	11.26	156	236569	87.80	ug/l	98
78) n-propylbenzene	11.37	91	1078595	96.75	ug/l	99
79) 2-Chlorotoluene	11.43	91	616130	96.02	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	784606	96.95	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	108381	92.87	ug/l	94
82) 4-Chlorotoluene	11.52	91	749897	96.35	ug/l	97
83) tert-Butylbenzene	11.78	119	787167	95.30	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	815103	96.87	ug/l	99
85) sec-Butylbenzene	11.96	105	958148	95.91	ug/l	100
86) p-Isopropyltoluene	12.07	119	875592	94.11	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	475819	91.78	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	490048	90.60	ug/l	97
89) n-Butylbenzene	12.40	91	815160	94.71	ug/l	99
90) Hexachloroethane	12.60	117	146141	97.79	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	470719	93.73	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	91265	88.83	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	330383	76.23	ug/l	99
94) Hexachlorobutadiene	13.79	225	123694	53.91	ug/l	98
95) Naphthalene	13.85	128	1191195	93.66	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	330422	78.54	ug/l	100

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

