

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031418\
 Data File : VX000316.D
 Acq On : 14 Mar 2018 16:25
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

sam
 3/15/2018 3:36:55 PM

Quant Time: Mar 15 02:34:55 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	5.68	168	105655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	174930	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	171625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	91862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	6964	6.19	ug/l	0.00
Spiked Amount			Recovery	=	12.38%	
35) Dibromofluoromethane	5.51	113	4927	4.44	ug/l	0.00
Spiked Amount			Recovery	=	8.88%	
50) Toluene-d8	8.73	98	20119	4.73	ug/l	0.00
Spiked Amount			Recovery	=	9.46%	
62) 4-Bromofluorobenzene	11.15	95	7478	4.17	ug/l	0.00
Spiked Amount			Recovery	=	8.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	5647	6.23	ug/l	95
3) Chloromethane	1.32	50	6316	6.40	ug/l	97
4) Vinyl Chloride	1.41	62	6671	6.49	ug/l	90
5) Bromomethane	1.64	94	8847	10.15	ug/l	92
6) Chloroethane	1.73	64	4643	8.09	ug/l	99
7) Trichlorofluoromethane	1.93	101	11674	6.77	ug/l	97
8) Diethyl Ether	2.20	74	3910	6.63	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.39	101	6028	6.11	ug/l	97
10) Methyl Iodide	2.52	142	4668	3.70	ug/l	94
11) Tert butyl alcohol	3.07	59	11911	29.37	ug/l	100
12) 1,1-Dichloroethene	2.38	96	5835	6.63	ug/l	91
13) Acrolein	2.30	56	5438	24.49	ug/l	97
14) Allyl chloride	2.73	41	10305	6.19	ug/l	98
15) Acrylonitrile	3.15	53	22370	32.21	ug/l	96
16) Acetone	2.45	43	22852	26.93	ug/l	96
17) Carbon Disulfide	2.57	76	16491	5.91	ug/l	96
18) Methyl Acetate	2.78	43	11067	6.52	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	20386	6.54	ug/l #	90
20) Methylene Chloride	2.86	84	6297	6.30	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	6392	6.53	ug/l	97
22) Diisopropyl ether	3.88	45	19503	6.89	ug/l	93
23) Vinyl Acetate	3.83	43	88674	35.28	ug/l	99
24) 1,1-Dichloroethane	3.71	63	11221	6.87	ug/l	97
25) 2-Butanone	4.72	43	28316	25.06	ug/l	95
26) 2,2-Dichloropropane	4.60	77	7431	5.16	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	6007	5.92	ug/l	90
28) Bromochloromethane	5.03	49	3946	5.13	ug/l	96
29) Tetrahydrofuran	5.18	42	17471	25.20	ug/l	99
30) Chloroform	5.23	83	9373	5.47	ug/l #	83
31) Cyclohexane	5.58	56	8256	5.54	ug/l #	82
32) 1,1,1-Trichloroethane	5.50	97	8085	5.07	ug/l	93
36) 1,1-Dichloropropene	5.82	75	8153	5.26	ug/l	98
37) Ethyl Acetate	4.87	43	10547	4.88	ug/l	99
38) Carbon Tetrachloride	5.79	117	7285	4.30	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.47	83	9051	4.64	ug/l #	92
40) Benzene	6.15	78	20103	4.57	ug/l #	77
41) Methacrylonitrile	5.07	41	5318	4.68	ug/l	98
42) 1,2-Dichloroethane	6.21	62	8430	5.28	ug/l	100
43) Isopropyl Acetate	6.48	43	13833	4.31	ug/l	98
44) Trichloroethene	7.22	130	6484	4.67	ug/l	95
45) 1,2-Dichloropropane	7.52	63	4959	4.38	ug/l	91
46) Dibromomethane	7.67	93	4226	5.00	ug/l	100
47) Bromodichloromethane	7.90	83	7177	4.49	ug/l	93
48) Methyl methacrylate	7.79	41	7032	4.43	ug/l	95
49) 1,4-Dioxane	7.77	88	3094	77.22	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	53025	23.30	ug/l	99
52) Toluene	8.79	92	14478	4.92	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	7751	4.06	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	7194	3.85	ug/l	92
55) 1,1,2-Trichloroethane	9.23	97	5559	4.56	ug/l	89
56) Ethyl methacrylate	9.19	69	7571	3.89	ug/l	91
57) 1,3-Dichloropropane	9.38	76	9904	5.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	15483	17.06	ug/l	97
59) 2-Hexanone	9.51	43	43650	22.32	ug/l	98
60) Dibromochloromethane	9.59	129	5207	3.64	ug/l	93
61) 1,2-Dibromoethane	9.68	107	6001	4.47	ug/l	99
64) Tetrachloroethene	9.34	164	6081	4.21	ug/l	95
65) Chlorobenzene	10.15	112	16077	4.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	5475	4.12	ug/l	98
67) Ethyl Benzene	10.26	91	28183	4.70	ug/l	98
68) m/p-Xylenes	10.37	106	20947	8.84	ug/l	100
69) o-Xylene	10.71	106	10343	4.52	ug/l	94
70) Styrene	10.72	104	15835	4.12	ug/l	98
71) Bromoform	10.87	173	3881	2.77	ug/l #	94
73) Isopropylbenzene	11.02	105	27209	4.92	ug/l	98
74) N-amyl acetate	6.48	43	13833	4.74	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	9331	4.80	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	8875m	3.76	ug/l	
77) Bromobenzene	11.26	156	7316	4.65	ug/l	97
78) n-propylbenzene	11.37	91	32936	5.06	ug/l	97
79) 2-Chlorotoluene	11.43	91	18642	4.98	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	22864	4.84	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	2259	3.32	ug/l #	80
82) 4-Chlorotoluene	11.52	91	23230	5.11	ug/l	99
83) tert-Butylbenzene	11.78	119	21676	4.50	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	22765	4.64	ug/l	98
85) sec-Butylbenzene	11.95	105	28538	4.89	ug/l	99
86) p-Isopropyltoluene	12.07	119	24092	4.44	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	14115	4.66	ug/l	95
88) 1,4-Dichlorobenzene	12.11	146	14606	4.63	ug/l	94
89) n-Butylbenzene	12.40	91	23715	4.72	ug/l	99
90) Hexachloroethane	12.61	117	3450	3.96	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	13168	4.49	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	2436	4.06	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	9673	3.82	ug/l	99
94) Hexachlorobutadiene	13.79	225	4207	3.14	ug/l	87
95) Naphthalene	13.84	128	32020	4.31	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	9664	3.94	ug/l	98

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

