

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032318\
 Data File : VX000424.D
 Acq On : 23 Mar 2018 12:36
 Operator : JC/MD
 Sample : VX0323WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0323WBS01

Manual Integrations
 APPROVED

sam
 3/26/2018 2:36:19 PM

Quant Time: Mar 24 06:06:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	131924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	206358	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	208438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	113829	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	83307	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
35) Dibromofluoromethane	5.51	113	64874	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	8.72	98	265706	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.15	95	96835	43.47	ug/l	0.00
Spiked Amount			Recovery	=	86.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	28486	19.59	ug/l	100
3) Chloromethane	1.32	50	26425	17.25	ug/l	93
4) Vinyl Chloride	1.41	62	32662	20.18	ug/l	96
5) Bromomethane	1.64	94	22647	11.72	ug/l	99
6) Chloroethane	1.73	64	21509	23.40	ug/l	96
7) Trichlorofluoromethane	1.93	101	57115	19.55	ug/l	98
8) Diethyl Ether	2.19	74	20501	19.64	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	34063	20.91	ug/l	98
10) Methyl Iodide	2.52	142	19112	15.10	ug/l	100
11) Tert butyl alcohol	3.06	59	70632	119.24	ug/l	97
12) 1,1-Dichloroethene	2.38	96	28338	19.82	ug/l	98
13) Acrolein	2.30	56	17627	102.34	ug/l	98
14) Allyl chloride	2.73	41	53898	21.28	ug/l	98
15) Acrylonitrile	3.15	53	129181	107.67	ug/l	99
16) Acetone	2.45	43	166562	116.27	ug/l	96
17) Carbon Disulfide	2.57	76	71878	18.91	ug/l	96
18) Methyl Acetate	2.78	43	66169	22.03	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	106421	20.12	ug/l	96
20) Methylene Chloride	2.86	84	33052	19.98	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	30666	19.23	ug/l	97
22) Diisopropyl ether	3.88	45	100875	22.57	ug/l	97
23) Vinyl Acetate	3.83	43	484129	114.25	ug/l	98
24) 1,1-Dichloroethane	3.71	63	59184	21.06	ug/l	99
25) 2-Butanone	4.71	43	178347	110.76	ug/l	99
26) 2,2-Dichloropropane	4.59	77	40417	20.52	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	29936	20.08	ug/l	98
28) Bromochloromethane	5.03	49	22243	19.19	ug/l	99
29) Tetrahydrofuran	5.17	42	106596	107.60	ug/l	100
30) Chloroform	5.23	83	54124	20.55	ug/l	93
31) Cyclohexane	5.58	56	41110	18.92	ug/l	91
32) 1,1,1-Trichloroethane	5.51	97	46622	19.62	ug/l	97
36) 1,1-Dichloropropene	5.81	75	39146	20.25	ug/l	99
37) Ethyl Acetate	4.87	43	54764	20.74	ug/l	99
38) Carbon Tetrachloride	5.79	117	40141	19.79	ug/l	99

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39) Methylcyclohexane	7.47	83	46987	19.99	ug/l	91
40) Benzene	6.15	78	114100	20.33	ug/l	96
41) Methacrylonitrile	5.06	41	28298	20.33	ug/l	95
42) 1,2-Dichloroethane	6.20	62	45926	20.85	ug/l	98
43) Isopropyl Acetate	6.48	43	78513	19.98	ug/l	98
44) Trichloroethene	7.22	130	32951	20.49	ug/l	93
45) 1,2-Dichloropropane	7.52	63	30402	21.16	ug/l	98
46) Dibromomethane	7.67	93	23152	20.53	ug/l	98
47) Bromodichloromethane	7.91	83	41375	20.85	ug/l	98
48) Methyl methacrylate	7.79	41	40331	21.14	ug/l	97
49) 1,4-Dioxane	7.76	88	18338	457.21	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	332958	109.45	ug/l	97
52) Toluene	8.79	92	78927	20.11	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	46557	20.25	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	44272	19.85	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	33516	20.77	ug/l	98
56) Ethyl methacrylate	9.19	69	48105	19.67	ug/l	98
57) 1,3-Dichloropropane	9.38	76	54056	20.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	83134	70.83	ug/l	99
59) 2-Hexanone	9.51	43	286834	111.04	ug/l	98
60) Dibromochloromethane	9.59	129	33244	20.09	ug/l	94
61) 1,2-Dibromoethane	9.68	107	35698	20.63	ug/l	98
64) Tetrachloroethene	9.34	164	33806	20.90	ug/l	93
65) Chlorobenzene	10.15	112	93680	20.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	31474	19.98	ug/l	99
67) Ethyl Benzene	10.26	91	159574	20.29	ug/l	98
68) m/p-Xylenes	10.37	106	124805	40.33	ug/l	98
69) o-Xylene	10.71	106	60112	20.06	ug/l	97
70) Styrene	10.72	104	97439	19.66	ug/l	98
71) Bromoform	10.87	173	25585	18.87	ug/l #	98
73) Isopropylbenzene	11.02	105	168252	22.31	ug/l	98
74) N-amyl acetate	6.48	43	78513	22.04	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	59150	22.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	54297m	22.20	ug/l	
77) Bromobenzene	11.26	156	41288	20.55	ug/l	99
78) n-propylbenzene	11.37	91	193028	21.46	ug/l	99
79) 2-Chlorotoluene	11.43	91	110280	21.23	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	132979	20.97	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.09	75	15714	20.80	ug/l	93
82) 4-Chlorotoluene	11.52	91	131468	21.19	ug/l	100
83) tert-Butylbenzene	11.78	119	134732	21.07	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	144467	21.73	ug/l	98
85) sec-Butylbenzene	11.96	105	172558	21.81	ug/l	98
86) p-Isopropyltoluene	12.07	119	149803	21.31	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	79029	20.80	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	79479	19.93	ug/l	96
89) n-Butylbenzene	12.40	91	135207	20.66	ug/l	98
90) Hexachloroethane	12.60	117	23923	21.63	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	77401	20.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16903	22.72	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	54582	20.44	ug/l	98
94) Hexachlorobutadiene	13.79	225	25407	22.98	ug/l	96
95) Naphthalene	13.84	128	197843	21.27	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	56879	21.56	ug/l	98

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

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