

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030818\
 Data File : VX000229.D
 Acq On : 08 Mar 2018 19:19
 Operator : JC/MD
 Sample : VX0308WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0308WBS02

Manual Integrations
 APPROVED

apatel
 3/9/2018 9:38:33 AM

Quant Time: Mar 09 04:32:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	128631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	220911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	222701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	127118	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	88697	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	5.52	113	67577	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	8.73	98	273545	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	11.15	95	104825	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28029	20.00	ug/l	97
3) Chloromethane	1.32	50	29387	21.48	ug/l	98
4) Vinyl Chloride	1.41	62	35724	22.40	ug/l	94
5) Bromomethane	1.64	94	29809	17.27	ug/l	100
6) Chloroethane	1.73	64	22869	22.74	ug/l	98
7) Trichlorofluoromethane	1.93	101	59406	22.45	ug/l	100
8) Diethyl Ether	2.20	74	21447	22.09	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32032	21.68	ug/l	99
10) Methyl Iodide	2.52	142	26893	19.39	ug/l	98
11) Tert butyl alcohol	3.08	59	75791	115.68	ug/l	99
12) 1,1-Dichloroethene	2.38	96	30395	22.40	ug/l	95
13) Acrolein	2.30	56	41856	121.51	ug/l	97
14) Allyl chloride	2.73	41	55742	22.24	ug/l	99
15) Acrylonitrile	3.16	53	132507	116.21	ug/l	99
16) Acetone	2.45	43	147489	115.18	ug/l	100
17) Carbon Disulfide	2.57	76	78980	21.25	ug/l	98
18) Methyl Acetate	2.79	43	62848	23.05	ug/l	98
19) Methyl tert-butyl Ether	3.22	73	111458	23.07	ug/l	96
20) Methylene Chloride	2.87	84	32803	21.48	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	32717	21.93	ug/l	95
22) Diisopropyl ether	3.89	45	82611	19.20	ug/l	94
23) Vinyl Acetate	3.84	43	396489	95.59	ug/l	100
24) 1,1-Dichloroethane	3.70	63	57378	21.75	ug/l	97
25) 2-Butanone	4.72	43	172624	109.23	ug/l	95
26) 2,2-Dichloropropane	4.59	77	40115	20.80	ug/l	99
27) cis-1,2-Dichloroethene	4.62	96	29865	21.11	ug/l	99
28) Bromochloromethane	5.03	49	24796	22.11	ug/l	100
29) Tetrahydrofuran	5.18	42	109061	109.88	ug/l	100
30) Chloroform	5.23	83	53141	20.83	ug/l	99
31) Cyclohexane	5.59	56	41630	21.34	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	46180	20.88	ug/l	95
36) 1,1-Dichloropropene	5.81	75	39220	19.95	ug/l	99
37) Ethyl Acetate	4.88	43	59482	20.94	ug/l	100
38) Carbon Tetrachloride	5.79	117	39264	19.74	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	46718	19.37	ug/l	99
40) Benzene	6.16	78	115460	20.37	ug/l	97
41) Methacrylonitrile	5.08	41	29660	20.48	ug/l	98
42) 1,2-Dichloroethane	6.21	62	45675	20.54	ug/l	99
43) Isopropyl Acetate	6.48	43	85395	20.79	ug/l	99
44) Trichloroethene	7.22	130	32775	20.20	ug/l	98
45) 1,2-Dichloropropane	7.53	63	29607	20.62	ug/l #	89
46) Dibromomethane	7.67	93	23154	20.38	ug/l	97
47) Bromodichloromethane	7.91	83	41805	20.92	ug/l	98
48) Methyl methacrylate	7.79	41	41588	20.56	ug/l	98
49) 1,4-Dioxane	7.77	88	19307	420.41	ug/l	100
51) 4-Methyl-2-Pentanone	8.66	43	332541	107.27	ug/l	98
52) Toluene	8.79	92	78603	20.23	ug/l	97
53) t-1,3-Dichloropropene	8.45	75	47292	20.08	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	48940	21.48	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	33007	20.97	ug/l	100
56) Ethyl methacrylate	9.19	69	51901	22.04	ug/l	99
57) 1,3-Dichloropropane	9.38	76	54808	20.74	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	122780	103.26	ug/l	100
59) 2-Hexanone	9.51	43	282954	107.05	ug/l	100
60) Dibromochloromethane	9.59	129	33906	20.43	ug/l	99
61) 1,2-Dibromoethane	9.68	107	36751	21.03	ug/l	97
64) Tetrachloroethene	9.34	164	30323	19.46	ug/l	97
65) Chlorobenzene	10.15	112	95846	21.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	31661	20.59	ug/l	98
67) Ethyl Benzene	10.26	91	159969	20.38	ug/l	100
68) m/p-Xylenes	10.37	106	124550	41.23	ug/l	99
69) o-Xylene	10.71	106	60048	20.68	ug/l	97
70) Styrene	10.72	104	98957	20.54	ug/l	98
71) Bromoform	10.87	173	25939	18.62	ug/l #	100
73) Isopropylbenzene	11.02	105	165149	20.75	ug/l	99
74) N-amyl acetate	6.48	43	85395	20.97	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	60468	21.67	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	54290m	21.31	ug/l	
77) Bromobenzene	11.26	156	41505	20.17	ug/l	96
78) n-propylbenzene	11.37	91	194003	20.71	ug/l	98
79) 2-Chlorotoluene	11.43	91	109400	20.70	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	140654	21.17	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	14893	17.90	ug/l	88
82) 4-Chlorotoluene	11.52	91	134531	20.94	ug/l	98
83) tert-Butylbenzene	11.78	119	137875	21.32	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	146148	21.39	ug/l	98
85) sec-Butylbenzene	11.96	105	172202	21.06	ug/l	99
86) p-Isopropyltoluene	12.07	119	151216	20.97	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	79681	20.37	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	84286	20.56	ug/l	97
89) n-Butylbenzene	12.40	91	145612	20.96	ug/l	98
90) Hexachloroethane	12.60	117	23046	19.83	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	80951	20.90	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17354	22.15	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	58155	20.64	ug/l	99
94) Hexachlorobutadiene	13.79	225	23162	19.75	ug/l	97
95) Naphthalene	13.84	128	210982	21.46	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	57399	20.59	ug/l	98

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

