

Data Path : W:\HPCHEM1\MSVOA X\Data\VX040218\
 Data File : VX000643.D
 Acq On : 02 Apr 2018 16:15
 Operator : JC/MD
 Sample : VX0402WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0402WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/4/2018 5:09:38 PM

Quant Time: Apr 03 03:00:32 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	5.68	168	139261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	227502	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	241228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	148439	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	80960	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
35) Dibromofluoromethane	5.51	113	65065	45.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.78%	
50) Toluene-d8	8.73	98	266534	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	
62) 4-Bromofluorobenzene	11.15	95	107533	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	23616	15.39	ug/l	98
3) Chloromethane	1.32	50	24046	14.87	ug/l	96
4) Vinyl Chloride	1.40	62	30341	17.76	ug/l	99
5) Bromomethane	1.64	94	28635	14.03	ug/l	98
6) Chloroethane	1.73	64	22072	22.71	ug/l	96
7) Trichlorofluoromethane	1.93	101	62225	20.18	ug/l	95
8) Diethyl Ether	2.19	74	21792	19.77	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	32860	19.11	ug/l	97
10) Methyl Iodide	2.51	142	11433	10.41	ug/l	99
11) Tert butyl alcohol	3.07	59	62934	100.65	ug/l	100
12) 1,1-Dichloroethene	2.38	96	28914	19.16	ug/l	96
13) Acrolein	2.30	56	26757	140.78	ug/l	100
14) Allyl chloride	2.73	41	51620	19.30	ug/l	97
15) Acrylonitrile	3.15	53	123429	97.46	ug/l	99
16) Acetone	2.45	43	148037	97.89	ug/l	96
17) Carbon Disulfide	2.57	76	68531	17.08	ug/l	99
18) Methyl Acetate	2.78	43	62923	19.85	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	110101	19.72	ug/l	97
20) Methylene Chloride	2.86	84	37093	21.24	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	31454	18.68	ug/l	97
22) Diisopropyl ether	3.88	45	74898	15.87	ug/l	97
23) Vinyl Acetate	3.83	43	349766	78.19	ug/l	100
24) 1,1-Dichloroethane	3.70	63	54177	18.26	ug/l	98
25) 2-Butanone	4.71	43	147070	86.52	ug/l	99
26) 2,2-Dichloropropane	4.59	77	35758	17.20	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	26972	17.14	ug/l	98
28) Bromochloromethane	5.03	49	23655	19.34	ug/l #	97
29) Tetrahydrofuran	5.17	42	91152	87.16	ug/l	98
30) Chloroform	5.23	83	50368	18.12	ug/l	100
31) Cyclohexane	5.59	56	37900	16.53	ug/l	92
32) 1,1,1-Trichloroethane	5.51	97	43754	17.44	ug/l	99
36) 1,1-Dichloropropene	5.81	75	36396	17.08	ug/l	99
37) Ethyl Acetate	4.87	43	49605	17.04	ug/l	99
38) Carbon Tetrachloride	5.79	117	37011	16.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	41368	15.96	ug/l	97
40) Benzene	6.15	78	108650	17.56	ug/l	98
41) Methacrylonitrile	5.07	41	25527	16.63	ug/l	97
42) 1,2-Dichloroethane	6.21	62	43851	18.06	ug/l	99
43) Isopropyl Acetate	6.48	43	74618	17.22	ug/l	99
44) Trichloroethene	7.22	130	31255	17.63	ug/l	98
45) 1,2-Dichloropropane	7.52	63	28486	17.98	ug/l	99
46) Dibromomethane	7.67	93	21891	17.61	ug/l	97
47) Bromodichloromethane	7.91	83	40866	18.68	ug/l	94
48) Methyl methacrylate	7.79	41	37560	17.85	ug/l	98
49) 1,4-Dioxane	7.76	88	17045	385.48	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	304019	90.65	ug/l	100
52) Toluene	8.79	92	77340	17.88	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	46234	18.24	ug/l	94
54) cis-1,3-Dichloropropene	9.05	75	45386	18.46	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	33922	19.07	ug/l	98
56) Ethyl methacrylate	9.19	69	48381	17.95	ug/l	98
57) 1,3-Dichloropropane	9.38	76	54534	19.16	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	91947	71.06	ug/l	100
59) 2-Hexanone	9.51	43	261359	91.77	ug/l	100
60) Dibromochloromethane	9.59	129	33621	18.77	ug/l	98
61) 1,2-Dibromoethane	9.68	107	36234	18.99	ug/l	100
64) Tetrachloroethene	9.34	164	30286	16.18	ug/l	95
65) Chlorobenzene	10.15	112	95654	17.82	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	32292	17.71	ug/l	99
67) Ethyl Benzene	10.26	91	159135	17.49	ug/l	100
68) m/p-Xylenes	10.37	106	124771	34.84	ug/l	100
69) o-Xylene	10.71	106	60830	17.54	ug/l	99
70) Styrene	10.72	104	102915	17.94	ug/l	98
71) Bromoform	10.87	173	26943	17.60	ug/l #	97
73) Isopropylbenzene	11.02	105	170356	17.32	ug/l	99
74) N-amyl acetate	6.48	43	74618	15.11	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	62243	17.89	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	55723m	17.47	ug/l	
77) Bromobenzene	11.26	156	43194	16.49	ug/l	99
78) n-propylbenzene	11.37	91	205778	17.55	ug/l	99
79) 2-Chlorotoluene	11.43	91	114273	16.87	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	145108	17.55	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	15883	16.12	ug/l	92
82) 4-Chlorotoluene	11.52	91	143243	17.71	ug/l	99
83) tert-Butylbenzene	11.78	119	147736	17.71	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	152682	17.61	ug/l	99
85) sec-Butylbenzene	11.95	105	180515	17.49	ug/l	99
86) p-Isopropyltoluene	12.07	119	165811	18.09	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	86534	17.47	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	91605	17.61	ug/l	97
89) n-Butylbenzene	12.40	91	157869	18.50	ug/l	99
90) Hexachloroethane	12.60	117	24639	17.08	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	88090	18.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	16230	16.73	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	64549	18.54	ug/l	97
94) Hexachlorobutadiene	13.79	225	24816	17.21	ug/l	99
95) Naphthalene	13.84	128	221369	18.25	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	63374	18.42	ug/l	100

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

