

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041918\
 Data File : VX000993.D
 Acq On : 19 Apr 2018 17:13
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/20/2018 2:09:28 PM

Quant Time: Apr 20 04:58:28 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 04:18:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	358567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	232031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	4245	1.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.48%	
35) Dibromofluoromethane	5.52	113	3038	1.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.42%	
50) Toluene-d8	8.72	98	11595	1.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.56%	
62) 4-Bromofluorobenzene	11.14	95	5047	1.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	2998	1.16	ug/l	97
3) Chloromethane	1.32	50	3318	1.24	ug/l	98
4) Vinyl Chloride	1.41	62	3431	1.32	ug/l	94
5) Bromomethane	1.65	94	2587	1.51	ug/l	87
6) Chloroethane	1.73	64	2220	1.22	ug/l	92
7) Trichlorofluoromethane	1.93	101	5370	1.37	ug/l	94
8) Diethyl Ether	2.19	74	2040	1.36	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3279	1.40	ug/l	94
12) 1,1-Dichloroethene	2.38	96	3012	1.34	ug/l	90
14) Allyl chloride	2.73	41	5307	1.27	ug/l	99
15) Acrylonitrile	3.15	53	8229	6.97	ug/l	95
16) Acetone	2.45	43	8035	7.19	ug/l	96
17) Carbon Disulfide	2.57	76	8802	1.26	ug/l	98
18) Methyl Acetate	2.78	43	3944	1.36	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	9900	1.36	ug/l	100
20) Methylene Chloride	2.86	84	3924	1.50	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	3524	1.39	ug/l	98
22) Diisopropyl ether	3.87	45	9724	1.22	ug/l #	98
23) Vinyl Acetate	3.82	43	40957	6.28	ug/l	100
24) 1,1-Dichloroethane	3.71	63	6010	1.40	ug/l	93
25) 2-Butanone	4.70	43	11329	6.59	ug/l	99
26) 2,2-Dichloropropane	4.59	77	4856	1.29	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	3607	1.32	ug/l	95
28) Bromochloromethane	5.03	49	2044	1.13	ug/l #	92
29) Tetrahydrofuran	5.17	42	7259	6.62	ug/l	99
30) Chloroform	5.23	83	5907	1.33	ug/l	89
31) Cyclohexane	5.58	56	5770	1.48	ug/l	88
32) 1,1,1-Trichloroethane	5.49	97	4977	1.26	ug/l #	50
36) 1,1-Dichloropropene	5.81	75	5028	1.47	ug/l	94
37) Ethyl Acetate	4.87	43	4054	1.27	ug/l #	92
38) Carbon Tetrachloride	5.79	117	4680	1.32	ug/l	85
39) Methylcyclohexane	7.47	83	5522	1.35	ug/l	93
40) Benzene	6.15	78	12826	1.35	ug/l	94
41) Methacrylonitrile	5.06	41	3047	1.53	ug/l #	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.21	62	5179	1.40	ug/l	98
43) Isopropyl Acetate	6.48	43	7224	1.34	ug/l	99
44) Trichloroethene	7.21	130	4023	1.34	ug/l	94
45) 1,2-Dichloropropane	7.52	63	3235	1.31	ug/l #	88
46) Dibromomethane	7.67	93	2300	1.35	ug/l	92
47) Bromodichloromethane	7.90	83	3735	1.18	ug/l	99
48) Methyl methacrylate	7.79	41	3921	1.30	ug/l	91
49) 1,4-Dioxane	7.76	88	1167	28.34	ug/l #	73
51) 4-Methyl-2-Pentanone	8.65	43	20956	6.42	ug/l	99
52) Toluene	8.79	92	8074	1.29	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	4234	1.11	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	3865	1.07	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	3404	1.40	ug/l #	86
56) Ethyl methacrylate	9.19	69	4450	1.21	ug/l	93
57) 1,3-Dichloropropane	9.38	76	5714	1.42	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	11283	6.71	ug/l	99
59) 2-Hexanone	9.51	43	16109	6.43	ug/l	98
60) Dibromochloromethane	9.59	129	2823	1.05	ug/l	97
61) 1,2-Dibromoethane	9.68	107	3383	1.29	ug/l	97
64) Tetrachloroethene	9.34	164	4223	1.42	ug/l	89
65) Chlorobenzene	10.14	112	10211	1.38	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	2997	1.17	ug/l #	67
67) Ethyl Benzene	10.26	91	16614	1.37	ug/l	99
68) m/p-Xylenes	10.37	106	12800	2.67	ug/l	99
69) o-Xylene	10.71	106	6267	1.34	ug/l	100
70) Styrene	10.72	104	9595	1.24	ug/l	98
71) Bromoform	10.87	173	2177	0.99	ug/l #	98
73) Isopropylbenzene	11.02	105	16656	1.31	ug/l	100
74) N-amyl acetate	6.48	43	7224	1.36	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	4324	1.20	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	4234m	1.07	ug/l	
77) Bromobenzene	11.26	156	4928	1.32	ug/l	97
78) n-propylbenzene	11.37	91	19611	1.33	ug/l	99
79) 2-Chlorotoluene	11.43	91	11568	1.33	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	13552	1.25	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	959	0.95	ug/l	83
82) 4-Chlorotoluene	11.52	91	14322	1.36	ug/l	98
83) tert-Butylbenzene	11.77	119	13467	1.21	ug/l	92
84) 1,2,4-Trimethylbenzene	11.81	105	14033	1.27	ug/l	99
85) sec-Butylbenzene	11.95	105	16876	1.26	ug/l	99
86) p-Isopropyltoluene	12.07	119	15526	1.26	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	9247	1.32	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	9944m	1.40	ug/l	
89) n-Butylbenzene	12.39	91	13816	1.24	ug/l	99
90) Hexachloroethane	12.60	117	1764	0.99	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	8784	1.30	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	824	1.10	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	7553	1.26	ug/l	99
94) Hexachlorobutadiene	13.79	225	3579	1.35	ug/l	98
95) Naphthalene	13.84	128	16769	1.20	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	7333	1.31	ug/l	95

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

