

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000747.D
 Acq On : 10 Apr 2018 12:44
 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
 4/11/2018 11:20:40 AM

Quant Time: Apr 10 15:19:45 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:11:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	317906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	410269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	259289	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	5043	1.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.60%	
35) Dibromofluoromethane	5.51	113	3477	1.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.20%	
50) Toluene-d8	8.72	98	13734	1.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.40%	
62) 4-Bromofluorobenzene	11.14	95	5907	1.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	3589	0.97	ug/l	97
3) Chloromethane	1.32	50	3454	1.11	ug/l	94
4) Vinyl Chloride	1.40	62	3644	1.04	ug/l	100
5) Bromomethane	1.65	94	2151	1.48	ug/l	98
6) Chloroethane	1.73	64	2260	1.11	ug/l	93
7) Trichlorofluoromethane	1.93	101	5452	1.04	ug/l	99
8) Diethyl Ether	2.19	74	2210	1.16	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	3374	1.11	ug/l	# 95
12) 1,1-Dichloroethene	2.38	96	3202	1.11	ug/l	95
14) Allyl chloride	2.73	41	6109	1.14	ug/l	93
15) Acrylonitrile	3.15	53	7915	5.11	ug/l	98
16) Acetone	2.45	43	8238	5.96	ug/l	97
17) Carbon Disulfide	2.57	76	10320	1.20	ug/l	99
18) Methyl Acetate	2.78	43	3788	1.04	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	10053	1.02	ug/l	99
20) Methylene Chloride	2.86	84	3879	1.26	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	3896	1.24	ug/l	95
22) Diisopropyl ether	3.87	45	10092	1.02	ug/l	99
23) Vinyl Acetate	3.82	43	42987	4.95	ug/l	99
24) 1,1-Dichloroethane	3.70	63	6066	1.10	ug/l	# 91
25) 2-Butanone	4.71	43	11739	5.01	ug/l	100
26) 2,2-Dichloropropane	4.59	77	6249	1.14	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	3846	1.05	ug/l	99
28) Bromochloromethane	5.02	49	2647	1.23	ug/l	# 93
29) Tetrahydrofuran	5.17	42	7688	5.21	ug/l	99
30) Chloroform	5.22	83	6111	1.03	ug/l	94
31) Cyclohexane	5.59	56	6051	1.17	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	5979	1.05	ug/l	# 50
36) 1,1-Dichloropropene	5.81	75	5243	1.20	ug/l	94
37) Ethyl Acetate	4.87	43	4713	1.07	ug/l	97
38) Carbon Tetrachloride	5.79	117	5614	1.12	ug/l	96
39) Methylcyclohexane	7.46	83	6147	1.18	ug/l	99
40) Benzene	6.15	78	13612	1.10	ug/l	96
41) Methacrylonitrile	5.07	41	2779	1.09	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	5056	1.09	ug/l	88
43) Isopropyl Acetate	6.47	43	8125	1.08	ug/l	99
44) Trichloroethene	7.23	130	4317	1.12	ug/l	97
45) 1,2-Dichloropropane	7.53	63	3307	1.03	ug/l	97
46) Dibromomethane	7.67	93	2444	1.11	ug/l	90
47) Bromodichloromethane	7.91	83	4580	1.01	ug/l	97
48) Methyl methacrylate	7.78	41	4162	1.06	ug/l	96
49) 1,4-Dioxane	7.77	88	1761	22.32	ug/l #	87
51) 4-Methyl-2-Pentanone	8.65	43	22325	4.98	ug/l	100
52) Toluene	8.79	92	9034	1.10	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	5482	1.01	ug/l	90
54) cis-1,3-Dichloropropene	9.05	75	5295	0.99	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	3703	1.15	ug/l	90
56) Ethyl methacrylate	9.19	69	5256	1.03	ug/l	96
57) 1,3-Dichloropropane	9.38	76	5387	1.02	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	10304	4.22	ug/l	98
59) 2-Hexanone	9.51	43	16894	4.86	ug/l	100
60) Dibromochloromethane	9.59	129	3873	0.96	ug/l	98
61) 1,2-Dibromoethane	9.68	107	3721	1.06	ug/l	97
64) Tetrachloroethene	9.34	164	4070	1.10	ug/l	97
65) Chlorobenzene	10.15	112	10342	1.07	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	3666	1.00	ug/l #	66
67) Ethyl Benzene	10.26	91	17317	1.08	ug/l	98
68) m/p-Xylenes	10.37	106	13524	2.13	ug/l	99
69) o-Xylene	10.71	106	6273	1.02	ug/l	93
70) Styrene	10.72	104	10630	1.02	ug/l	98
71) Bromoform	10.86	173	2951	0.84	ug/l #	95
73) Isopropylbenzene	11.02	105	17444	1.06	ug/l	100
74) N-amyl acetate	6.47	43	8125	1.09	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	5071	1.06	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	4572m	1.01	ug/l	
77) Bromobenzene	11.26	156	5334	1.12	ug/l	95
78) n-propylbenzene	11.37	91	20737	1.11	ug/l	99
79) 2-Chlorotoluene	11.43	91	12449	1.12	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	15286	1.08	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	1584	0.96	ug/l	86
82) 4-Chlorotoluene	11.52	91	14823	1.12	ug/l	97
83) tert-Butylbenzene	11.78	119	14636	1.00	ug/l	92
84) 1,2,4-Trimethylbenzene	11.82	105	15744	1.08	ug/l	96
85) sec-Butylbenzene	11.95	105	18321	1.07	ug/l	99
86) p-Isopropyltoluene	12.07	119	16938	1.06	ug/l	92
87) 1,3-Dichlorobenzene	12.03	146	9952	1.13	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	10315m	1.15	ug/l	
89) n-Butylbenzene	12.40	91	15365	1.09	ug/l	99
90) Hexachloroethane	12.60	117	2646	0.95	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	9110	1.06	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1260	1.06	ug/l	86
93) 1,2,4-Trichlorobenzene	13.65	180	8118	1.11	ug/l	99
94) Hexachlorobutadiene	13.79	225	3929	1.10	ug/l	98
95) Naphthalene	13.84	128	19592	1.02	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.03	180	7593	1.07	ug/l	97

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

