

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
 Data File : VX001270.D
 Acq On : 01 May 2018 11:02
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:50 PM

Quant Time: May 02 01:25:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 02 01:17:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	200212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	259802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	238114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	3427	1.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.24%	
35) Dibromofluoromethane	5.51	113	2594	1.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.40%	
50) Toluene-d8	8.72	98	7757	0.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.90%	
62) 4-Bromofluorobenzene	11.14	95	3238	1.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	2070	0.96	ug/l	96
3) Chloromethane	1.32	50	2519	1.14	ug/l	99
4) Vinyl Chloride	1.40	62	2607	1.11	ug/l	99
5) Bromomethane	1.65	94	2576	1.56	ug/l	90
6) Chloroethane	1.73	64	1610	1.10	ug/l #	81
7) Trichlorofluoromethane	1.93	101	4170	1.09	ug/l	99
8) Diethyl Ether	2.19	74	1376	0.96	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2577	1.22	ug/l	98
12) 1,1-Dichloroethene	2.38	96	2349	1.16	ug/l	90
14) Allyl chloride	2.73	41	3546	0.97	ug/l #	87
15) Acrylonitrile	3.14	53	6213	4.86	ug/l	98
16) Acetone	2.44	43	6716	5.30	ug/l	98
17) Carbon Disulfide	2.57	76	6672	1.29	ug/l	98
18) Methyl Acetate	2.78	43	3055	0.98	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	7288	0.99	ug/l #	88
20) Methylene Chloride	2.85	84	3987	1.68	ug/l #	84
21) trans-1,2-Dichloroethene	3.17	96	2655	1.19	ug/l	98
22) Diisopropyl ether	3.87	45	7397	1.02	ug/l	93
23) Vinyl Acetate	3.82	43	29410	4.78	ug/l	99
24) 1,1-Dichloroethane	3.70	63	4498	1.16	ug/l	97
25) 2-Butanone	4.70	43	8759	4.70	ug/l	92
26) 2,2-Dichloropropane	4.59	77	3276	1.07	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	2851	1.17	ug/l	99
28) Bromochloromethane	5.02	49	1622	0.93	ug/l #	98
29) Tetrahydrofuran	5.17	42	5477	4.59	ug/l	99
30) Chloroform	5.22	83	4562	1.11	ug/l	84
31) Cyclohexane	5.57	56	3974	1.20	ug/l	89
32) 1,1,1-Trichloroethane	5.50	97	3588	1.01	ug/l #	50
36) 1,1-Dichloropropene	5.79	75	3672	1.27	ug/l	99
37) Ethyl Acetate	4.86	43	3541	1.05	ug/l #	88
38) Carbon Tetrachloride	5.79	117	3483	1.17	ug/l #	94
39) Methylcyclohexane	7.46	83	4033	1.24	ug/l #	85
40) Benzene	6.14	78	9877	1.19	ug/l	99
41) Methacrylonitrile	5.06	41	2170	1.15	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	3977	1.20	ug/l	100
43) Isopropyl Acetate	6.47	43	5081	0.96	ug/l	99
44) Trichloroethene	7.22	130	3109	1.25	ug/l	98
45) 1,2-Dichloropropane	7.52	63	2514	1.15	ug/l	93
46) Dibromomethane	7.67	93	1744	1.16	ug/l	96
47) Bromodichloromethane	7.90	83	2719	0.99	ug/l #	98
48) Methyl methacrylate	7.78	41	2772	0.98	ug/l	94
49) 1,4-Dioxane	7.76	88	1072	19.19	ug/l #	89
51) 4-Methyl-2-Pentanone	8.65	43	14825	4.26	ug/l	99
52) Toluene	8.79	92	5918	1.09	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	3288	1.03	ug/l	89
54) cis-1,3-Dichloropropene	9.04	75	2645	0.89	ug/l #	87
55) 1,1,2-Trichloroethane	9.22	97	2346	1.02	ug/l #	89
56) Ethyl methacrylate	9.18	69	2722	0.81	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	3863	1.04	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	7135	4.46	ug/l	98
59) 2-Hexanone	9.50	43	11248	4.11	ug/l	98
60) Dibromochloromethane	9.59	129	2138	0.92	ug/l	96
61) 1,2-Dibromoethane	9.68	107	2492	1.04	ug/l	97
64) Tetrachloroethene	9.34	164	3420	1.32	ug/l	96
65) Chlorobenzene	10.14	112	7401	1.18	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	2088	0.96	ug/l #	67
67) Ethyl Benzene	10.26	91	11729	1.15	ug/l	98
68) m/p-Xylenes	10.36	106	8880	2.19	ug/l	95
69) o-Xylene	10.70	106	4312	1.10	ug/l	97
70) Styrene	10.71	104	6721	1.03	ug/l	99
71) Bromoform	10.87	173	1682	0.89	ug/l #	99
73) Isopropylbenzene	11.02	105	11472	1.16	ug/l	99
74) N-amyl acetate	6.47	43	5081	1.04	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	3453	1.07	ug/l	92
76) 1,2,3-Trichloropropane	11.30	75	2962m	0.98	ug/l	
77) Bromobenzene	11.26	156	3272	1.12	ug/l	95
78) n-propylbenzene	11.37	91	11809	1.07	ug/l	98
79) 2-Chlorotoluene	11.43	91	7523	1.10	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	8723	1.04	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	574	0.75	ug/l #	75
82) 4-Chlorotoluene	11.52	91	8893	1.09	ug/l	99
83) tert-Butylbenzene	11.77	119	8513	1.02	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	8824	1.02	ug/l	96
85) sec-Butylbenzene	11.95	105	10404	1.06	ug/l	98
86) p-Isopropyltoluene	12.07	119	9279	1.02	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	6660	1.27	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	7037m	1.28	ug/l	
89) n-Butylbenzene	12.40	91	8203	1.04	ug/l	97
90) Hexachloroethane	12.60	117	1115	0.86	ug/l	88
91) 1,2-Dichlorobenzene	12.40	146	6299	1.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	561	0.79	ug/l	91
93) 1,2,4-Trichlorobenzene	13.65	180	5605	1.34	ug/l	96
94) Hexachlorobutadiene	13.79	225	2970	1.48	ug/l	97
95) Naphthalene	13.84	128	12340	1.07	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	5184	1.25	ug/l	99

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

