

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001713.D
 Acq On : 14 May 2018 16:57
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:04 AM

Quant Time: May 15 01:32:32 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:02:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	347726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	451329	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	258933	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	5403	1.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.20%	
35) Dibromofluoromethane	5.51	113	4265	1.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.16%	
50) Toluene-d8	8.72	98	13370	0.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.84%	
62) 4-Bromofluorobenzene	11.14	95	5133	0.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	3727	0.84	ug/l	96
3) Chloromethane	1.32	50	4380	0.99	ug/l	98
4) Vinyl Chloride	1.40	62	4414	0.95	ug/l	92
5) Bromomethane	1.65	94	3118	1.15	ug/l	96
6) Chloroethane	1.73	64	2809	0.92	ug/l	97
7) Trichlorofluoromethane	1.94	101	6598	0.95	ug/l	95
8) Diethyl Ether	2.19	74	2554	0.93	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4145	1.01	ug/l	99
12) 1,1-Dichloroethene	2.38	96	3941	1.05	ug/l	98
14) Allyl chloride	2.73	41	6958	0.99	ug/l	96
15) Acrylonitrile	3.15	53	10819	4.64	ug/l	97
16) Acetone	2.45	43	10582	4.81	ug/l	100
17) Carbon Disulfide	2.57	76	11228	1.17	ug/l	98
18) Methyl Acetate	2.78	43	5278	0.89	ug/l #	88
19) Methyl tert-butyl Ether	3.20	73	12209	0.93	ug/l	95
20) Methylene Chloride	2.86	84	4748	1.08	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	4700	1.11	ug/l	93
22) Diisopropyl ether	3.87	45	13129	0.99	ug/l #	86
23) Vinyl Acetate	3.83	43	50024	4.69	ug/l	98
24) 1,1-Dichloroethane	3.70	63	7545	1.03	ug/l	95
25) 2-Butanone	4.71	43	13688	4.26	ug/l	97
26) 2,2-Dichloropropane	4.59	77	5881	1.03	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	5014	1.10	ug/l	99
28) Bromochloromethane	5.02	49	3145	0.97	ug/l #	97
29) Tetrahydrofuran	5.17	42	9216	4.47	ug/l	97
30) Chloroform	5.22	83	7556	0.99	ug/l	93
31) Cyclohexane	5.58	56	6040	0.95	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	6107	0.92	ug/l #	51
36) 1,1-Dichloropropene	5.80	75	6059	1.07	ug/l	96
37) Ethyl Acetate	4.87	43	5560	0.90	ug/l	99
38) Carbon Tetrachloride	5.78	117	5793	0.97	ug/l	85
39) Methylcyclohexane	7.46	83	6315	0.94	ug/l	98
40) Benzene	6.15	78	16354	0.99	ug/l	98
41) Methacrylonitrile	5.06	41	3279	0.93	ug/l	92

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	5898	0.94	ug/l	99
43) Isopropyl Acetate	6.47	43	7976	0.84	ug/l	99
44) Trichloroethene	7.21	130	5320	1.05	ug/l	88
45) 1,2-Dichloropropane	7.52	63	3822	0.93	ug/l	89
46) Dibromomethane	7.67	93	2894	1.00	ug/l	96
47) Bromodichloromethane	7.90	83	4752	0.88	ug/l	93
48) Methyl methacrylate	7.79	41	4081	0.79	ug/l	97
49) 1,4-Dioxane	7.76	88	1537	14.16	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	22606	3.61	ug/l	99
52) Toluene	8.79	92	9624	0.89	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	5026	0.82	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	4604	0.84	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	4076	0.95	ug/l	92
56) Ethyl methacrylate	9.18	69	4464	0.72	ug/l	93
57) 1,3-Dichloropropane	9.38	76	6683	0.94	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	11994	3.91	ug/l	93
59) 2-Hexanone	9.50	43	16191	3.42	ug/l	96
60) Dibromochloromethane	9.59	129	3516	0.80	ug/l	94
61) 1,2-Dibromoethane	9.68	107	3946	0.87	ug/l	99
64) Tetrachloroethene	9.34	164	5920	1.09	ug/l	96
65) Chlorobenzene	10.14	112	11939	1.04	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	3734	0.91	ug/l #	64
67) Ethyl Benzene	10.26	91	17722	0.94	ug/l	99
68) m/p-Xylenes	10.37	106	13443	1.81	ug/l	99
69) o-Xylene	10.70	106	6214	0.86	ug/l	95
70) Styrene	10.71	104	9783	0.84	ug/l	98
71) Bromoform	10.86	173	2550	0.76	ug/l #	96
73) Isopropylbenzene	11.02	105	16884	0.94	ug/l	100
74) N-amyl acetate	6.47	43	7976	0.97	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	5313	1.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	4767m	0.91	ug/l	
77) Bromobenzene	11.26	156	5305	1.02	ug/l	97
78) n-propylbenzene	11.37	91	19746	1.01	ug/l	97
79) 2-Chlorotoluene	11.43	91	11935	1.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	12844	0.86	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	1063	0.77	ug/l #	67
82) 4-Chlorotoluene	11.52	91	14068	1.02	ug/l	98
83) tert-Butylbenzene	11.77	119	13250	0.90	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	13336	0.87	ug/l	99
85) sec-Butylbenzene	11.95	105	16872	0.95	ug/l	99
86) p-Isopropyltoluene	12.07	119	15388	0.95	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	10288	1.10	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	11331m	1.19	ug/l	
89) n-Butylbenzene	12.40	91	14424	1.06	ug/l	98
90) Hexachloroethane	12.60	117	2149	0.87	ug/l	91
91) 1,2-Dichlorobenzene	12.40	146	10265	1.09	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	933	0.81	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	8341	1.19	ug/l	96
94) Hexachlorobutadiene	13.79	225	4575	1.20	ug/l	98
95) Naphthalene	13.84	128	18563	0.97	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	8545	1.20	ug/l	97

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

