

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050118\
 Data File : VX001271.D
 Acq On : 01 May 2018 11:28
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/2/2018 4:20:51 PM

Quant Time: May 02 01:27:59 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	189249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	256009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	237397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	155219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	12480	4.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.62%	
35) Dibromofluoromethane	5.51	113	9977	4.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.38%	
50) Toluene-d8	8.72	98	33979	4.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.44%	
62) 4-Bromofluorobenzene	11.14	95	13412	4.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	8743	4.28	ug/l	97
3) Chloromethane	1.32	50	9906	4.76	ug/l	96
4) Vinyl Chloride	1.40	62	10365	4.68	ug/l	96
5) Bromomethane	1.64	94	10368	6.63	ug/l	93
6) Chloroethane	1.72	64	6894	4.99	ug/l	94
7) Trichlorofluoromethane	1.93	101	17794	4.93	ug/l	94
8) Diethyl Ether	2.19	74	6555	4.84	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	10396	5.21	ug/l	99
10) Methyl Iodide	2.51	142	8382	4.53	ug/l	99
11) Tert butyl alcohol	3.07	59	12445	22.52	ug/l	96
12) 1,1-Dichloroethene	2.38	96	9476	4.94	ug/l	97
13) Acrolein	2.30	56	7733	34.06	ug/l	93
14) Allyl chloride	2.73	41	16819	4.87	ug/l	97
15) Acrylonitrile	3.15	53	26832	22.23	ug/l	99
16) Acetone	2.45	43	29142	24.31	ug/l	98
17) Carbon Disulfide	2.57	76	22112	4.53	ug/l	96
18) Methyl Acetate	2.78	43	13251	4.47	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	33117	4.76	ug/l	100
20) Methylene Chloride	2.86	84	12951	5.78	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	10230	4.85	ug/l	89
22) Diisopropyl ether	3.87	45	30728	4.47	ug/l	93
23) Vinyl Acetate	3.82	43	134029	23.06	ug/l	100
24) 1,1-Dichloroethane	3.70	63	18959	5.18	ug/l	97
25) 2-Butanone	4.71	43	39691	22.52	ug/l	96
26) 2,2-Dichloropropane	4.59	77	13546	4.68	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	11505	5.01	ug/l	99
28) Bromochloromethane	5.03	49	6762	4.12	ug/l	93
29) Tetrahydrofuran	5.17	42	23966	21.27	ug/l	98
30) Chloroform	5.22	83	18569	4.80	ug/l	97
31) Cyclohexane	5.57	56	16165	5.15	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	15871	4.73	ug/l	100
36) 1,1-Dichloropropene	5.81	75	14093	4.95	ug/l	100
37) Ethyl Acetate	4.87	43	14223	4.28	ug/l	97
38) Carbon Tetrachloride	5.79	117	14024	4.78	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	16105	5.04	ug/l	98
40) Benzene	6.15	78	41466	5.06	ug/l	92
41) Methacrylonitrile	5.07	41	8414	4.51	ug/l	96
42) 1,2-Dichloroethane	6.21	62	16324	4.99	ug/l #	76
43) Isopropyl Acetate	6.47	43	22756	4.34	ug/l	99
44) Trichloroethene	7.22	130	12674	5.16	ug/l	96
45) 1,2-Dichloropropane	7.52	63	10790	5.03	ug/l	99
46) Dibromomethane	7.67	93	7510	5.05	ug/l	96
47) Bromodichloromethane	7.90	83	12075	4.47	ug/l	99
48) Methyl methacrylate	7.79	41	12008	4.32	ug/l	98
49) 1,4-Dioxane	7.76	88	4553	82.73	ug/l #	95
51) 4-Methyl-2-Pentanone	8.65	43	74477	21.69	ug/l	100
52) Toluene	8.79	92	26898	5.01	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	13903	4.43	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	12422	4.22	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	11016	4.88	ug/l	97
56) Ethyl methacrylate	9.19	69	14043	4.24	ug/l	95
57) 1,3-Dichloropropane	9.38	76	17695	4.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	33605	21.32	ug/l	99
59) 2-Hexanone	9.50	43	57016	21.16	ug/l	100
60) Dibromochloromethane	9.59	129	9523	4.17	ug/l	99
61) 1,2-Dibromoethane	9.68	107	11198	4.74	ug/l	98
64) Tetrachloroethene	9.34	164	14430	5.57	ug/l	98
65) Chlorobenzene	10.14	112	32287	5.17	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	10553	4.88	ug/l	98
67) Ethyl Benzene	10.26	91	51341	5.03	ug/l	100
68) m/p-Xylenes	10.37	106	39467	9.78	ug/l	99
69) o-Xylene	10.70	106	19167	4.92	ug/l	99
70) Styrene	10.72	104	29870	4.61	ug/l	99
71) Bromoform	10.87	173	7422	3.96	ug/l #	98
73) Isopropylbenzene	11.02	105	51610	5.07	ug/l	100
74) N-amyl acetate	6.47	43	22756	4.55	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	15175	4.57	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	14676m	4.72	ug/l	
77) Bromobenzene	11.26	156	14910	4.96	ug/l	97
78) n-propylbenzene	11.37	91	57711	5.09	ug/l	100
79) 2-Chlorotoluene	11.43	91	35107	5.01	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	42786	4.96	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	2773	3.54	ug/l #	79
82) 4-Chlorotoluene	11.52	91	41559	4.98	ug/l	99
83) tert-Butylbenzene	11.77	119	42660	4.97	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	44824	5.07	ug/l	98
85) sec-Butylbenzene	11.95	105	51277	5.08	ug/l	100
86) p-Isopropyltoluene	12.07	119	45996	4.91	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	27307	5.06	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	28021	4.97	ug/l	95
89) n-Butylbenzene	12.39	91	37451	4.61	ug/l	99
90) Hexachloroethane	12.60	117	6017	4.52	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	28083	5.15	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	2797	3.86	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	20558	4.79	ug/l	99
94) Hexachlorobutadiene	13.79	225	11010	5.36	ug/l	97
95) Naphthalene	13.84	128	54391	4.60	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	21283	4.99	ug/l	99

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

