

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030718\
 Data File : VX000206.D
 Acq On : 07 Mar 2018 11:57
 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

apatel
 3/8/2018 10:42:06 AM

Quant Time: Mar 08 01:25:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 00:56:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	140563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	230325	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	224436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	117454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	1981	1.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.02%	
35) Dibromofluoromethane	5.51	113	1231	0.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.68%	
50) Toluene-d8	8.73	98	5248	0.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.72%	
62) 4-Bromofluorobenzene	11.15	95	2121	0.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1759	1.20	ug/l	87
3) Chloromethane	1.32	50	1710	1.20	ug/l	98
4) Vinyl Chloride	1.41	62	1745	1.04	ug/l	98
5) Bromomethane	1.65	94	2370	1.20	ug/l	99
6) Chloroethane	1.74	64	1544	1.34	ug/l #	76
7) Trichlorofluoromethane	1.93	101	2766	0.99	ug/l	94
8) Diethyl Ether	2.19	74	1192	1.17	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1658	1.07	ug/l	93
10) Methyl Iodide	2.53	142	979	0.70	ug/l #	88
11) Tert butyl alcohol	3.06	59	3828	5.69	ug/l #	81
12) 1,1-Dichloroethene	2.39	96	1423	1.00	ug/l	92
13) Acrolein	2.29	56	2196	6.06	ug/l	90
14) Allyl chloride	2.74	41	2978	1.13	ug/l	97
15) Acrylonitrile	3.15	53	6437	5.35	ug/l	97
16) Acetone	2.45	43	8123	6.06	ug/l	99
17) Carbon Disulfide	2.57	76	4083	1.04	ug/l #	90
18) Methyl Acetate	2.79	43	3453	1.21	ug/l	92
19) Methyl tert-butyl Ether	3.21	73	5593	1.10	ug/l	98
20) Methylene Chloride	2.86	84	1964	1.23	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	1691	1.08	ug/l #	74
22) Diisopropyl ether	3.87	45	5458	1.22	ug/l #	92
23) Vinyl Acetate	3.83	43	24262	5.63	ug/l	98
24) 1,1-Dichloroethane	3.71	63	3202	1.16	ug/l #	84
25) 2-Butanone	4.71	43	9589	5.77	ug/l	96
26) 2,2-Dichloropropane	4.60	77	2205	1.09	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	1770	1.19	ug/l	85
28) Bromochloromethane	5.03	49	1199	0.98	ug/l #	98
29) Tetrahydrofuran	5.18	42	5907	5.64	ug/l	92
30) Chloroform	5.22	83	2987	1.11	ug/l	90
31) Cyclohexane	5.57	56	1893	0.92	ug/l #	79
32) 1,1,1-Trichloroethane	5.51	97	2283	0.98	ug/l #	50
36) 1,1-Dichloropropene	5.81	75	2056	1.05	ug/l	90
37) Ethyl Acetate	4.87	43	3539	1.25	ug/l #	84
38) Carbon Tetrachloride	5.80	117	2116	1.06	ug/l #	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	2541	1.06	ug/l	88
40) Benzene	6.15	78	6009	1.06	ug/l #	85
41) Methacrylonitrile	5.07	41	1756m	1.22	ug/l	
42) 1,2-Dichloroethane	6.21	62	2322	1.04	ug/l	88
43) Isopropyl Acetate	6.48	43	4506	1.10	ug/l	96
44) Trichloroethene	7.22	130	1678	1.03	ug/l	90
45) 1,2-Dichloropropane	7.53	63	1424	0.99	ug/l	95
46) Dibromomethane	7.67	93	1273	1.12	ug/l	94
47) Bromodichloromethane	7.91	83	1887	0.94	ug/l #	72
48) Methyl methacrylate	7.79	41	2272	1.12	ug/l #	82
49) 1,4-Dioxane	7.77	88	906	19.45	ug/l #	84
51) 4-Methyl-2-Pentanone	8.66	43	15387	4.93	ug/l	100
52) Toluene	8.79	92	3752	0.96	ug/l	87
53) t-1,3-Dichloropropene	8.45	75	2304	0.97	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	2089	0.90	ug/l	89
55) 1,1,2-Trichloroethane	9.23	97	1506	0.95	ug/l	93
56) Ethyl methacrylate	9.19	69	2019	0.84	ug/l #	71
57) 1,3-Dichloropropane	9.38	76	2780	1.05	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	6226	5.03	ug/l	99
59) 2-Hexanone	9.51	43	13085	4.91	ug/l	92
60) Dibromochloromethane	9.59	129	1538	0.91	ug/l	92
61) 1,2-Dibromoethane	9.68	107	1664	0.94	ug/l	100
64) Tetrachloroethene	9.34	164	1554	1.04	ug/l	91
65) Chlorobenzene	10.15	112	4320	0.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	1528	1.02	ug/l #	61
67) Ethyl Benzene	10.26	91	7600	1.00	ug/l	94
68) m/p-Xylenes	10.37	106	5543	1.88	ug/l	96
69) o-Xylene	10.71	106	2591	0.91	ug/l	92
70) Styrene	10.72	104	4280	0.91	ug/l	98
71) Bromoform	10.87	173	1042	0.80	ug/l #	82
73) Isopropylbenzene	11.02	105	7642	1.09	ug/l	98
74) N-amyl acetate	6.48	43	4506	1.26	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	2570	1.04	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	2522m	1.12	ug/l	
77) Bromobenzene	11.26	156	2120	1.17	ug/l	96
78) n-propylbenzene	11.37	91	8780	1.06	ug/l	94
79) 2-Chlorotoluene	11.43	91	4889	1.05	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	6196	1.05	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.09	75	769	1.04	ug/l #	82
82) 4-Chlorotoluene	11.52	91	5865	1.03	ug/l	99
83) tert-Butylbenzene	11.77	119	5780	1.01	ug/l	96
84) 1,2,4-Trimethylbenzene	11.82	105	6081	1.00	ug/l	99
85) sec-Butylbenzene	11.96	105	7172	0.99	ug/l	98
86) p-Isopropyltoluene	12.07	119	6165	0.96	ug/l	93
87) 1,3-Dichlorobenzene	12.04	146	3612	1.04	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	4047m	1.11	ug/l	
89) n-Butylbenzene	12.40	91	6095	0.99	ug/l	98
90) Hexachloroethane	12.61	117	1004	0.97	ug/l	87
91) 1,2-Dichlorobenzene	12.40	146	3614	1.05	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.01	75	680	0.98	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	2665	1.07	ug/l	98
94) Hexachlorobutadiene	13.79	225	1174	1.14	ug/l	90
95) Naphthalene	13.84	128	9144	1.05	ug/l	97
96) 1,2,3-Trichlorobenzene	14.03	180	2665	1.08	ug/l	98

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

