

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021418\
 Data File : VX000088.D
 Acq On : 14 Feb 2018 15:44
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ClientSampled :
 VSTDIC020

Manual Integrations
 APPROVED

sam
 2/16/2018 1:20:56 PM

Quant Time: Feb 15 03:10:54 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 02:51:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	120063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	201376	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	195483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	111582	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	30712	23.61	ug/l	0.00
Spiked Amount			Recovery	=	47.22%	
35) Dibromofluoromethane	5.51	113	24680	20.80	ug/l	0.00
Spiked Amount			Recovery	=	41.60%	
50) Toluene-d8	8.73	98	96841	21.62	ug/l	0.00
Spiked Amount			Recovery	=	43.24%	
62) 4-Bromofluorobenzene	11.15	95	37380	20.72	ug/l	0.00
Spiked Amount			Recovery	=	41.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	25867	23.16	ug/l	100
3) Chloromethane	1.32	50	24900	22.22	ug/l	97
4) Vinyl Chloride	1.40	62	28783	22.70	ug/l	97
5) Bromomethane	1.64	94	23774	31.72	ug/l	96
6) Chloroethane	1.73	64	18459	24.05	ug/l	97
7) Trichlorofluoromethane	1.93	101	49248	22.27	ug/l	97
8) Diethyl Ether	2.20	74	17557	22.03	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	26837	21.49	ug/l	97
10) Methyl Iodide	2.52	142	28949	20.72	ug/l	99
11) Tert butyl alcohol	3.07	59	58152	111.33	ug/l	99
12) 1,1-Dichloroethene	2.38	96	25817	21.87	ug/l	94
13) Acrolein	2.30	56	26884	103.10	ug/l	97
14) Allyl chloride	2.73	41	43784	21.24	ug/l	100
15) Acrylonitrile	3.15	53	100695	112.13	ug/l	100
16) Acetone	2.45	43	97447	123.63	ug/l	100
17) Carbon Disulfide	2.57	76	72486	21.21	ug/l	96
18) Methyl Acetate	2.78	43	46943	24.25	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	88848	21.96	ug/l	100
20) Methylene Chloride	2.86	84	27473	21.80	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	27496	21.59	ug/l	96
22) Diisopropyl ether	3.88	45	69620	20.42	ug/l	93
23) Vinyl Acetate	3.83	43	330581	107.14	ug/l	97
24) 1,1-Dichloroethane	3.71	63	46773	22.70	ug/l	98
25) 2-Butanone	4.72	43	137653	118.09	ug/l	99
26) 2,2-Dichloropropane	4.59	77	38799	21.47	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	26732	21.56	ug/l	98
28) Bromochloromethane	5.03	49	20424	27.63	ug/l	94
29) Tetrahydrofuran	5.18	42	88214	111.45	ug/l	100
30) Chloroform	5.23	83	46272	21.71	ug/l	99
31) Cyclohexane	5.59	56	37481	21.64	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	42848	21.36	ug/l	100
36) 1,1-Dichloropropene	5.81	75	35575	20.22	ug/l	97
37) Ethyl Acetate	4.88	43	47330	20.63	ug/l	98
38) Carbon Tetrachloride	5.80	117	38078	19.38	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	43283	20.32	ug/l	96
40) Benzene	6.16	78	101103	20.36	ug/l	97
41) Methacrylonitrile	5.08	41	24713	20.99	ug/l	99
42) 1,2-Dichloroethane	6.21	62	38024	21.33	ug/l	99
43) Isopropyl Acetate	6.48	43	70532	20.49	ug/l	99
44) Trichloroethene	7.23	130	30063	19.73	ug/l	98
45) 1,2-Dichloropropane	7.52	63	25408	21.00	ug/l	98
46) Dibromomethane	7.67	93	19509	20.86	ug/l	98
47) Bromodichloromethane	7.91	83	36774	20.29	ug/l	95
48) Methyl methacrylate	7.79	41	34011	20.12	ug/l	99
49) 1,4-Dioxane	7.77	88	17614	390.76	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	257788	106.83	ug/l	97
52) Toluene	8.79	92	67587	20.23	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	42584	20.13	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	41467	20.11	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	28476	20.35	ug/l	98
56) Ethyl methacrylate	9.19	69	43663	20.36	ug/l	97
57) 1,3-Dichloropropane	9.38	76	44744	20.50	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	107081	100.83	ug/l	98
59) 2-Hexanone	9.51	43	217199	109.91	ug/l	100
60) Dibromochloromethane	9.59	129	31327	19.48	ug/l	95
61) 1,2-Dibromoethane	9.68	107	31625	20.61	ug/l	100
64) Tetrachloroethene	9.34	164	27481	18.93	ug/l	98
65) Chlorobenzene	10.15	112	82041	20.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	28402	19.44	ug/l	97
67) Ethyl Benzene	10.26	91	136323	20.19	ug/l	98
68) m/p-Xylenes	10.37	106	107425	39.95	ug/l	99
69) o-Xylene	10.71	106	53085	20.45	ug/l	100
70) Styrene	10.72	104	87861	20.08	ug/l	98
71) Bromoform	10.87	173	25245	18.44	ug/l #	100
73) Isopropylbenzene	11.02	105	140615	19.87	ug/l	99
74) N-amyl acetate	6.48	43	70532	19.82	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.28	83	48043	19.92	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	43657m	20.62	ug/l	
77) Bromobenzene	11.26	156	37381	19.49	ug/l	96
78) n-propylbenzene	11.37	91	163030	19.82	ug/l	100
79) 2-Chlorotoluene	11.43	91	92484	19.48	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	119816	20.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	15620	18.50	ug/l	96
82) 4-Chlorotoluene	11.52	91	112787	19.87	ug/l	100
83) tert-Butylbenzene	11.78	119	118690	19.84	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	124059	20.37	ug/l	98
85) sec-Butylbenzene	11.96	105	149341	20.24	ug/l	99
86) p-Isopropyltoluene	12.07	119	131418	19.77	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	71039	19.62	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	73200	19.73	ug/l	98
89) n-Butylbenzene	12.40	91	124171	20.05	ug/l	98
90) Hexachloroethane	12.60	117	21688	18.77	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	70839	19.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13866	19.88	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	51917	19.15	ug/l	98
94) Hexachlorobutadiene	13.79	225	22263	17.70	ug/l	99
95) Naphthalene	13.84	128	181106	20.37	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	52278	19.78	ug/l	99

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

