

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042618\
 Data File : VX001135.D
 Acq On : 26 Apr 2018 17:03
 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
 4/30/2018 6:03:23 PM

Quant Time: Apr 27 01:28:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 27 01:18:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	201278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	284818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	257962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	159629	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	4052	1.54	ug/l	0.00
Spiked Amount			Recovery	=	3.08%	
35) Dibromofluoromethane	5.51	113	2507	1.14	ug/l	0.00
Spiked Amount			Recovery	=	2.28%	
50) Toluene-d8	8.72	98	9496	1.17	ug/l	0.00
Spiked Amount			Recovery	=	2.34%	
62) 4-Bromofluorobenzene	11.14	95	3513	1.03	ug/l	0.00
Spiked Amount			Recovery	=	2.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2378	1.00	ug/l	99
3) Chloromethane	1.32	50	2526	1.11	ug/l	98
4) Vinyl Chloride	1.40	62	2712	1.14	ug/l	93
5) Bromomethane	1.65	94	2081	1.41	ug/l #	79
6) Chloroethane	1.73	64	1726	1.20	ug/l	99
7) Trichlorofluoromethane	1.93	101	4215	1.17	ug/l	93
8) Diethyl Ether	2.20	74	1685	1.24	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2200	1.05	ug/l #	82
12) 1,1-Dichloroethene	2.37	96	2448	1.25	ug/l #	79
14) Allyl chloride	2.73	41	3762	1.05	ug/l	93
15) Acrylonitrile	3.16	53	7348	6.76	ug/l	100
16) Acetone	2.45	43	7757	7.66	ug/l	96
17) Carbon Disulfide	2.57	76	5740	1.04	ug/l	99
18) Methyl Acetate	2.79	43	3424	1.17	ug/l #	91
19) Methyl tert-butyl Ether	3.21	73	8424	1.25	ug/l #	85
20) Methylene Chloride	2.86	84	3025	1.34	ug/l #	91
21) trans-1,2-Dichloroethene	3.17	96	2669	1.22	ug/l #	82
22) Diisopropyl ether	3.87	45	7978	1.15	ug/l #	90
23) Vinyl Acetate	3.83	43	29652	5.09	ug/l	98
24) 1,1-Dichloroethane	3.70	63	4532	1.18	ug/l	95
25) 2-Butanone	4.72	43	11036	7.02	ug/l	98
26) 2,2-Dichloropropane	4.59	77	3329	1.02	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	2669	1.09	ug/l	98
28) Bromochloromethane	5.03	49	1844	1.20	ug/l #	98
29) Tetrahydrofuran	5.18	42	7183	7.22	ug/l	94
30) Chloroform	5.22	83	4379	1.09	ug/l	94
31) Cyclohexane	5.59	56	3636	1.03	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	3681	1.03	ug/l #	51
36) 1,1-Dichloropropene	5.81	75	3725	1.13	ug/l	99
37) Ethyl Acetate	4.88	43	4092	1.29	ug/l #	95
38) Carbon Tetrachloride	5.78	117	3362	1.00	ug/l #	81
39) Methylcyclohexane	7.48	83	3535	0.93	ug/l #	93
40) Benzene	6.15	78	9466	1.02	ug/l	98
41) Methacrylonitrile	5.08	41	2217	1.13	ug/l #	87

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 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	6.20	62	3784	1.05	ug/l	90
43) Isopropyl Acetate	6.48	43	6014	1.12	ug/l	98
44) Trichloroethene	7.23	130	2902	1.03	ug/l	82
45) 1,2-Dichloropropane	7.52	63	2550	1.09	ug/l	99
46) Dibromomethane	7.67	93	1647	1.00	ug/l	98
47) Bromodichloromethane	7.91	83	2705	0.89	ug/l	99
48) Methyl methacrylate	7.79	41	3208	1.11	ug/l	94
49) 1,4-Dioxane	7.76	88	1240	26.94	ug/l #	75
51) 4-Methyl-2-Pentanone	8.66	43	18129	5.45	ug/l	95
52) Toluene	8.79	92	5943	0.98	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	2798	0.78	ug/l	90
54) cis-1,3-Dichloropropene	9.05	75	2620	0.77	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	2666	1.10	ug/l #	87
56) Ethyl methacrylate	9.19	69	3158	0.88	ug/l #	82
57) 1,3-Dichloropropane	9.38	76	4122	1.03	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.32	63	8229	4.75	ug/l	100
59) 2-Hexanone	9.51	43	14317	5.60	ug/l	96
60) Dibromochloromethane	9.59	129	2035	0.80	ug/l	86
61) 1,2-Dibromoethane	9.68	107	2420	0.94	ug/l	98
64) Tetrachloroethene	9.34	164	3161	1.16	ug/l	93
65) Chlorobenzene	10.14	112	7183	1.05	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	1967	0.83	ug/l #	64
67) Ethyl Benzene	10.26	91	11003	0.97	ug/l	95
68) m/p-Xylenes	10.37	106	8604	1.93	ug/l	97
69) o-Xylene	10.70	106	3983	0.92	ug/l	88
70) Styrene	10.72	104	6441	0.91	ug/l	98
71) Bromoform	10.87	173	1511	0.78	ug/l #	92
73) Isopropylbenzene	11.02	105	11163	1.08	ug/l	99
74) N-amyl acetate	6.48	43	6014	1.31	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	3584	1.19	ug/l	94
76) 1,2,3-Trichloropropane	11.30	75	3365m	1.18	ug/l	
77) Bromobenzene	11.26	156	3332	1.10	ug/l	94
78) n-propylbenzene	11.37	91	12066	1.01	ug/l	98
79) 2-Chlorotoluene	11.43	91	7946	1.12	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	8849	1.00	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	536	0.68	ug/l #	60
82) 4-Chlorotoluene	11.52	91	9206	1.08	ug/l	100
83) tert-Butylbenzene	11.77	119	8792	0.99	ug/l	92
84) 1,2,4-Trimethylbenzene	11.81	105	8978	0.99	ug/l	98
85) sec-Butylbenzene	11.95	105	10350	0.98	ug/l	96
86) p-Isopropyltoluene	12.07	119	9644	0.99	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	5960	1.06	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	6669m	1.15	ug/l	
89) n-Butylbenzene	12.39	91	8339	0.96	ug/l	97
90) Hexachloroethane	12.60	117	1083	0.78	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	5871	1.07	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.01	75	645	1.00	ug/l	93
93) 1,2,4-Trichlorobenzene	13.65	180	4892	1.07	ug/l	98
94) Hexachlorobutadiene	13.79	225	2260	1.09	ug/l	98
95) Naphthalene	13.84	128	12169	1.06	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	14.02	180	4657	1.05	ug/l	97

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

