

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000748.D
 Acq On : 10 Apr 2018 13:09
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/11/2018 11:20:41 AM

Quant Time: Apr 10 15:20:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:11:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	351422	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	330299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220586	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	17245	5.45	ug/l	0.00
Spiked Amount			Recovery	=	10.90%	
35) Dibromofluoromethane	5.51	113	13688	5.05	ug/l	0.00
Spiked Amount			Recovery	=	10.10%	
50) Toluene-d8	8.72	98	51282	5.22	ug/l	0.00
Spiked Amount			Recovery	=	10.44%	
62) 4-Bromofluorobenzene	11.15	95	20917	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	14070	4.63	ug/l	97
3) Chloromethane	1.32	50	12357	4.84	ug/l	97
4) Vinyl Chloride	1.40	62	13932	4.85	ug/l	96
5) Bromomethane	1.64	94	5687	4.79	ug/l	97
6) Chloroethane	1.72	64	9389	5.64	ug/l	99
7) Trichlorofluoromethane	1.93	101	21872	5.08	ug/l	99
8) Diethyl Ether	2.20	74	8223	5.26	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	12803	5.15	ug/l	96
10) Methyl Iodide	2.51	142	4134	2.38	ug/l #	96
11) Tert butyl alcohol	3.07	59	16389	27.75	ug/l	100
12) 1,1-Dichloroethene	2.37	96	12365	5.22	ug/l	97
13) Acrolein	2.30	56	6556	23.13	ug/l	92
14) Allyl chloride	2.73	41	22235	5.07	ug/l	98
15) Acrylonitrile	3.15	53	31556	24.91	ug/l	98
16) Acetone	2.45	43	28438	25.17	ug/l	98
17) Carbon Disulfide	2.57	76	36029	5.12	ug/l	100
18) Methyl Acetate	2.78	43	15162	5.10	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	41493	5.17	ug/l	99
20) Methylene Chloride	2.86	84	13747	5.44	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	13369	5.20	ug/l	95
22) Diisopropyl ether	3.88	45	41867	5.16	ug/l	98
23) Vinyl Acetate	3.83	43	187204	26.35	ug/l	99
24) 1,1-Dichloroethane	3.70	63	23643	5.26	ug/l	98
25) 2-Butanone	4.71	43	48307	25.23	ug/l	97
26) 2,2-Dichloropropane	4.59	77	23192	5.18	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	15250	5.10	ug/l	99
28) Bromochloromethane	5.03	49	10431	5.93	ug/l	99
29) Tetrahydrofuran	5.18	42	30655	25.43	ug/l	99
30) Chloroform	5.22	83	24621	5.06	ug/l	100
31) Cyclohexane	5.59	56	21932	5.18	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	22945	4.94	ug/l	97
36) 1,1-Dichloropropene	5.81	75	19605	5.24	ug/l	99
37) Ethyl Acetate	4.87	43	18878	4.98	ug/l	97
38) Carbon Tetrachloride	5.79	117	20929	4.88	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	23314	5.22	ug/l	93
40) Benzene	6.15	78	53689	5.05	ug/l	99
41) Methacrylonitrile	5.07	41	10853	4.98	ug/l	97
42) 1,2-Dichloroethane	6.21	62	20390	5.13	ug/l	99
43) Isopropyl Acetate	6.48	43	31978	4.98	ug/l	99
44) Trichloroethene	7.22	130	16593	5.03	ug/l	100
45) 1,2-Dichloropropane	7.52	63	13763	5.01	ug/l	97
46) Dibromomethane	7.67	93	9396	4.98	ug/l	97
47) Bromodichloromethane	7.91	83	19266	4.97	ug/l	96
48) Methyl methacrylate	7.79	41	16744	4.99	ug/l	98
49) 1,4-Dioxane	7.76	88	6846	101.28	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	95478	24.84	ug/l	100
52) Toluene	8.79	92	36005	5.14	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	22718	4.88	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	21837	4.78	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	14002	5.06	ug/l	99
56) Ethyl methacrylate	9.19	69	21699	4.97	ug/l	100
57) 1,3-Dichloropropane	9.38	76	22417	4.95	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.32	63	52758	25.25	ug/l	99
59) 2-Hexanone	9.51	43	74343	24.95	ug/l	99
60) Dibromochloromethane	9.59	129	16167	4.67	ug/l	100
61) 1,2-Dibromoethane	9.68	107	14568	4.83	ug/l	100
64) Tetrachloroethene	9.34	164	16183	5.07	ug/l	97
65) Chlorobenzene	10.15	112	41554	5.02	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	15584	4.97	ug/l	98
67) Ethyl Benzene	10.26	91	69200	5.02	ug/l	100
68) m/p-Xylenes	10.37	106	54088	9.92	ug/l	99
69) o-Xylene	10.71	106	26397	4.98	ug/l	99
70) Styrene	10.72	104	44024	4.92	ug/l	99
71) Bromoform	10.87	173	13373	4.42	ug/l #	99
73) Isopropylbenzene	11.02	105	72040	5.12	ug/l	100
74) N-amyl acetate	6.48	43	31978	5.06	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	20029	4.94	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	19413m	5.02	ug/l	
77) Bromobenzene	11.26	156	20704	5.10	ug/l	99
78) n-propylbenzene	11.37	91	81459	5.13	ug/l	99
79) 2-Chlorotoluene	11.43	91	48166	5.11	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	60338	5.00	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	6671	4.75	ug/l	95
82) 4-Chlorotoluene	11.52	91	58806	5.23	ug/l	98
83) tert-Butylbenzene	11.77	119	62922	5.03	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	62895	5.09	ug/l	98
85) sec-Butylbenzene	11.95	105	72980	5.02	ug/l	99
86) p-Isopropyltoluene	12.07	119	68362	5.05	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	37890	5.04	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	39244	5.14	ug/l	94
89) n-Butylbenzene	12.40	91	59770	5.01	ug/l	100
90) Hexachloroethane	12.60	117	10849	4.59	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	36984	5.05	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	5156	5.08	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	30551	4.92	ug/l	96
94) Hexachlorobutadiene	13.79	225	15741	5.18	ug/l	98
95) Naphthalene	13.84	128	79922	4.91	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	30274	5.01	ug/l	99

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

