

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030718\
 Data File : VX000207.D
 Acq On : 07 Mar 2018 12:36
 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

apatel
 3/8/2018 10:42:09 AM

Quant Time: Mar 08 00:43:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 00:32:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	135984	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	219985	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	212831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	118044	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	9432	5.43	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	10.86%	
35) Dibromofluoromethane	5.51	113	7373	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	
50) Toluene-d8	8.72	98	28872	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
62) 4-Bromofluorobenzene	11.15	95	10847	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	7668	5.46	ug/l	95
3) Chloromethane	1.32	50	7867	5.72	ug/l	97
4) Vinyl Chloride	1.41	62	9094	5.89	ug/l	97
5) Bromomethane	1.64	94	13143	8.62	ug/l	98
6) Chloroethane	1.72	64	5798	5.54	ug/l	# 85
7) Trichlorofluoromethane	1.93	101	14784	5.34	ug/l	97
8) Diethyl Ether	2.19	74	5278	5.52	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	8423	5.47	ug/l	99
10) Methyl Iodide	2.51	142	4676	2.86	ug/l	98
11) Tert butyl alcohol	3.07	59	18228	27.59	ug/l	97
12) 1,1-Dichloroethene	2.38	96	7734	5.40	ug/l	89
13) Acrolein	2.30	56	8455	26.04	ug/l	97
14) Allyl chloride	2.73	41	13456	5.56	ug/l	100
15) Acrylonitrile	3.15	53	29943	26.35	ug/l	97
16) Acetone	2.45	43	34157	29.90	ug/l	95
17) Carbon Disulfide	2.57	76	19702	4.68	ug/l	98
18) Methyl Acetate	2.78	43	14214	5.39	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	25093	5.09	ug/l	98
20) Methylene Chloride	2.87	84	8120	5.09	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	7856	5.04	ug/l	90
22) Diisopropyl ether	3.88	45	23837	5.71	ug/l	96
23) Vinyl Acetate	3.83	43	115665	29.40	ug/l	98
24) 1,1-Dichloroethane	3.70	63	14220	5.54	ug/l	93
25) 2-Butanone	4.71	43	41625	26.65	ug/l	100
26) 2,2-Dichloropropane	4.60	77	10367	4.85	ug/l	96
27) cis-1,2-Dichloroethene	4.61	96	7564	5.14	ug/l	97
28) Bromochloromethane	5.03	49	6676	5.93	ug/l	88
29) Tetrahydrofuran	5.17	42	25317	25.01	ug/l	98
30) Chloroform	5.22	83	13501	5.15	ug/l	97
31) Cyclohexane	5.59	56	10851	5.06	ug/l	92
32) 1,1,1-Trichloroethane	5.51	97	11645	4.85	ug/l	98
36) 1,1-Dichloropropene	5.81	75	10618	5.37	ug/l	98
37) Ethyl Acetate	4.87	43	13874	5.08	ug/l	98
38) Carbon Tetrachloride	5.79	117	9650	4.57	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	12983	5.44	ug/l	98
40) Benzene	6.15	78	29018	5.13	ug/l	100
41) Methacrylonitrile	5.07	41	7367	5.17	ug/l	94
42) 1,2-Dichloroethane	6.21	62	11811	5.63	ug/l	99
43) Isopropyl Acetate	6.48	43	20704	5.24	ug/l	99
44) Trichloroethene	7.22	130	8600	5.19	ug/l	96
45) 1,2-Dichloropropane	7.52	63	7729	5.54	ug/l	100
46) Dibromomethane	7.67	93	5624	5.17	ug/l	98
47) Bromodichloromethane	7.91	83	9807	4.89	ug/l	99
48) Methyl methacrylate	7.79	41	10386	5.38	ug/l	94
49) 1,4-Dioxane	7.77	88	4713	94.94	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	76541	26.25	ug/l	99
52) Toluene	8.79	92	19400	5.09	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	11448	4.86	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	10438	4.46	ug/l	94
55) 1,1,2-Trichloroethane	9.23	97	7909	5.05	ug/l	93
56) Ethyl methacrylate	9.19	69	11084	4.60	ug/l	93
57) 1,3-Dichloropropane	9.38	76	13503	5.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	28584	23.50	ug/l	100
59) 2-Hexanone	9.51	43	63703	25.76	ug/l	100
60) Dibromochloromethane	9.59	129	7186	4.09	ug/l	94
61) 1,2-Dibromoethane	9.68	107	8555	4.91	ug/l	95
64) Tetrachloroethene	9.34	164	8552	5.61	ug/l	96
65) Chlorobenzene	10.15	112	22153	4.95	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.23	131	7081	4.57	ug/l	96
67) Ethyl Benzene	10.26	91	40404	5.36	ug/l	94
68) m/p-Xylenes	10.37	106	29792	9.97	ug/l	94
69) o-Xylene	10.71	106	14555	5.07	ug/l	98
70) Styrene	10.72	104	22869	4.86	ug/l	97
71) Bromoform	10.87	173	5887	4.21	ug/l #	94
73) Isopropylbenzene	11.02	105	39642	5.33	ug/l	97
74) N-amyl acetate	6.48	43	20704	5.53	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	13989	5.39	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	12745m	5.26	ug/l	
77) Bromobenzene	11.26	156	9660	4.85	ug/l	93
78) n-propylbenzene	11.37	91	47407	5.40	ug/l	98
79) 2-Chlorotoluene	11.43	91	26960	5.39	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	32444	5.16	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	3504	4.17	ug/l #	79
82) 4-Chlorotoluene	11.52	91	32398	5.31	ug/l	100
83) tert-Butylbenzene	11.78	119	31546	4.97	ug/l	96
84) 1,2,4-Trimethylbenzene	11.82	105	33723	5.16	ug/l	98
85) sec-Butylbenzene	11.96	105	41190	5.21	ug/l	97
86) p-Isopropyltoluene	12.07	119	35719	5.07	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	19298	5.00	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	19813	4.97	ug/l	93
89) n-Butylbenzene	12.40	91	34950	5.23	ug/l	98
90) Hexachloroethane	12.60	117	5450	4.79	ug/l	92
91) 1,2-Dichlorobenzene	12.40	146	18629	4.90	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	3856	5.36	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	14038	4.98	ug/l	99
94) Hexachlorobutadiene	13.79	225	6055	4.99	ug/l	97
95) Naphthalene	13.84	128	45359	4.71	ug/l	98
96) 1,2,3-Trichlorobenzene	14.03	180	13716	4.93	ug/l	97

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

