

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032218\
 Data File : VX000398.D
 Acq On : 22 Mar 2018 11:50
 Operator : JC/MD
 Sample : VX0322WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0322WBS01

Manual Integrations
 APPROVED

sam
 3/23/2018 1:52:57 PM

Quant Time: Mar 23 05:55:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	113851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	180255	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	182533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	99560	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	73133	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	5.51	113	56187	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	8.73	98	234330	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.15	95	86477	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	23804	18.97	ug/l	93
3) Chloromethane	1.32	50	24062	18.20	ug/l	98
4) Vinyl Chloride	1.41	62	27697	19.83	ug/l	95
5) Bromomethane	1.65	94	24529	14.70	ug/l	100
6) Chloroethane	1.73	64	17690	22.24	ug/l	# 88
7) Trichlorofluoromethane	1.93	101	49470	19.62	ug/l	97
8) Diethyl Ether	2.20	74	17391	19.30	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.39	101	27833	19.80	ug/l	97
10) Methyl Iodide	2.52	142	23159	19.48	ug/l	98
11) Tert butyl alcohol	3.06	59	49415	96.66	ug/l	100
12) 1,1-Dichloroethene	2.38	96	24642	19.97	ug/l	98
13) Acrolein	2.30	56	14380	97.54	ug/l	97
14) Allyl chloride	2.73	41	42169	19.29	ug/l	95
15) Acrylonitrile	3.15	53	102266	98.77	ug/l	99
16) Acetone	2.45	43	118981	96.24	ug/l	99
17) Carbon Disulfide	2.57	76	61975	18.89	ug/l	100
18) Methyl Acetate	2.78	43	52952	20.43	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	88598	19.41	ug/l	99
20) Methylene Chloride	2.86	84	27594	19.32	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	27327	19.85	ug/l	97
22) Diisopropyl ether	3.88	45	84301	21.85	ug/l	92
23) Vinyl Acetate	3.83	43	403999	110.47	ug/l	97
24) 1,1-Dichloroethane	3.70	63	49397	20.37	ug/l	98
25) 2-Butanone	4.71	43	136620	98.31	ug/l	98
26) 2,2-Dichloropropane	4.59	77	33735	19.84	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	25654	19.94	ug/l	97
28) Bromochloromethane	5.03	49	19522	19.52	ug/l	99
29) Tetrahydrofuran	5.17	42	80857	94.57	ug/l	99
30) Chloroform	5.23	83	44404	19.53	ug/l	98
31) Cyclohexane	5.59	56	34810	18.57	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	39216	19.12	ug/l	99
36) 1,1-Dichloropropene	5.81	75	31429	18.61	ug/l	96
37) Ethyl Acetate	4.87	43	45120	19.56	ug/l	100
38) Carbon Tetrachloride	5.79	117	32850	18.55	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	40629	19.79	ug/l	98
40) Benzene	6.15	78	96065	19.59	ug/l	100
41) Methacrylonitrile	5.07	41	22595	18.58	ug/l	97
42) 1,2-Dichloroethane	6.20	62	38273	19.89	ug/l	100
43) Isopropyl Acetate	6.48	43	66129	19.26	ug/l	99
44) Trichloroethene	7.22	130	27872	19.84	ug/l	97
45) 1,2-Dichloropropane	7.52	63	25269	20.13	ug/l	98
46) Dibromomethane	7.67	93	19465	19.76	ug/l	97
47) Bromodichloromethane	7.90	83	34877	20.12	ug/l #	97
48) Methyl methacrylate	7.79	41	32471	19.48	ug/l	99
49) 1,4-Dioxane	7.77	88	13661	389.92	ug/l	95
51) 4-Methyl-2-Pentanone	8.66	43	266953	100.46	ug/l	98
52) Toluene	8.79	92	67868	19.80	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	39126	19.48	ug/l	95
54) cis-1,3-Dichloropropene	9.05	75	37328	19.16	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	27576	19.56	ug/l	95
56) Ethyl methacrylate	9.19	69	41215	19.29	ug/l	97
57) 1,3-Dichloropropane	9.38	76	46970	20.83	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	103506	100.96	ug/l	98
59) 2-Hexanone	9.51	43	227178	100.68	ug/l	99
60) Dibromochloromethane	9.59	129	28673	19.89	ug/l	98
61) 1,2-Dibromoethane	9.68	107	30514	20.19	ug/l	99
64) Tetrachloroethene	9.34	164	29530	20.85	ug/l	96
65) Chlorobenzene	10.15	112	78499	19.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	27197	19.71	ug/l	98
67) Ethyl Benzene	10.26	91	136941	19.89	ug/l	99
68) m/p-Xylenes	10.37	106	105270	38.85	ug/l	99
69) o-Xylene	10.71	106	51386	19.59	ug/l	100
70) Styrene	10.72	104	83734	19.29	ug/l	99
71) Bromoform	10.87	173	22307	18.81	ug/l #	97
73) Isopropylbenzene	11.02	105	139600	21.16	ug/l	100
74) N-amyl acetate	6.48	43	66129	21.10	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	49462	21.20	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	45040m	21.05	ug/l	
77) Bromobenzene	11.26	156	34858	19.84	ug/l	99
78) n-propylbenzene	11.37	91	166313	21.14	ug/l	99
79) 2-Chlorotoluene	11.43	91	92507	20.36	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	116441	20.99	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	12385	18.74	ug/l	88
82) 4-Chlorotoluene	11.52	91	111332	20.52	ug/l	99
83) tert-Butylbenzene	11.78	119	116031	20.74	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	121322	20.86	ug/l	99
85) sec-Butylbenzene	11.96	105	144758	20.91	ug/l	100
86) p-Isopropyltoluene	12.07	119	128232	20.86	ug/l	98
87) 1,3-Dichlorobenzene	12.04	146	67346	20.27	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	67993	19.49	ug/l	98
89) n-Butylbenzene	12.40	91	116664	20.38	ug/l	98
90) Hexachloroethane	12.60	117	20957	21.66	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	66549	20.43	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13591	20.89	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	46068	19.73	ug/l	99
94) Hexachlorobutadiene	13.79	225	21174	21.90	ug/l	98
95) Naphthalene	13.85	128	167059	20.54	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	47559	20.61	ug/l	99

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

