

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100118\
 Data File : VU027324.D
 Acq On : 01 Oct 2018 17:35
 Operator : MD/SY
 Sample : VU1001WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1001WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:47 AM

Quant Time: Oct 02 07:54:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	117260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	199992	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	188093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88057	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	93518	47.76	ug/l	0.00
Spiked Amount						
			Recovery	=	95.52%	
35) Dibromofluoromethane	4.88	113	65958	48.12	ug/l	0.00
Spiked Amount						
			Recovery	=	96.24%	
50) Toluene-d8	7.57	98	257844	50.26	ug/l	0.00
Spiked Amount						
			Recovery	=	100.52%	
62) 4-Bromofluorobenzene	10.31	95	90765	47.61	ug/l	0.00
Spiked Amount						
			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	34989	20.697	ug/l	99
3) Chloromethane	1.33	50	44268	19.341	ug/l	97
4) Vinyl Chloride	1.40	62	42538	19.771	ug/l	98
5) Bromomethane	1.62	94	19062	20.476	ug/l	98
6) Chloroethane	1.69	64	24195	18.715	ug/l	100
7) Trichlorofluoromethane	1.88	101	43664	20.002	ug/l	98
8) Diethyl Ether	2.10	74	20133	20.021	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	26030	20.532	ug/l	98
10) Methyl Iodide	2.41	142	11094	16.663	ug/l	98
11) Tert butyl alcohol	2.83	59	42850	103.922	ug/l	99
12) 1,1-Dichloroethene	2.28	96	24482	19.766	ug/l	99
13) Acrolein	2.20	56	28401	82.087	ug/l	100
14) Allyl chloride	2.59	41	57256	19.466	ug/l	98
15) Acrylonitrile	2.94	53	107293	99.976	ug/l	98
16) Acetone	2.32	43	103580	89.545	ug/l	100
17) Carbon Disulfide	2.48	76	83296	18.646	ug/l	99
18) Methyl Acetate	2.62	43	51824	19.639	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	97671	19.680	ug/l	98
20) Methylene Chloride	2.70	84	31121	19.315	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	27818	20.004	ug/l	98
22) Diisopropyl ether	3.58	45	120486	20.154	ug/l	98
23) Vinyl Acetate	3.53	43	522242	100.031	ug/l	100
24) 1,1-Dichloroethane	3.45	63	61902	20.142	ug/l	100
25) 2-Butanone	4.27	43	158274	100.339	ug/l	100
26) 2,2-Dichloropropane	4.23	77	48163	19.072	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	30800	19.368	ug/l	98
28) Bromochloromethane	4.55	49	28915	19.501	ug/l	99
29) Tetrahydrofuran	4.64	42	102988	103.600	ug/l	99
30) Chloroform	4.68	83	55431	20.301	ug/l	98
31) Cyclohexane	5.00	56	61340	19.387	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	46148	20.067	ug/l	98
36) 1,1-Dichloropropene	5.14	75	41787	19.244	ug/l	99
37) Ethyl Acetate	4.39	43	56141	20.005	ug/l	99
38) Carbon Tetrachloride	5.14	117	38558	19.657	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	48302	19.029	ug/l	96
40) Benzene	5.39	78	125206	19.795	ug/l	98
41) Methacrylonitrile	4.55	41	31414	19.804	ug/l	98
42) 1,2-Dichloroethane	5.41	62	47751	20.338	ug/l	99
43) Isopropyl Acetate	5.55	43	88063	20.204	ug/l	99
44) Trichloroethene	6.19	130	27035	19.168	ug/l	99
45) 1,2-Dichloropropane	6.44	63	36703	20.118	ug/l	99
46) Dibromomethane	6.56	93	21398	20.767	ug/l	97
47) Bromodichloromethane	6.76	83	42043	19.664	ug/l	99
48) Methyl methacrylate	6.62	41	43433	20.038	ug/l	97
49) 1,4-Dioxane	6.61	88	16996	455.737	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	289824	102.328	ug/l	100
52) Toluene	7.64	92	74833	19.988	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	49196	19.625	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	53320	19.785	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	29788	20.068	ug/l	97
56) Ethyl methacrylate	8.02	69	49294	18.825	ug/l	98
57) 1,3-Dichloropropane	8.24	76	56746	19.693	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	141310	95.774	ug/l	100
59) 2-Hexanone	8.36	43	223131	101.558	ug/l	99
60) Dibromochloromethane	8.48	129	29337	19.706	ug/l	99
61) 1,2-Dibromoethane	8.59	107	31485	19.950	ug/l	100
64) Tetrachloroethene	8.23	164	23029	19.668	ug/l	98
65) Chlorobenzene	9.12	112	76215	19.250	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	27341	20.004	ug/l	97
67) Ethyl Benzene	9.25	91	136117	19.405	ug/l	100
68) m/p-Xylenes	9.38	106	101581	39.590	ug/l	99
69) o-Xylene	9.78	106	48720	19.981	ug/l	99
70) Styrene	9.79	104	79992	19.043	ug/l	100
71) Bromoform	9.96	173	20894	19.000	ug/l #	99
73) Isopropylbenzene	10.17	105	131919	20.627	ug/l	100
74) N-amyl acetate	10.02	43	73894	20.183	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	51665	20.574	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	45916m	20.115	ug/l	
77) Bromobenzene	10.45	156	30644	20.617	ug/l	97
78) n-propylbenzene	10.59	91	157091	20.441	ug/l	100
79) 2-Chlorotoluene	10.66	91	93653	20.183	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	108518	20.841	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	13199m	15.133	ug/l	
82) 4-Chlorotoluene	10.77	91	108643	20.633	ug/l	100
83) tert-Butylbenzene	11.10	119	103668	20.595	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	112822	21.212	ug/l	99
85) sec-Butylbenzene	11.32	105	131714	20.768	ug/l	99
86) p-Isopropyltoluene	11.48	119	111117	20.462	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	56574	20.101	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	57808	20.100	ug/l	98
89) n-Butylbenzene	11.89	91	99946	18.617	ug/l	99
90) Hexachloroethane	12.15	117	19876	19.418	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	55993	20.439	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11399	20.481	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	37647	21.238	ug/l	98
94) Hexachlorobutadiene	13.69	225	19195	21.432	ug/l	98
95) Naphthalene	13.74	128	130596	20.625	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	36704	19.875	ug/l	99

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

