

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034523.D
 Acq On : 12 Sep 2019 16:28
 Operator : JC/SP
 Sample : VU0912WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS03

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:16:53 AM

Quant Time: Sep 13 07:53:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	254448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	355258	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	355887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	238738	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	222147	57.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.40%	
35) Dibromofluoromethane	4.86	113	200837	60.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.50%	
50) Toluene-d8	7.54	98	744862	59.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.96%	
62) 4-Bromofluorobenzene	10.29	95	283882	59.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.40%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	56085	21.075	ug/l	98
3) Chloromethane	1.32	50	67700	23.502	ug/l	100
4) Vinyl Chloride	1.40	62	68683	20.712	ug/l	98
5) Bromomethane	1.62	94	45553	24.933	ug/l	97
6) Chloroethane	1.69	64	45018	22.812	ug/l	96
7) Trichlorofluoromethane	1.88	101	101491	22.826	ug/l	99
8) Diethyl Ether	2.09	74	45241	23.132	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68994	23.428	ug/l	99
10) Methyl Iodide	2.40	142	43340	18.695	ug/l	98
11) Tert butyl alcohol	2.81	59	103178	126.857	ug/l	98
12) 1,1-Dichloroethene	2.27	96	61848	22.341	ug/l	96
13) Acrolein	2.18	56	34947	51.122	ug/l	100
14) Allyl chloride	2.58	41	115002m	21.729	ug/l	
15) Acrylonitrile	2.92	53	245854	121.385	ug/l	98
16) Acetone	2.31	43	242571	121.755	ug/l	99
17) Carbon Disulfide	2.47	76	116418	18.711	ug/l	100
18) Methyl Acetate	2.60	43	113975	23.511	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	245118	24.292	ug/l	98
20) Methylene Chloride	2.69	84	80418	24.439	ug/l	97
21) trans-1,2-Dichloroethene	2.97	96	65085	22.310	ug/l	98
22) Diisopropyl ether	3.55	45	253737	24.583	ug/l	91
23) Vinyl Acetate	3.50	43	1003554	119.365	ug/l	99
24) 1,1-Dichloroethane	3.43	63	142649	23.143	ug/l	99
25) 2-Butanone	4.24	43	330040	124.101	ug/l	100
26) 2,2-Dichloropropane	4.20	77	119679	24.141	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	83929	23.687	ug/l	98
28) Bromochloromethane	4.52	49	75949	26.788	ug/l	97
29) Tetrahydrofuran	4.61	42	195650	120.899	ug/l	100
30) Chloroform	4.65	83	146226	23.339	ug/l	100
31) Cyclohexane	4.97	56	98068	21.747	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	119740	23.903	ug/l	98
36) 1,1-Dichloropropene	5.12	75	89180	23.147	ug/l	100
37) Ethyl Acetate	4.36	43	108875	23.901	ug/l	99
38) Carbon Tetrachloride	5.11	117	100873	24.521	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	93302	22.654	ug/l	98
40) Benzene	5.37	78	299222	24.069	ug/l	99
41) Methacrylonitrile	4.52	41	61885	25.505	ug/l	99
42) 1,2-Dichloroethane	5.38	62	105991	24.556	ug/l	99
43) Isopropyl Acetate	5.53	43	173531	24.420	ug/l	99
44) Trichloroethene	6.17	130	79675	23.160	ug/l	95
45) 1,2-Dichloropropane	6.41	63	88333	24.305	ug/l	97
46) Dibromomethane	6.54	93	56873	24.930	ug/l	98
47) Bromodichloromethane	6.73	83	115796	24.659	ug/l	98
48) Methyl methacrylate	6.60	41	79231	23.475	ug/l	95
49) 1,4-Dioxane	6.59	88	35653	483.753	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	609514	123.913	ug/l	99
52) Toluene	7.62	92	193668	24.833	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	119760	24.602	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	133456	24.979	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	88788	25.073	ug/l	99
56) Ethyl methacrylate	8.00	69	120731	24.136	ug/l	98
57) 1,3-Dichloropropane	8.22	76	141908	24.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	192551	115.370	ug/l	99
59) 2-Hexanone	8.34	43	466019	126.820	ug/l	99
60) Dibromochloromethane	8.45	129	96088	25.298	ug/l	99
61) 1,2-Dibromoethane	8.57	107	86179	24.864	ug/l	100
64) Tetrachloroethene	8.21	164	72547	23.497	ug/l	97
65) Chlorobenzene	9.10	112	222772	24.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	85777	24.893	ug/l	100
67) Ethyl Benzene	9.23	91	359796	24.372	ug/l	99
68) m/p-Xylenes	9.35	106	282576	50.831	ug/l	99
69) o-Xylene	9.76	106	136351	25.080	ug/l	100
70) Styrene	9.77	104	245615	25.768	ug/l	98
71) Bromoform	9.94	173	75126	25.157	ug/l #	99
73) Isopropylbenzene	10.14	105	376071	24.206	ug/l	100
74) N-amyl acetate	9.99	43	150997	24.145	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	151020	24.014	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	128482m	24.655	ug/l	
77) Bromobenzene	10.43	156	104593	24.076	ug/l	98
78) n-propylbenzene	10.57	91	439892	24.516	ug/l	99
79) 2-Chlorotoluene	10.64	91	268439	24.519	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	330196	25.412	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	36385m	23.480	ug/l	
82) 4-Chlorotoluene	10.75	91	309831	24.592	ug/l	99
83) tert-Butylbenzene	11.08	119	317879	24.455	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	329244	25.172	ug/l	99
85) sec-Butylbenzene	11.30	105	383700	25.003	ug/l	100
86) p-Isopropyltoluene	11.45	119	354845	25.052	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	194286	24.509	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	193800	23.439	ug/l	99
89) n-Butylbenzene	11.87	91	304644	24.750	ug/l	100
90) Hexachloroethane	12.12	117	53290	23.516	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	190712	24.479	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	28583	24.734	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	121077	23.401	ug/l	99
94) Hexachlorobutadiene	13.67	225	61978	22.743	ug/l	99
95) Naphthalene	13.72	128	316982	22.307	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	125122	24.355	ug/l	98

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

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