

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034513.D
 Acq On : 12 Sep 2019 12:19
 Operator : JC/SP
 Sample : VU0912WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:16:31 AM

Quant Time: Sep 13 07:36:05 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	245156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	349208	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	347896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	233816	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	196244	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	4.86	113	174567	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
50) Toluene-d8	7.54	98	651818	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
62) 4-Bromofluorobenzene	10.29	95	240902	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50075	19.530	ug/l	99
3) Chloromethane	1.32	50	59623	21.475	ug/l	99
4) Vinyl Chloride	1.40	62	61837	19.354	ug/l	99
5) Bromomethane	1.62	94	38838	21.528	ug/l	97
6) Chloroethane	1.69	64	41056	21.538	ug/l	94
7) Trichlorofluoromethane	1.88	101	90254	21.068	ug/l	100
8) Diethyl Ether	2.09	74	40045	21.251	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	59823	21.084	ug/l	98
10) Methyl Iodide	2.40	142	39589	17.924	ug/l	98
11) Tert butyl alcohol	2.81	59	91454	116.705	ug/l	97
12) 1,1-Dichloroethene	2.27	96	56314	21.113	ug/l	97
13) Acrolein	2.18	56	37276	56.596	ug/l	100
14) Allyl chloride	2.58	41	102477m	20.096	ug/l	
15) Acrylonitrile	2.92	53	218072	111.749	ug/l	99
16) Acetone	2.31	43	190566	99.277	ug/l	97
17) Carbon Disulfide	2.47	76	107004	17.849	ug/l	100
18) Methyl Acetate	2.60	43	99365	21.274	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	216045	22.222	ug/l	99
20) Methylene Chloride	2.69	84	72260	22.765	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	57590	20.489	ug/l	98
22) Diisopropyl ether	3.55	45	224655	22.591	ug/l	95
23) Vinyl Acetate	3.51	43	876680	108.226	ug/l	99
24) 1,1-Dichloroethane	3.43	63	127885	21.534	ug/l	100
25) 2-Butanone	4.24	43	278526	108.700	ug/l	99
26) 2,2-Dichloropropane	4.20	77	103621	21.694	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	74680	21.876	ug/l	97
28) Bromochloromethane	4.52	49	64381	23.569	ug/l	98
29) Tetrahydrofuran	4.62	42	170557	109.388	ug/l	99
30) Chloroform	4.65	83	132199	21.900	ug/l	100
31) Cyclohexane	4.97	56	85234	19.618	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	106594	22.086	ug/l	99
36) 1,1-Dichloropropene	5.12	75	78915	20.837	ug/l	99
37) Ethyl Acetate	4.36	43	96664	21.588	ug/l	99
38) Carbon Tetrachloride	5.11	117	90844	22.466	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	79015	19.517	ug/l	97
40) Benzene	5.37	78	270614	22.144	ug/l	99
41) Methacrylonitrile	4.52	41	54321	22.775	ug/l	99
42) 1,2-Dichloroethane	5.39	62	95215	22.441	ug/l	100
43) Isopropyl Acetate	5.53	43	152482	21.829	ug/l	99
44) Trichloroethene	6.17	130	73494	21.733	ug/l	97
45) 1,2-Dichloropropane	6.41	63	79001	22.114	ug/l	98
46) Dibromomethane	6.54	93	50938	22.715	ug/l	100
47) Bromodichloromethane	6.74	83	105309	22.814	ug/l	99
48) Methyl methacrylate	6.60	41	70386	21.216	ug/l	98
49) 1,4-Dioxane	6.59	88	30842	425.725	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	543581	112.424	ug/l	100
52) Toluene	7.62	92	170380	22.226	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	106403	22.237	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	116558	22.194	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	81000	23.270	ug/l	99
56) Ethyl methacrylate	8.00	69	102325	21.235	ug/l	100
57) 1,3-Dichloropropane	8.22	76	126295	22.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	164382	102.384	ug/l	100
59) 2-Hexanone	8.34	43	403081	111.592	ug/l	97
60) Dibromochloromethane	8.45	129	86335	23.124	ug/l	99
61) 1,2-Dibromoethane	8.57	107	77505	22.749	ug/l	98
64) Tetrachloroethene	8.21	164	66279	21.960	ug/l	96
65) Chlorobenzene	9.10	112	194250	22.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	76614	22.745	ug/l	100
67) Ethyl Benzene	9.23	91	312879	21.680	ug/l	98
68) m/p-Xylenes	9.35	106	246155	45.296	ug/l	99
69) o-Xylene	9.76	106	117482	22.106	ug/l	99
70) Styrene	9.77	104	214597	23.031	ug/l	99
71) Bromoform	9.94	173	67033	22.962	ug/l #	99
73) Isopropylbenzene	10.14	105	329006	21.622	ug/l	99
74) N-amyl acetate	9.99	43	126615	20.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	135771	22.044	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	113649m	22.268	ug/l	
77) Bromobenzene	10.43	156	91389	21.480	ug/l	99
78) n-propylbenzene	10.57	91	380639	21.660	ug/l	100
79) 2-Chlorotoluene	10.64	91	235743	21.986	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	286810	22.538	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	30235m	19.922	ug/l	
82) 4-Chlorotoluene	10.75	91	273566	22.170	ug/l	100
83) tert-Butylbenzene	11.08	119	276639	21.730	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	284234	22.188	ug/l	100
85) sec-Butylbenzene	11.30	105	328733	21.872	ug/l	100
86) p-Isopropyltoluene	11.45	119	301916	21.764	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	168269	21.674	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	174320	21.527	ug/l	99
89) n-Butylbenzene	11.87	91	253703	21.045	ug/l	100
90) Hexachloroethane	12.12	117	46325	20.873	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	169690	22.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	24796	21.909	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	98289	19.987	ug/l	100
94) Hexachlorobutadiene	13.67	225	53900	20.195	ug/l	96
95) Naphthalene	13.72	128	249671	18.717	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	100777	20.498	ug/l	99

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

