

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034165.D
 Acq On : 01 Sep 2019 13:46
 Operator : JC/SP
 Sample : VU0902WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:33:45 AM

Quant Time: Sep 02 08:53:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	397728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	616869	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	603196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	326863	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	248786	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	4.86	113	212310	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	7.54	98	806689	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	10.29	95	302687	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	79676	19.919	ug/l	99
3) Chloromethane	1.32	50	100712	17.494	ug/l	98
4) Vinyl Chloride	1.40	62	104395	19.609	ug/l	99
5) Bromomethane	1.62	94	53916	17.232	ug/l	100
6) Chloroethane	1.69	64	64031	19.673	ug/l	100
7) Trichlorofluoromethane	1.88	101	124808	20.233	ug/l	99
8) Diethyl Ether	2.09	74	52955	20.067	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	78439	20.072	ug/l	99
10) Methyl Iodide	2.40	142	51876	9.358	ug/l	99
11) Tert butyl alcohol	2.81	59	104166	88.635	ug/l	100
12) 1,1-Dichloroethene	2.27	96	80613	20.246	ug/l	99
13) Acrolein	2.18	56	28437	57.520	ug/l	98
14) Allyl chloride	2.58	41	147207m	19.664	ug/l	
15) Acrylonitrile	2.92	53	277133	102.765	ug/l	99
16) Acetone	2.31	43	239355	92.048	ug/l	98
17) Carbon Disulfide	2.47	76	226756	17.994	ug/l	100
18) Methyl Acetate	2.60	43	131152	19.518	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	272602	20.896	ug/l	99
20) Methylene Chloride	2.69	84	98816	20.073	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	87356	20.215	ug/l	99
22) Diisopropyl ether	3.55	45	292597	21.330	ug/l	93
23) Vinyl Acetate	3.50	43	1216136	103.202	ug/l	99
24) 1,1-Dichloroethane	3.43	63	168534	20.810	ug/l	99
25) 2-Butanone	4.24	43	361758	99.995	ug/l	100
26) 2,2-Dichloropropane	4.20	77	129465	19.646	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	99028	20.417	ug/l	97
28) Bromochloromethane	4.52	49	85047	21.314	ug/l	100
29) Tetrahydrofuran	4.62	42	233768	104.779	ug/l	98
30) Chloroform	4.65	83	164657	20.377	ug/l	99
31) Cyclohexane	4.97	56	144944	19.046	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	135527	20.479	ug/l	98
36) 1,1-Dichloropropene	5.12	75	115721	19.833	ug/l	99
37) Ethyl Acetate	4.36	43	133277	20.398	ug/l	100
38) Carbon Tetrachloride	5.11	117	115234	20.460	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	132860	19.319	ug/l	99
40) Benzene	5.37	78	368056	20.849	ug/l	99
41) Methacrylonitrile	4.52	41	70832	21.138	ug/l	99
42) 1,2-Dichloroethane	5.38	62	128313	21.049	ug/l	100
43) Isopropyl Acetate	5.53	43	201412	20.262	ug/l	99
44) Trichloroethene	6.17	130	96935	20.910	ug/l	100
45) 1,2-Dichloropropane	6.41	63	102913	21.178	ug/l	100
46) Dibromomethane	6.54	93	66718	21.310	ug/l	100
47) Bromodichloromethane	6.74	83	128168	20.924	ug/l	100
48) Methyl methacrylate	6.60	41	94547	19.711	ug/l	97
49) 1,4-Dioxane	6.59	88	40272	335.082	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	690953	100.650	ug/l	99
52) Toluene	7.62	92	231437	21.282	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	134810	19.835	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	152023	20.473	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	94840	20.618	ug/l	99
56) Ethyl methacrylate	8.00	69	133171	18.086	ug/l	99
57) 1,3-Dichloropropane	8.22	76	161971	20.738	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	232412	91.327	ug/l	100
59) 2-Hexanone	8.34	43	516889	99.740	ug/l	100
60) Dibromochloromethane	8.46	129	100491	20.352	ug/l	98
61) 1,2-Dibromoethane	8.57	107	96595	19.935	ug/l	97
64) Tetrachloroethene	8.21	164	85083	21.004	ug/l	99
65) Chlorobenzene	9.10	112	251626	20.271	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	87844	19.516	ug/l	99
67) Ethyl Benzene	9.23	91	422891	20.097	ug/l	99
68) m/p-Xylenes	9.36	106	324064	40.503	ug/l	99
69) o-Xylene	9.76	106	151457	19.731	ug/l	96
70) Styrene	9.77	104	274211	20.834	ug/l	100
71) Bromoform	9.94	173	74342	19.010	ug/l #	100
73) Isopropylbenzene	10.15	105	424604	19.340	ug/l	99
74) N-amyl acetate	9.99	43	171888	18.614	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	159588	18.991	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	140666m	19.094	ug/l	
77) Bromobenzene	10.43	156	112557	19.058	ug/l	97
78) n-propylbenzene	10.57	91	496159	19.405	ug/l	99
79) 2-Chlorotoluene	10.64	91	295860	19.291	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	368465	19.801	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	43307m	19.795	ug/l	
82) 4-Chlorotoluene	10.75	91	347551	19.705	ug/l	100
83) tert-Butylbenzene	11.08	119	338463	18.476	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	367894	19.910	ug/l	100
85) sec-Butylbenzene	11.30	105	419384	19.101	ug/l	99
86) p-Isopropyltoluene	11.46	119	387840	19.531	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	206835	19.782	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	209321	19.795	ug/l	99
89) n-Butylbenzene	11.87	91	336516	19.222	ug/l	100
90) Hexachloroethane	12.12	117	55760	16.241	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	200224	19.991	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31835	19.016	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	125230	18.301	ug/l	98
94) Hexachlorobutadiene	13.67	225	62911	16.056	ug/l	100
95) Naphthalene	13.72	128	342093	17.957	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	128117	19.968	ug/l	97

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

