

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034346.D
 Acq On : 06 Sep 2019 21:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:30:43 PM

Quant Time: Sep 07 04:49:51 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	313098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	458116	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	451570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	293455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	224606	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
35) Dibromofluoromethane	4.86	113	205733	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	7.55	98	794250	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	10.29	95	305218	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	141352	43.167	ug/l	99
3) Chloromethane	1.32	50	164701	46.549	ug/l	99
4) Vinyl Chloride	1.40	62	180148	44.149	ug/l	98
5) Bromomethane	1.61	94	112911	54.942	ug/l	100
6) Chloroethane	1.69	64	114761	48.355	ug/l	98
7) Trichlorofluoromethane	1.87	101	248982	45.508	ug/l	99
8) Diethyl Ether	2.09	74	115483	47.986	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	165461	45.660	ug/l	99
10) Methyl Iodide	2.40	142	158885	48.084	ug/l	99
11) Tert butyl alcohol	2.81	59	256618	256.410	ug/l	100
12) 1,1-Dichloroethene	2.27	96	159501	46.822	ug/l	97
13) Acrolein	2.18	56	129930	154.463	ug/l	99
14) Allyl chloride	2.58	41	295544m	45.380	ug/l	
15) Acrylonitrile	2.92	53	620058	248.794	ug/l	100
16) Acetone	2.31	43	485258	197.943	ug/l	99
17) Carbon Disulfide	2.47	76	320131	41.813	ug/l	100
18) Methyl Acetate	2.60	43	272404	45.666	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	625090	50.343	ug/l	100
20) Methylene Chloride	2.69	84	200736	49.992	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	166694	46.435	ug/l	98
22) Diisopropyl ether	3.55	45	625126	49.220	ug/l	98
23) Vinyl Acetate	3.50	43	2616426	252.908	ug/l	99
24) 1,1-Dichloroethane	3.43	63	353030	46.545	ug/l	100
25) 2-Butanone	4.24	43	793405	242.450	ug/l	98
26) 2,2-Dichloropropane	4.20	77	258660	42.402	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	214576	49.216	ug/l	97
28) Bromochloromethane	4.52	49	166209	47.643	ug/l	98
29) Tetrahydrofuran	4.61	42	500984	251.586	ug/l	98
30) Chloroform	4.65	83	352540	45.728	ug/l	100
31) Cyclohexane	4.97	56	254310	45.831	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	290505	47.130	ug/l	98
36) 1,1-Dichloropropene	5.12	75	232056	46.707	ug/l	99
37) Ethyl Acetate	4.36	43	281068	47.848	ug/l	99
38) Carbon Tetrachloride	5.11	117	245226	46.227	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	254485	47.915	ug/l	98
40) Benzene	5.37	78	758728	47.327	ug/l	99
41) Methacrylonitrile	4.52	41	159695	51.038	ug/l	98
42) 1,2-Dichloroethane	5.38	62	256574	46.096	ug/l	100
43) Isopropyl Acetate	5.53	43	450154	49.124	ug/l	99
44) Trichloroethene	6.17	130	215226	48.515	ug/l	100
45) 1,2-Dichloropropane	6.41	63	223035	47.589	ug/l	98
46) Dibromomethane	6.54	93	138845	47.196	ug/l	98
47) Bromodichloromethane	6.74	83	284728	47.019	ug/l	98
48) Methyl methacrylate	6.60	41	213536	49.062	ug/l	99
49) 1,4-Dioxane	6.59	88	106093	1116.304	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1552596	244.772	ug/l	99
52) Toluene	7.62	92	489221	48.646	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	298139	47.494	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	336270	48.808	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	216205	47.346	ug/l	98
56) Ethyl methacrylate	8.00	69	327503	47.378	ug/l	99
57) 1,3-Dichloropropane	8.22	76	356222	47.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	537086	230.227	ug/l	100
59) 2-Hexanone	8.34	43	1171331	247.190	ug/l	98
60) Dibromochloromethane	8.46	129	239400	48.877	ug/l	98
61) 1,2-Dibromoethane	8.57	107	216725	48.489	ug/l	100
64) Tetrachloroethene	8.21	164	192105	49.036	ug/l	96
65) Chlorobenzene	9.10	112	571529	49.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	210776	48.208	ug/l	99
67) Ethyl Benzene	9.23	91	960826	51.293	ug/l	99
68) m/p-Xylenes	9.35	106	736890	104.467	ug/l	100
69) o-Xylene	9.76	106	362856	52.601	ug/l	100
70) Styrene	9.77	104	653775	54.055	ug/l	99
71) Bromoform	9.94	173	187234	49.412	ug/l #	99
73) Isopropylbenzene	10.14	105	998647	52.292	ug/l	99
74) N-amyl acetate	9.99	43	417145	54.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	372094	48.135	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	326979m	51.046	ug/l	
77) Bromobenzene	10.43	156	271236	50.795	ug/l	97
78) n-propylbenzene	10.57	91	1144942	51.912	ug/l	99
79) 2-Chlorotoluene	10.64	91	686991	51.049	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	854447	53.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	91292m	47.928	ug/l	
82) 4-Chlorotoluene	10.75	91	797757	51.512	ug/l	99
83) tert-Butylbenzene	11.08	119	849825	53.187	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	866529	53.897	ug/l	100
85) sec-Butylbenzene	11.30	105	1002825	53.163	ug/l	99
86) p-Isopropyltoluene	11.45	119	929833	53.407	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	494404	50.739	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	497464	48.947	ug/l	100
89) n-Butylbenzene	11.87	91	809259	53.487	ug/l	100
90) Hexachloroethane	12.12	117	132873	47.702	ug/l	95
91) 1,2-Dichlorobenzene	11.86	146	482398	50.374	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	73957	52.065	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	341845	49.274	ug/l	99
94) Hexachlorobutadiene	13.67	225	156662	46.768	ug/l	99
95) Naphthalene	13.72	128	996525	50.876	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	337544	50.300	ug/l	99

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

