

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090419\
 Data File : VU034241.D
 Acq On : 03 Sep 2019 20:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 2:08:11 PM

Quant Time: Sep 04 07:04:29 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	383937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	614612	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	589148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	329474	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	231357	47.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.06%	
35) Dibromofluoromethane	4.86	113	202090	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.82%	
50) Toluene-d8	7.55	98	773547	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.29	95	298746	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	172426	44.655	ug/l	100
3) Chloromethane	1.32	50	218876	42.114	ug/l	100
4) Vinyl Chloride	1.40	62	231088	44.966	ug/l	100
5) Bromomethane	1.61	94	127408	51.701	ug/l	99
6) Chloroethane	1.69	64	140100	44.591	ug/l	99
7) Trichlorofluoromethane	1.88	101	284180	47.723	ug/l	98
8) Diethyl Ether	2.09	74	125731	49.356	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	176892	46.891	ug/l	98
10) Methyl Iodide	2.40	142	162867	30.435	ug/l	100
11) Tert butyl alcohol	2.81	59	234491	206.696	ug/l	99
12) 1,1-Dichloroethene	2.27	96	180611	46.990	ug/l	100
13) Acrolein	2.18	56	77701	162.813	ug/l	98
14) Allyl chloride	2.58	41	336537m	46.569	ug/l	
15) Acrylonitrile	2.92	53	648792	249.223	ug/l	100
16) Acetone	2.31	43	515726	205.455	ug/l	98
17) Carbon Disulfide	2.47	76	487623	40.085	ug/l	99
18) Methyl Acetate	2.60	43	309021	47.639	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	645839	51.283	ug/l	100
20) Methylene Chloride	2.69	84	225442	47.441	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	196022	46.992	ug/l	99
22) Diisopropyl ether	3.55	45	682656	51.552	ug/l	98
23) Vinyl Acetate	3.50	43	2852837	250.790	ug/l	100
24) 1,1-Dichloroethane	3.43	63	386891	49.487	ug/l	100
25) 2-Butanone	4.24	43	844361	241.777	ug/l	99
26) 2,2-Dichloropropane	4.20	77	281936	44.319	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	228378	48.777	ug/l	99
28) Bromochloromethane	4.52	49	198142	51.442	ug/l	99
29) Tetrahydrofuran	4.61	42	540166	250.808	ug/l	99
30) Chloroform	4.65	83	376576	48.277	ug/l	97
31) Cyclohexane	4.97	56	320984	43.694	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	314715	49.263	ug/l	99
36) 1,1-Dichloropropene	5.12	75	266766	45.888	ug/l	99
37) Ethyl Acetate	4.36	43	308281	47.355	ug/l	99
38) Carbon Tetrachloride	5.11	117	267474	47.665	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	309446	45.162	ug/l	99
40) Benzene	5.37	78	843607	47.963	ug/l	99
41) Methacrylonitrile	4.52	41	171442	51.350	ug/l	99
42) 1,2-Dichloroethane	5.38	62	286831	47.225	ug/l	98
43) Isopropyl Acetate	5.53	43	480151	48.480	ug/l	100
44) Trichloroethene	6.17	130	231896	50.207	ug/l	98
45) 1,2-Dichloropropane	6.41	63	240793	49.732	ug/l	99
46) Dibromomethane	6.54	93	152005	48.729	ug/l	99
47) Bromodichloromethane	6.74	83	301143	49.344	ug/l	100
48) Methyl methacrylate	6.60	41	231091	48.354	ug/l	97
49) 1,4-Dioxane	6.59	88	81660	681.946	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1634996	239.042	ug/l	99
52) Toluene	7.62	92	536693	49.533	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	325028	47.997	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	356496	48.187	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	228288	49.810	ug/l	99
56) Ethyl methacrylate	8.00	69	334976	44.178	ug/l	99
57) 1,3-Dichloropropane	8.22	76	377721	48.538	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	572135	225.647	ug/l	99
59) 2-Hexanone	8.34	43	1232836	238.764	ug/l	99
60) Dibromochloromethane	8.46	129	242993	49.392	ug/l	99
61) 1,2-Dibromoethane	8.57	107	228306	47.289	ug/l	98
64) Tetrachloroethene	8.21	164	205834	52.024	ug/l	99
65) Chlorobenzene	9.10	112	594027	48.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	210977	47.990	ug/l	99
67) Ethyl Benzene	9.23	91	1021107	49.684	ug/l	99
68) m/p-Xylenes	9.35	106	788704	100.926	ug/l	100
69) o-Xylene	9.76	106	378544	50.491	ug/l	100
70) Styrene	9.77	104	674100	52.439	ug/l	99
71) Bromoform	9.94	173	183654	48.081	ug/l #	99
73) Isopropylbenzene	10.15	105	1025352	46.332	ug/l	100
74) N-amyl acetate	9.99	43	435301	46.767	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	377180	44.529	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	315709m	42.515	ug/l	
77) Bromobenzene	10.43	156	273229	45.896	ug/l	99
78) n-propylbenzene	10.57	91	1209786	46.940	ug/l	100
79) 2-Chlorotoluene	10.64	91	708208	45.812	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	892183	47.565	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	94432m	42.821	ug/l	
82) 4-Chlorotoluene	10.75	91	830919	46.736	ug/l	100
83) tert-Butylbenzene	11.08	119	844972	45.761	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	904478	48.561	ug/l	100
85) sec-Butylbenzene	11.30	105	1020640	46.118	ug/l	100
86) p-Isopropyltoluene	11.46	119	940610	46.993	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	489552	46.450	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	492573	46.213	ug/l	100
89) n-Butylbenzene	11.87	91	841790	47.701	ug/l	100
90) Hexachloroethane	12.12	117	134751	38.939	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	483176	47.859	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	75540	44.765	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	333322	46.497	ug/l	99
94) Hexachlorobutadiene	13.67	225	160199	40.563	ug/l	99
95) Naphthalene	13.72	128	941055	45.911	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	329324	50.921	ug/l	99

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

