

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028378.D
 Acq On : 28 Nov 2018 20:09
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:23:26 PM

Quant Time: Nov 29 07:07:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	243169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	439373	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	408286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	194666	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	202286	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
35) Dibromofluoromethane	4.88	113	142950	48.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.86%	
50) Toluene-d8	7.57	98	580577	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	10.30	95	211359	50.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.38%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	169878	52.077	ug/l	100
3) Chloromethane	1.33	50	310125	49.048	ug/l	99
4) Vinyl Chloride	1.40	62	228271	51.599	ug/l	100
5) Bromomethane	1.60	94	77934	45.548	ug/l	100
6) Chloroethane	1.68	64	129170	50.742	ug/l	95
7) Trichlorofluoromethane	1.88	101	231614	50.403	ug/l	99
8) Diethyl Ether	2.10	74	106171	49.702	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	140007	52.302	ug/l	99
10) Methyl Iodide	2.41	142	147354	58.374	ug/l	99
11) Tert butyl alcohol	2.83	59	242375	262.521	ug/l	99
12) 1,1-Dichloroethene	2.28	96	136030	52.364	ug/l	99
13) Acrolein	2.19	56	207743	253.100	ug/l	100
14) Allyl chloride	2.59	41	336804	49.623	ug/l	99
15) Acrylonitrile	2.94	53	656697	268.895	ug/l	99
16) Acetone	2.32	43	549338	220.970	ug/l	100
17) Carbon Disulfide	2.47	76	481541	48.293	ug/l	100
18) Methyl Acetate	2.61	43	369086	53.323	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	555337	52.143	ug/l	99
20) Methylene Chloride	2.70	84	178909	51.024	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	153947	51.098	ug/l	98
22) Diisopropyl ether	3.57	45	704430	52.717	ug/l	99
23) Vinyl Acetate	3.52	43	2947097	265.333	ug/l	99
24) 1,1-Dichloroethane	3.44	63	349940	53.116	ug/l	99
25) 2-Butanone	4.26	43	911810	255.920	ug/l	99
26) 2,2-Dichloropropane	4.22	77	248547	47.503	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	181922	51.058	ug/l	97
28) Bromochloromethane	4.55	49	170042	51.618	ug/l	100
29) Tetrahydrofuran	4.63	42	623278	269.438	ug/l	99
30) Chloroform	4.67	83	304686	50.104	ug/l	99
31) Cyclohexane	4.99	56	343094	50.736	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	252502	51.746	ug/l	99
36) 1,1-Dichloropropene	5.13	75	237045	49.302	ug/l	99
37) Ethyl Acetate	4.38	43	344317	52.550	ug/l	100
38) Carbon Tetrachloride	5.13	117	196725	49.826	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	287394	50.698	ug/l	97
40) Benzene	5.39	78	732618	51.447	ug/l	100
41) Methacrylonitrile	4.54	41	194022	53.321	ug/l	96
42) 1,2-Dichloroethane	5.40	62	259459	50.577	ug/l	99
43) Isopropyl Acetate	5.55	43	552764	53.238	ug/l	99
44) Trichloroethene	6.18	130	155314	50.883	ug/l	96
45) 1,2-Dichloropropane	6.43	63	212148	50.873	ug/l	98
46) Dibromomethane	6.56	93	120831	50.445	ug/l	99
47) Bromodichloromethane	6.76	83	237840	49.920	ug/l	98
48) Methyl methacrylate	6.62	41	280247	51.816	ug/l	98
49) 1,4-Dioxane	6.61	88	93237	1079.106	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1750411	263.956	ug/l	99
52) Toluene	7.64	92	426564	52.019	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	281926	49.486	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	307221	50.336	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	173322	50.786	ug/l	98
56) Ethyl methacrylate	8.02	69	309014	53.224	ug/l	98
57) 1,3-Dichloropropane	8.24	76	316947	50.642	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	817278	262.190	ug/l	100
59) 2-Hexanone	8.36	43	1349698	262.754	ug/l	100
60) Dibromochloromethane	8.48	129	162706	50.128	ug/l	100
61) 1,2-Dibromoethane	8.58	107	179786	51.436	ug/l	96
64) Tetrachloroethene	8.22	164	132172	49.214	ug/l	98
65) Chlorobenzene	9.12	112	431895	50.945	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	146008	50.244	ug/l	99
67) Ethyl Benzene	9.25	91	822524	51.513	ug/l	100
68) m/p-Xylenes	9.37	106	594540	103.450	ug/l	99
69) o-Xylene	9.78	106	293435	51.361	ug/l	99
70) Styrene	9.79	104	487799	52.940	ug/l	100
71) Bromoform	9.96	173	124462	50.956	ug/l #	100
73) Isopropylbenzene	10.16	105	773380	51.081	ug/l	100
74) N-amyl acetate	10.01	43	493873	52.064	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	319064	51.247	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	282944m	52.414	ug/l	
77) Bromobenzene	10.45	156	179919	50.433	ug/l	98
78) n-propylbenzene	10.58	91	956020	51.186	ug/l	100
79) 2-Chlorotoluene	10.66	91	567120	51.508	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	654669	51.312	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	99403m	48.880	ug/l	
82) 4-Chlorotoluene	10.77	91	649824	51.225	ug/l	99
83) tert-Butylbenzene	11.10	119	625272	52.573	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	665775	51.519	ug/l	100
85) sec-Butylbenzene	11.32	105	793272	51.352	ug/l	100
86) p-Isopropyltoluene	11.48	119	658097	51.810	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	324116	49.813	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	327610	50.029	ug/l	99
89) n-Butylbenzene	11.89	91	649201	51.787	ug/l	100
90) Hexachloroethane	12.14	117	97776	49.305	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	333977	51.446	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	70090	50.611	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	212803	50.079	ug/l	100
94) Hexachlorobutadiene	13.69	225	98975	49.327	ug/l	98
95) Naphthalene	13.74	128	782597	47.893	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	223042	51.898	ug/l	100

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

