

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090419\
 Data File : VU034213.D
 Acq On : 03 Sep 2019 09:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 4:56:49 PM

Quant Time: Sep 04 04:40:51 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	426414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	646240	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	613591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	333629	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	259586	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
35) Dibromofluoromethane	4.86	113	226150	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	7.55	98	868767	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	10.29	95	323499	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	198238	46.225	ug/l	98
3) Chloromethane	1.32	50	241873	41.892	ug/l	99
4) Vinyl Chloride	1.40	62	246394	43.168	ug/l	98
5) Bromomethane	1.61	94	133010	48.203	ug/l	98
6) Chloroethane	1.69	64	151064	43.291	ug/l	99
7) Trichlorofluoromethane	1.87	101	305455	46.186	ug/l	98
8) Diethyl Ether	2.09	74	132269	46.751	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	200582	47.874	ug/l	98
10) Methyl Iodide	2.40	142	193562	32.568	ug/l	100
11) Tert butyl alcohol	2.81	59	221159	175.525	ug/l	99
12) 1,1-Dichloroethene	2.27	96	195080	45.699	ug/l	99
13) Acrolein	2.18	56	75186	141.849	ug/l	100
14) Allyl chloride	2.58	41	358655m	44.686	ug/l	
15) Acrylonitrile	2.92	53	607112	209.981	ug/l	100
16) Acetone	2.31	43	655570	235.150	ug/l	100
17) Carbon Disulfide	2.46	76	541148	40.054	ug/l	99
18) Methyl Acetate	2.60	43	290756	40.358	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	664796	47.530	ug/l	100
20) Methylene Chloride	2.68	84	237070	44.919	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	211390	45.628	ug/l	99
22) Diisopropyl ether	3.55	45	716774	48.736	ug/l	97
23) Vinyl Acetate	3.50	43	2890147	228.760	ug/l	100
24) 1,1-Dichloroethane	3.42	63	407357	46.914	ug/l	100
25) 2-Butanone	4.23	43	857331	221.037	ug/l	100
26) 2,2-Dichloropropane	4.20	77	328389	46.479	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	239715	46.098	ug/l	99
28) Bromochloromethane	4.52	49	201769	47.165	ug/l	100
29) Tetrahydrofuran	4.61	42	499489	208.818	ug/l	99
30) Chloroform	4.65	83	398130	45.956	ug/l	99
31) Cyclohexane	4.97	56	349304	42.812	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	331234	46.684	ug/l	99
36) 1,1-Dichloropropene	5.11	75	291294	47.655	ug/l	100
37) Ethyl Acetate	4.36	43	292781	42.773	ug/l	99
38) Carbon Tetrachloride	5.11	117	284756	48.262	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	339263	47.090	ug/l	97
40) Benzene	5.37	78	895636	48.429	ug/l	100
41) Methacrylonitrile	4.52	41	161608	46.036	ug/l	99
42) 1,2-Dichloroethane	5.38	62	302881	47.427	ug/l	98
43) Isopropyl Acetate	5.53	43	462123	44.377	ug/l	100
44) Trichloroethene	6.16	130	239298	49.274	ug/l	99
45) 1,2-Dichloropropane	6.41	63	251544	49.410	ug/l	99
46) Dibromomethane	6.54	93	156617	47.751	ug/l	99
47) Bromodichloromethane	6.74	83	320454	49.938	ug/l	99
48) Methyl methacrylate	6.60	41	222649	44.307	ug/l	97
49) 1,4-Dioxane	6.59	88	91307	725.190	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1539582	214.076	ug/l	99
52) Toluene	7.62	92	566662	49.739	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	337222	47.361	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	380862	48.960	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	234219	48.603	ug/l	99
56) Ethyl methacrylate	8.00	69	335405	42.116	ug/l	99
57) 1,3-Dichloropropane	8.22	76	387348	47.339	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	553327	207.549	ug/l	99
59) 2-Hexanone	8.34	43	1195680	220.234	ug/l	100
60) Dibromochloromethane	8.46	129	252741	48.859	ug/l	98
61) 1,2-Dibromoethane	8.57	107	232162	45.734	ug/l	99
64) Tetrachloroethene	8.21	164	214089	51.955	ug/l	98
65) Chlorobenzene	9.10	112	615491	48.744	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	223457	48.804	ug/l	99
67) Ethyl Benzene	9.23	91	1066535	49.827	ug/l	100
68) m/p-Xylenes	9.36	106	836456	102.773	ug/l	99
69) o-Xylene	9.76	106	393895	50.445	ug/l	99
70) Styrene	9.77	104	703511	52.546	ug/l	100
71) Bromoform	9.94	173	186437	46.865	ug/l #	99
73) Isopropylbenzene	10.15	105	1071331	47.807	ug/l	99
74) N-amyl acetate	10.00	43	419921	44.553	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	365598	42.624	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	314945m	41.884	ug/l	
77) Bromobenzene	10.43	156	279607	46.383	ug/l	98
78) n-propylbenzene	10.57	91	1276428	48.909	ug/l	100
79) 2-Chlorotoluene	10.64	91	743102	47.471	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	937275	49.347	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	99132m	44.392	ug/l	
82) 4-Chlorotoluene	10.75	91	872002	48.436	ug/l	100
83) tert-Butylbenzene	11.08	119	882765	47.212	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	941112	49.899	ug/l	99
85) sec-Butylbenzene	11.31	105	1083105	48.331	ug/l	100
86) p-Isopropyltoluene	11.46	119	999858	49.331	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	515323	48.286	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	518493	48.039	ug/l	99
89) n-Butylbenzene	11.87	91	909924	50.920	ug/l	100
90) Hexachloroethane	12.13	117	148980	42.514	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	495866	48.504	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	70232	41.101	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	343300	47.273	ug/l	100
94) Hexachlorobutadiene	13.67	225	176771	44.201	ug/l	99
95) Naphthalene	13.72	128	861086	41.659	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	327530	50.013	ug/l	100

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

