

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026682.D
 Acq On : 11 Sep 2018 13:13
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU091218

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 4:48:57 PM

Quant Time: Sep 12 05:42:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	116202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	174656	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	166586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	102193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84143	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	4.88	113	68960	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	7.57	98	259985	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	10.31	95	96113	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61255	48.79	ug/l	99
3) Chloromethane	1.33	50	83088	47.37	ug/l	100
4) Vinyl Chloride	1.40	62	87750	48.28	ug/l	99
5) Bromomethane	1.61	94	50434	44.30	ug/l	99
6) Chloroethane	1.69	64	54251	46.90	ug/l	97
7) Trichlorofluoromethane	1.88	101	115617	48.66	ug/l	99
8) Diethyl Ether	2.10	74	50232	48.24	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	69338	49.13	ug/l	99
10) Methyl Iodide	2.41	142	62834	48.90	ug/l	99
11) Tert butyl alcohol	2.83	59	97628	227.22	ug/l	99
12) 1,1-Dichloroethene	2.28	96	64741	48.53	ug/l	98
13) Acrolein	2.19	56	61862	213.65	ug/l	99
14) Allyl chloride	2.59	41	112773	46.94	ug/l	100
15) Acrylonitrile	2.93	53	223119	242.14	ug/l	99
16) Acetone	2.32	43	233736	234.20	ug/l	99
17) Carbon Disulfide	2.48	76	203625	47.97	ug/l	100
18) Methyl Acetate	2.61	43	102828	47.75	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	229619	49.99	ug/l	99
20) Methylene Chloride	2.70	84	75171	46.44	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	69119	49.18	ug/l	99
22) Diisopropyl ether	3.57	45	250830	50.02	ug/l	98
23) Vinyl Acetate	3.52	43	1078340	253.15	ug/l	99
24) 1,1-Dichloroethane	3.44	63	137104	48.47	ug/l	100
25) 2-Butanone	4.26	43	324435	241.33	ug/l	99
26) 2,2-Dichloropropane	4.23	77	117312	50.45	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	80739	49.85	ug/l	100
28) Bromochloromethane	4.55	49	66135	48.89	ug/l	99
29) Tetrahydrofuran	4.64	42	191398	236.15	ug/l	99
30) Chloroform	4.67	83	134629	48.40	ug/l	97
31) Cyclohexane	5.00	56	127339	49.28	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	114653	49.78	ug/l	99
36) 1,1-Dichloropropene	5.14	75	102120	52.08	ug/l	100
37) Ethyl Acetate	4.38	43	114313	48.48	ug/l	99
38) Carbon Tetrachloride	5.13	117	103106	49.77	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	124858	53.63	ug/l	99
40) Benzene	5.39	78	304996	50.08	ug/l	99
41) Methacrylonitrile	4.54	41	62412	47.01	ug/l	98
42) 1,2-Dichloroethane	5.40	62	107531	49.52	ug/l	100
43) Isopropyl Acetate	5.55	43	182317	50.78	ug/l	100
44) Trichloroethene	6.19	130	77008	51.09	ug/l	100
45) 1,2-Dichloropropane	6.43	63	84677	51.15	ug/l	99
46) Dibromomethane	6.56	93	53597	50.17	ug/l	97
47) Bromodichloromethane	6.76	83	105818	50.30	ug/l	100
48) Methyl methacrylate	6.62	41	92738	47.31	ug/l	99
49) 1,4-Dioxane	6.61	88	43910	976.73	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	594512	247.54	ug/l	100
52) Toluene	7.64	92	187136	51.59	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	123093	52.75	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	130919	52.25	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	76721	49.36	ug/l	98
56) Ethyl methacrylate	8.02	69	122837	47.09	ug/l	98
57) 1,3-Dichloropropane	8.24	76	134351	50.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	285478	229.72	ug/l	100
59) 2-Hexanone	8.36	43	474701	251.15	ug/l	99
60) Dibromochloromethane	8.48	129	85818	50.98	ug/l	99
61) 1,2-Dibromoethane	8.59	107	84411	50.06	ug/l	99
64) Tetrachloroethene	8.23	164	68362	51.56	ug/l	99
65) Chlorobenzene	9.12	112	211406	51.08	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	77359	50.80	ug/l	99
67) Ethyl Benzene	9.25	91	365707	53.64	ug/l	100
68) m/p-Xylenes	9.38	106	283480	109.30	ug/l	100
69) o-Xylene	9.78	106	136769	49.37	ug/l	100
70) Styrene	9.79	104	229442	49.19	ug/l	99
71) Bromoform	9.96	173	68770	51.92	ug/l #	100
73) Isopropylbenzene	10.17	105	370959	53.27	ug/l	100
74) N-amyl acetate	10.02	43	173544	52.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	132773	46.78	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	106144m	46.37	ug/l	
77) Bromobenzene	10.45	156	95279	50.34	ug/l	99
78) n-propylbenzene	10.59	91	446149	55.08	ug/l	100
79) 2-Chlorotoluene	10.66	91	257847	51.36	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	313606	53.58	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	38313m	54.05	ug/l	
82) 4-Chlorotoluene	10.77	91	305120	54.09	ug/l	100
83) tert-Butylbenzene	11.10	119	315376	53.09	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	321896	54.52	ug/l	100
85) sec-Butylbenzene	11.33	105	386024	54.72	ug/l	100
86) p-Isopropyltoluene	11.48	119	343964	50.70	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	177385	50.24	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	178908	48.79	ug/l	100
89) n-Butylbenzene	11.89	91	316159	50.78	ug/l	99
90) Hexachloroethane	12.15	117	62563	50.26	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	177405	49.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28597	50.26	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	131198	55.62	ug/l	100
94) Hexachlorobutadiene	13.69	225	65461	53.95	ug/l	99
95) Naphthalene	13.74	128	406694	51.23	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	135077	54.83	ug/l	99

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

