

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025342.D
 Acq On : 12 Jul 2018 16:19
 Operator : MD/SY
 Sample : VU0712WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:16 AM

Quant Time: Jul 13 01:41:43 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	168831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	256753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	238144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	137952	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	125429	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
35) Dibromofluoromethane	4.89	113	102465	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
50) Toluene-d8	7.57	98	332066	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
62) 4-Bromofluorobenzene	10.31	95	135911	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	32401	18.544	ug/l	99
3) Chloromethane	1.33	50	33239	19.442	ug/l	99
4) Vinyl Chloride	1.40	62	36288	18.900	ug/l	99
5) Bromomethane	1.62	94	23135	20.445	ug/l	95
6) Chloroethane	1.70	64	24952	20.607	ug/l	95
7) Trichlorofluoromethane	1.89	101	60870	20.172	ug/l	97
8) Diethyl Ether	2.10	74	23095	20.395	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37737	20.181	ug/l	98
10) Methyl Iodide	2.41	142	36186	22.330	ug/l	99
11) Tert butyl alcohol	2.83	59	60474	105.685	ug/l	98
12) 1,1-Dichloroethene	2.28	96	34102	19.927	ug/l	98
13) Acrolein	2.20	56	18770	49.584	ug/l	94
14) Allyl chloride	2.59	41	59032	19.020	ug/l	98
15) Acrylonitrile	2.94	53	122987	104.542	ug/l	99
16) Acetone	2.32	43	137324	105.467	ug/l	99
17) Carbon Disulfide	2.48	76	79607	17.234	ug/l	98
18) Methyl Acetate	2.62	43	61517	22.907	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	141344	21.713	ug/l	100
20) Methylene Chloride	2.70	84	42751	21.468	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	37437	19.142	ug/l	99
22) Diisopropyl ether	3.57	45	137302	21.662	ug/l	96
23) Vinyl Acetate	3.53	43	579400	104.203	ug/l	99
24) 1,1-Dichloroethane	3.45	63	76888	21.509	ug/l	99
25) 2-Butanone	4.26	43	188387	103.620	ug/l	100
26) 2,2-Dichloropropane	4.23	77	70099	20.395	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	46467	20.535	ug/l	100
28) Bromochloromethane	4.55	49	36651	21.233	ug/l	98
29) Tetrahydrofuran	4.64	42	114369	104.878	ug/l	98
30) Chloroform	4.68	83	81520	21.534	ug/l	100
31) Cyclohexane	5.00	56	65771	20.301	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	73062	21.296	ug/l	100
36) 1,1-Dichloropropene	5.14	75	54072	18.943	ug/l	99
37) Ethyl Acetate	4.38	43	67091	21.076	ug/l	99
38) Carbon Tetrachloride	5.14	117	60957	19.841	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	65285	18.336	ug/l	98
40) Benzene	5.39	78	166077	20.190	ug/l	98
41) Methacrylonitrile	4.54	41	36810	20.856	ug/l	98
42) 1,2-Dichloroethane	5.41	62	68778	21.034	ug/l	100
43) Isopropyl Acetate	5.55	43	106419	20.876	ug/l	100
44) Trichloroethene	6.19	130	45764	19.376	ug/l	100
45) 1,2-Dichloropropane	6.44	63	44969	20.872	ug/l	99
46) Dibromomethane	6.56	93	31338	19.987	ug/l	99
47) Bromodichloromethane	6.76	83	58443	20.065	ug/l	98
48) Methyl methacrylate	6.63	41	53240	20.950	ug/l	99
49) 1,4-Dioxane	6.62	88	26204	428.517	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	344481	103.969	ug/l	99
52) Toluene	7.64	92	106451	20.341	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	62840	19.636	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	66925	19.650	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	44141	20.252	ug/l	97
56) Ethyl methacrylate	8.02	69	67919	19.952	ug/l	98
57) 1,3-Dichloropropane	8.25	76	74727	20.653	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	124366	82.085	ug/l	100
59) 2-Hexanone	8.36	43	272169	101.271	ug/l	99
60) Dibromochloromethane	8.48	129	46752	19.862	ug/l	99
61) 1,2-Dibromoethane	8.59	107	48320	20.719	ug/l	98
64) Tetrachloroethene	8.23	164	43001	19.809	ug/l	98
65) Chlorobenzene	9.12	112	119029	20.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	44578	20.948	ug/l	97
67) Ethyl Benzene	9.25	91	205592	20.271	ug/l	99
68) m/p-Xylenes	9.38	106	158816	40.503	ug/l	97
69) o-Xylene	9.78	106	80205	20.431	ug/l	97
70) Styrene	9.80	104	127728	20.483	ug/l	100
71) Bromoform	9.96	173	34978	20.034	ug/l #	100
73) Isopropylbenzene	10.17	105	219342	20.810	ug/l	99
74) N-amyl acetate	10.01	43	88920	21.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	73349	21.271	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	61583m	22.129	ug/l	
77) Bromobenzene	10.45	156	55480	20.574	ug/l	98
78) n-propylbenzene	10.59	91	238335	20.377	ug/l	100
79) 2-Chlorotoluene	10.66	91	147351	22.022	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	184856	20.843	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	21234m	19.321	ug/l	
82) 4-Chlorotoluene	10.78	91	164989	19.922	ug/l	100
83) tert-Butylbenzene	11.10	119	186036	20.757	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	185575	20.416	ug/l	100
85) sec-Butylbenzene	11.33	105	217431	20.604	ug/l	100
86) p-Isopropyltoluene	11.48	119	189776	20.310	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	97022	19.688	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	97275	21.095	ug/l	97
89) n-Butylbenzene	11.89	91	143001	18.617	ug/l	100
90) Hexachloroethane	12.15	117	29784	18.825	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	101631	20.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17430	20.840	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	59969	20.096	ug/l	100
94) Hexachlorobutadiene	13.70	225	34040	19.123	ug/l	98
95) Naphthalene	13.75	128	187815	20.061	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	62426	20.045	ug/l	99

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

