

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027191.D
 Acq On : 26 Sep 2018 21:17
 Operator : MD/SY
 Sample : VU0926WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0926WBS03

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:23 PM

Quant Time: Sep 27 02:53:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	73530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	129950	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	125077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66796	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	82043	55.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.88%		
35) Dibromofluoromethane	4.88	113	57614	51.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.30%		
50) Toluene-d8	7.57	98	216837	50.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.02%		
62) 4-Bromofluorobenzene	10.31	95	75778	51.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.88%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	15436	16.079	ug/l	95
3) Chloromethane	1.33	50	24710	14.929	ug/l	98
4) Vinyl Chloride	1.40	62	26417	17.098	ug/l	99
5) Bromomethane	1.62	94	10389	11.808	ug/l	95
6) Chloroethane	1.70	64	17261	17.485	ug/l	99
7) Trichlorofluoromethane	1.88	101	31448	17.921	ug/l	97
8) Diethyl Ether	2.11	74	15409	18.243	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	19126	17.726	ug/l	98
10) Methyl Iodide	2.41	142	7681	5.740	ug/l	98
11) Tert butyl alcohol	2.83	59	34863	102.778	ug/l	100
12) 1,1-Dichloroethene	2.28	96	18039	17.763	ug/l	95
13) Acrolein	2.20	56	13536	74.026	ug/l	95
14) Allyl chloride	2.59	41	41408	20.103	ug/l	96
15) Acrylonitrile	2.94	53	94382	110.397	ug/l	99
16) Acetone	2.32	43	84303	97.093	ug/l	98
17) Carbon Disulfide	2.48	76	52719	15.935	ug/l	98
18) Methyl Acetate	2.62	43	50068	23.769	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	78297	20.980	ug/l	99
20) Methylene Chloride	2.70	84	25118	18.952	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	20390	18.805	ug/l	99
22) Diisopropyl ether	3.58	45	98623	22.385	ug/l	97
23) Vinyl Acetate	3.53	43	409595	109.065	ug/l	98
24) 1,1-Dichloroethane	3.45	63	49617	20.448	ug/l	99
25) 2-Butanone	4.27	43	133179	107.083	ug/l	99
26) 2,2-Dichloropropane	4.23	77	29240	15.452	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	25240	20.612	ug/l	98
28) Bromochloromethane	4.55	49	27684	23.668	ug/l	94
29) Tetrahydrofuran	4.64	42	87053	115.707	ug/l	95
30) Chloroform	4.68	83	45964	20.407	ug/l	99
31) Cyclohexane	5.00	56	41899	18.635	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	36028	20.034	ug/l	99
36) 1,1-Dichloropropene	5.14	75	31031	17.892	ug/l	99
37) Ethyl Acetate	4.39	43	47439	20.205	ug/l	98
38) Carbon Tetrachloride	5.14	117	30354	18.391	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	31987	16.972	ug/l	98
40) Benzene	5.39	78	97223	18.440	ug/l	99
41) Methacrylonitrile	4.55	41	27475	22.533	ug/l	97
42) 1,2-Dichloroethane	5.41	62	39798	19.979	ug/l	99
43) Isopropyl Acetate	5.55	43	74275	21.692	ug/l	98
44) Trichloroethene	6.19	130	20766	18.501	ug/l	96
45) 1,2-Dichloropropane	6.43	63	29703	19.772	ug/l	97
46) Dibromomethane	6.56	93	17280	19.046	ug/l	100
47) Bromodichloromethane	6.76	83	35831	19.531	ug/l	95
48) Methyl methacrylate	6.63	41	35381	19.613	ug/l	98
49) 1,4-Dioxane	6.62	88	11791	317.403	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	255497	110.948	ug/l	99
52) Toluene	7.64	92	58954	19.508	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	38217	19.389	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	41602	19.195	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	25153	19.642	ug/l	97
56) Ethyl methacrylate	8.02	69	39250	19.084	ug/l	96
57) 1,3-Dichloropropane	8.24	76	48181	20.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	118169	96.753	ug/l	98
59) 2-Hexanone	8.36	43	193702	107.455	ug/l	98
60) Dibromochloromethane	8.48	129	24778	19.727	ug/l	95
61) 1,2-Dibromoethane	8.59	107	25886	19.429	ug/l	99
64) Tetrachloroethene	8.23	164	17689	18.353	ug/l	98
65) Chlorobenzene	9.12	112	59504	17.942	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	22463	19.665	ug/l	99
67) Ethyl Benzene	9.25	91	104260	19.118	ug/l	99
68) m/p-Xylenes	9.38	106	77360	36.002	ug/l	99
69) o-Xylene	9.78	106	37244	19.275	ug/l	97
70) Styrene	9.79	104	61382	18.208	ug/l	99
71) Bromoform	9.96	173	18044	20.427	ug/l #	100
73) Isopropylbenzene	10.17	105	101767	20.029	ug/l	99
74) N-amyl acetate	10.02	43	61465	20.898	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	45892	19.644	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42378m	20.884	ug/l	
77) Bromobenzene	10.45	156	24159	19.457	ug/l	96
78) n-propylbenzene	10.59	91	119610	19.895	ug/l	98
79) 2-Chlorotoluene	10.66	91	74983	19.856	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	83959	20.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	10616m	16.742	ug/l	
82) 4-Chlorotoluene	10.77	91	85130	20.104	ug/l	98
83) tert-Butylbenzene	11.10	119	79531	19.179	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	85606	20.055	ug/l	98
85) sec-Butylbenzene	11.32	105	100737	19.901	ug/l	100
86) p-Isopropyltoluene	11.48	119	84055	18.296	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	42909	18.571	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	44239	17.567	ug/l	96
89) n-Butylbenzene	11.89	91	74992	17.900	ug/l	97
90) Hexachloroethane	12.15	117	16981	18.448	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	43837	17.861	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9939	20.855	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	25856	18.281	ug/l	98
94) Hexachlorobutadiene	13.69	225	13410	17.919	ug/l	98
95) Naphthalene	13.75	128	92754	17.895	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	28793	18.983	ug/l	99

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

