

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025764.D
 Acq On : 01 Aug 2018 10:10
 Operator : MD/SY
 Sample : VU0801WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:41:24 AM

Quant Time: Aug 02 03:26:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	106933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159132	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	153586	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	94234	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	133988	80.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.84%	
35) Dibromofluoromethane	4.89	113	109258	78.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.88%	
50) Toluene-d8	7.57	98	376908	77.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.64%	
62) 4-Bromofluorobenzene	10.31	95	143569	76.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	152.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	52629	32.564	ug/l 100
3) Chloromethane	1.33	50	48212	31.210	ug/l 100
4) Vinyl Chloride	1.40	62	44353	30.510	ug/l 96
5) Bromomethane	1.63	94	23783	33.496	ug/l 95
6) Chloroethane	1.70	64	25658	30.184	ug/l 99
7) Trichlorofluoromethane	1.89	101	65756	31.285	ug/l 100
8) Diethyl Ether	2.10	74	23460	30.848	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38302	31.489	ug/l 99
10) Methyl Iodide	2.41	142	31537	31.614	ug/l 97
11) Tert butyl alcohol	2.83	59	58659	160.807	ug/l 97
12) 1,1-Dichloroethene	2.28	96	35830	31.207	ug/l 95
13) Acrolein	2.19	56	29791	225.307	ug/l 98
14) Allyl chloride	2.59	41	62375	30.230	ug/l 98
15) Acrylonitrile	2.94	53	121010	166.151	ug/l 98
16) Acetone	2.32	43	122463	150.759	ug/l 99
17) Carbon Disulfide	2.48	76	109680	29.517	ug/l 98
18) Methyl Acetate	2.62	43	75657	38.697	ug/l 99
19) Methyl tert-butyl Ether	3.00	73	135493	32.565	ug/l 98
20) Methylene Chloride	2.70	84	42673	29.642	ug/l 97
21) trans-1,2-Dichloroethene	2.99	96	40438	30.468	ug/l 98
22) Diisopropyl ether	3.58	45	132237	32.523	ug/l 92
23) Vinyl Acetate	3.53	43	559627	157.935	ug/l 99
24) 1,1-Dichloroethane	3.45	63	77878	31.908	ug/l 100
25) 2-Butanone	4.27	43	175918	159.090	ug/l 97
26) 2,2-Dichloropropane	4.23	77	69225	31.204	ug/l 99
27) cis-1,2-Dichloroethene	4.23	96	46605	31.145	ug/l 99
28) Bromochloromethane	4.55	49	35673	32.689	ug/l 99
29) Tetrahydrofuran	4.64	42	106888	161.344	ug/l 99
30) Chloroform	4.68	83	81093	31.477	ug/l 99
31) Cyclohexane	5.00	56	63671	29.433	ug/l 98
32) 1,1,1-Trichloroethane	4.92	97	74343	32.051	ug/l 98
36) 1,1-Dichloropropene	5.14	75	56222	30.231	ug/l 98
37) Ethyl Acetate	4.38	43	63023	32.683	ug/l 98
38) Carbon Tetrachloride	5.14	117	63607	30.197	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	64215	30.136	ug/l	96
40) Benzene	5.39	78	170294	31.327	ug/l	98
41) Methacrylonitrile	4.55	41	35941	33.557	ug/l	98
42) 1,2-Dichloroethane	5.41	62	67435	32.217	ug/l	100
43) Isopropyl Acetate	5.55	43	102634	32.209	ug/l	99
44) Trichloroethene	6.19	130	46869	30.960	ug/l	99
45) 1,2-Dichloropropane	6.44	63	44918	31.683	ug/l	98
46) Dibromomethane	6.56	93	31829	30.984	ug/l	96
47) Bromodichloromethane	6.76	83	63338	32.323	ug/l	99
48) Methyl methacrylate	6.63	41	51210	32.790	ug/l	98
49) 1,4-Dioxane	6.62	88	25076	659.805	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	327106	163.965	ug/l	100
52) Toluene	7.64	92	106848	31.638	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	70146	31.882	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	73356	32.457	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	45357	32.318	ug/l	96
56) Ethyl methacrylate	8.02	69	64251	32.041	ug/l	98
57) 1,3-Dichloropropane	8.25	76	75581	32.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	120576	136.102	ug/l	99
59) 2-Hexanone	8.36	43	252245	161.301	ug/l	99
60) Dibromochloromethane	8.48	129	51022	30.828	ug/l	98
61) 1,2-Dibromoethane	8.59	107	49879	31.956	ug/l	100
64) Tetrachloroethene	8.23	164	41550	30.735	ug/l	96
65) Chlorobenzene	9.12	112	122034	30.818	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	45198	31.552	ug/l	97
67) Ethyl Benzene	9.25	91	199876	30.473	ug/l	99
68) m/p-Xylenes	9.38	106	160220	63.625	ug/l	98
69) o-Xylene	9.78	106	77913	31.658	ug/l	100
70) Styrene	9.80	104	126132	31.728	ug/l	97
71) Bromoform	9.96	173	39067	31.453	ug/l #	100
73) Isopropylbenzene	10.17	105	206395	32.091	ug/l	99
74) N-amyl acetate	10.01	43	86870	33.085	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	74166	33.346	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	66396m	31.978	ug/l	
77) Bromobenzene	10.45	156	57327	32.315	ug/l	97
78) n-propylbenzene	10.59	91	239659	31.925	ug/l	100
79) 2-Chlorotoluene	10.66	91	144431	32.848	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	178262	32.635	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.52	75	18547m	22.399	ug/l	
82) 4-Chlorotoluene	10.78	91	166480	32.121	ug/l	99
83) tert-Butylbenzene	11.10	119	175130	32.270	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	182053	32.890	ug/l	98
85) sec-Butylbenzene	11.33	105	212244	32.032	ug/l	99
86) p-Isopropyltoluene	11.48	119	188946	31.846	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	101897	30.945	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	104025	30.306	ug/l	100
89) n-Butylbenzene	11.89	91	160739	29.358	ug/l	99
90) Hexachloroethane	12.15	117	33984	32.216	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	103945	32.204	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17326	32.859	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	67259	30.875	ug/l	99
94) Hexachlorobutadiene	13.70	225	33014	28.750	ug/l	98
95) Naphthalene	13.75	128	207412	30.151	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	70786	32.574	ug/l	98

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

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