

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112818\
 Data File : VU028356.D
 Acq On : 28 Nov 2018 10:47
 Operator : MD/SY
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:22:58 PM

Quant Time: Nov 29 01:04:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 00:29:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	235303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	413122	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	393241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	199200	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	385955	98.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.28%	
35) Dibromofluoromethane	4.88	113	276488	100.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.30%	
50) Toluene-d8	7.57	98	1098967	100.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.06%	
62) 4-Bromofluorobenzene	10.30	95	424564	107.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	316945	100.410	ug/l	100
3) Chloromethane	1.32	50	607054	99.218	ug/l	100
4) Vinyl Chloride	1.40	62	434946	101.604	ug/l	99
5) Bromomethane	1.60	94	187778	113.415	ug/l	100
6) Chloroethane	1.68	64	238321	96.750	ug/l	96
7) Trichlorofluoromethane	1.87	101	440722	99.114	ug/l	100
8) Diethyl Ether	2.10	74	199476	96.502	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	251033	96.913	ug/l	98
10) Methyl Iodide	2.40	142	249252	102.041	ug/l	100
11) Tert butyl alcohol	2.84	59	450546	504.309	ug/l	98
12) 1,1-Dichloroethene	2.28	96	253752	100.945	ug/l	95
13) Acrolein	2.19	56	389078	489.873	ug/l	98
14) Allyl chloride	2.59	41	705387	107.403	ug/l	90
15) Acrylonitrile	2.93	53	1202561	508.869	ug/l	99
16) Acetone	2.32	43	1103080	458.544	ug/l	100
17) Carbon Disulfide	2.47	76	929939	96.380	ug/l	100
18) Methyl Acetate	2.61	43	673912	100.618	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	1022250	99.192	ug/l	99
20) Methylene Chloride	2.70	84	335103	90.040	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	288201	98.858	ug/l	98
22) Diisopropyl ether	3.57	45	1303591	100.874	ug/l	99
23) Vinyl Acetate	3.52	43	5565332	517.807	ug/l	100
24) 1,1-Dichloroethane	3.44	63	643130	100.881	ug/l	99
25) 2-Butanone	4.26	43	1723719	499.974	ug/l	100
26) 2,2-Dichloropropane	4.22	77	506829	100.104	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	336582	97.623	ug/l	100
28) Bromochloromethane	4.55	49	308724	96.849	ug/l	98
29) Tetrahydrofuran	4.63	42	1155755	516.326	ug/l	99
30) Chloroform	4.67	83	582271	98.952	ug/l	99
31) Cyclohexane	4.99	56	640514	84.644	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	473116	100.199	ug/l	99
36) 1,1-Dichloropropene	5.13	75	463188	102.459	ug/l	98
37) Ethyl Acetate	4.38	43	640618	103.984	ug/l	99
38) Carbon Tetrachloride	5.13	117	376064	101.301	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	556591	104.426	ug/l	99
40) Benzene	5.39	78	1378825	102.979	ug/l	99
41) Methacrylonitrile	4.54	41	363172	106.150	ug/l	98
42) 1,2-Dichloroethane	5.40	62	491955	101.992	ug/l	100
43) Isopropyl Acetate	5.55	43	1029870	105.491	ug/l	99
44) Trichloroethene	6.18	130	297302	103.589	ug/l	99
45) 1,2-Dichloropropane	6.43	63	401919	102.505	ug/l	99
46) Dibromomethane	6.56	93	232203	103.100	ug/l	98
47) Bromodichloromethane	6.76	83	455382	101.654	ug/l	99
48) Methyl methacrylate	6.62	41	527224	103.674	ug/l	99
49) 1,4-Dioxane	6.61	88	174538	2148.429	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	3267696	524.069	ug/l	99
52) Toluene	7.64	92	813317	105.485	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	556496	103.887	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	590002	102.811	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	325882	101.557	ug/l	98
56) Ethyl methacrylate	8.02	69	600888	110.072	ug/l	99
57) 1,3-Dichloropropane	8.24	76	607917	103.306	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	1628591	555.666	ug/l	99
59) 2-Hexanone	8.36	43	2598742	538.061	ug/l	100
60) Dibromochloromethane	8.48	129	319932	104.832	ug/l	99
61) 1,2-Dibromoethane	8.58	107	347780	105.820	ug/l	97
64) Tetrachloroethene	8.22	164	252214	97.503	ug/l	99
65) Chlorobenzene	9.12	112	838605	102.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	283893	101.431	ug/l	100
67) Ethyl Benzene	9.25	91	1595806	103.766	ug/l	99
68) m/p-Xylenes	9.37	106	1164473	210.370	ug/l	100
69) o-Xylene	9.78	106	568103	103.241	ug/l	100
70) Styrene	9.79	104	955801	107.701	ug/l	99
71) Bromoform	9.96	173	250300	106.396	ug/l #	99
73) Isopropylbenzene	10.17	105	1527343	98.584	ug/l	100
74) N-amyl acetate	10.01	43	982419	101.209	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	619946	97.307	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	508185m	93.177	ug/l	
77) Bromobenzene	10.45	156	359347	98.436	ug/l	99
78) n-propylbenzene	10.59	91	1923759	100.655	ug/l	100
79) 2-Chlorotoluene	10.66	91	1101472	97.762	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	1306916	100.103	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	214976m	81.028	ug/l	
82) 4-Chlorotoluene	10.77	91	1314962	101.298	ug/l	99
83) tert-Butylbenzene	11.10	119	1255731	103.178	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	1349951	102.084	ug/l	99
85) sec-Butylbenzene	11.32	105	1615859	102.220	ug/l	99
86) p-Isopropyltoluene	11.48	119	1356520	104.365	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	672737	101.038	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	668208	99.719	ug/l	98
89) n-Butylbenzene	11.89	91	1404023	109.449	ug/l	100
90) Hexachloroethane	12.14	117	211820	104.383	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	676662	101.860	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	142707	100.701	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	459945	105.776	ug/l	98
94) Hexachlorobutadiene	13.69	225	208981	101.781	ug/l	98
95) Naphthalene	13.74	128	1636323	110.656	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	461544	104.950	ug/l	99

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

