

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026678.D
 Acq On : 11 Sep 2018 11:20
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 4:48:53 PM

Quant Time: Sep 12 05:20:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 04:37:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	101424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	153571	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82339	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	25715	16.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.42%	
35) Dibromofluoromethane	4.89	113	21448	17.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.24%	
50) Toluene-d8	7.57	98	77047	16.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.26%	
62) 4-Bromofluorobenzene	10.31	95	26588	15.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.66%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.21	85	21669	19.77	ug/l	98
3) Chloromethane	1.33	50	30152	19.70	ug/l	99
4) Vinyl Chloride	1.40	62	30824	19.43	ug/l	99
5) Bromomethane	1.62	94	20065	20.19	ug/l	95
6) Chloroethane	1.70	64	19393	19.21	ug/l	97
7) Trichlorofluoromethane	1.88	101	41529	20.02	ug/l	100
8) Diethyl Ether	2.10	74	17480	19.23	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23869	19.38	ug/l	97
10) Methyl Iodide	2.41	142	13723	14.79	ug/l	98
11) Tert butyl alcohol	2.82	59	33661	89.76	ug/l	99
12) 1,1-Dichloroethene	2.28	96	22653	19.45	ug/l	99
13) Acrolein	2.20	56	23236	91.94	ug/l	99
14) Allyl chloride	2.59	41	38602	18.41	ug/l	98
15) Acrylonitrile	2.94	53	79257	98.55	ug/l	100
16) Acetone	2.32	43	82802	95.06	ug/l	98
17) Carbon Disulfide	2.48	76	69306	18.71	ug/l	99
18) Methyl Acetate	2.62	43	36759	19.56	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	76520	19.09	ug/l	100
20) Methylene Chloride	2.70	84	26941	19.07	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	23603	19.24	ug/l	99
22) Diisopropyl ether	3.57	45	87957	20.10	ug/l	95
23) Vinyl Acetate	3.53	43	368577	99.13	ug/l	99
24) 1,1-Dichloroethane	3.45	63	48301	19.56	ug/l	99
25) 2-Butanone	4.26	43	113750	96.94	ug/l	97
26) 2,2-Dichloropropane	4.23	77	40347	19.88	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	27698	19.59	ug/l	99
28) Bromochloromethane	4.55	49	23236	19.68	ug/l	98
29) Tetrahydrofuran	4.64	42	69861	98.75	ug/l	99
30) Chloroform	4.67	83	47273	19.47	ug/l	100
31) Cyclohexane	5.00	56	43611	17.07	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	39988	19.89	ug/l	99
36) 1,1-Dichloropropene	5.14	75	33735	19.57	ug/l	98
37) Ethyl Acetate	4.38	43	40503	19.53	ug/l	98
38) Carbon Tetrachloride	5.14	117	36207	19.88	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	39207	19.15	ug/l	100
40) Benzene	5.39	78	106643	19.92	ug/l	100
41) Methacrylonitrile	4.55	41	21874	20.33	ug/l	99
42) 1,2-Dichloroethane	5.41	62	38264	20.04	ug/l	99
43) Isopropyl Acetate	5.55	43	63292	20.05	ug/l	99
44) Trichloroethene	6.19	130	25946	19.58	ug/l	96
45) 1,2-Dichloropropane	6.44	63	28665	19.69	ug/l	99
46) Dibromomethane	6.56	93	18805	20.02	ug/l	97
47) Bromodichloromethane	6.76	83	36609	19.79	ug/l	95
48) Methyl methacrylate	6.62	41	30058	19.29	ug/l	99
49) 1,4-Dioxane	6.62	88	14061	389.40	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	204990	97.07	ug/l	99
52) Toluene	7.64	92	63689	19.97	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	39216	19.11	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	43240	19.63	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	27015	19.77	ug/l	97
56) Ethyl methacrylate	8.02	69	38561	19.33	ug/l	99
57) 1,3-Dichloropropane	8.24	76	47144	20.24	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	97677	99.30	ug/l	99
59) 2-Hexanone	8.36	43	160185	96.38	ug/l	99
60) Dibromochloromethane	8.48	129	29009	19.60	ug/l	98
61) 1,2-Dibromoethane	8.59	107	29032	19.58	ug/l	99
64) Tetrachloroethene	8.23	164	22742	19.68	ug/l	97
65) Chlorobenzene	9.12	112	71093	19.71	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	26211	19.75	ug/l	98
67) Ethyl Benzene	9.25	91	116323	19.57	ug/l	99
68) m/p-Xylenes	9.38	106	90684	40.11	ug/l	98
69) o-Xylene	9.78	106	44319	20.12	ug/l	99
70) Styrene	9.79	104	71466	19.82	ug/l	99
71) Bromoform	9.96	173	22538	19.52	ug/l #	100
73) Isopropylbenzene	10.17	105	117611	20.96	ug/l	100
74) N-amyl acetate	10.01	43	52902	19.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	45110	19.73	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	36874m	17.61	ug/l	
77) Bromobenzene	10.46	156	31286	20.52	ug/l	98
78) n-propylbenzene	10.59	91	135284	20.73	ug/l	99
79) 2-Chlorotoluene	10.66	91	83845	20.73	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	98594	20.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	10820m	11.55	ug/l	
82) 4-Chlorotoluene	10.77	91	94325	20.75	ug/l	99
83) tert-Butylbenzene	11.10	119	98586	20.60	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	100792	21.19	ug/l	99
85) sec-Butylbenzene	11.32	105	118230	20.80	ug/l	99
86) p-Isopropyltoluene	11.48	119	102574	20.70	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	54854	19.28	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	55909	18.92	ug/l	98
89) n-Butylbenzene	11.89	91	87077	20.05	ug/l	99
90) Hexachloroethane	12.15	117	19639	19.58	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	56802	19.85	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	9717	21.19	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	36315	19.11	ug/l	98
94) Hexachlorobutadiene	13.69	225	19304	19.75	ug/l	98
95) Naphthalene	13.74	128	115096	19.99	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	39949	20.13	ug/l	99

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

