

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070918\
 Data File : VU025275.D
 Acq On : 09 Jul 2018 15:47
 Operator : MD/SY
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:48 PM

Quant Time: Jul 10 01:45:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 01:16:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	159582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	236483	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	227541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147939	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	242425	97.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.56%	
35) Dibromofluoromethane	4.89	113	202013	101.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.52%	
50) Toluene-d8	7.57	98	683728	100.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.18%	
62) 4-Bromofluorobenzene	10.31	95	284769	103.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	171326	103.74	ug/l	98
3) Chloromethane	1.33	50	169993	90.96	ug/l	100
4) Vinyl Chloride	1.40	62	186964	103.02	ug/l	99
5) Bromomethane	1.61	94	92220	69.56	ug/l	96
6) Chloroethane	1.69	64	121942	96.41	ug/l	98
7) Trichlorofluoromethane	1.88	101	296108	103.82	ug/l	99
8) Diethyl Ether	2.10	74	112839	105.42	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	186766	105.67	ug/l	99
10) Methyl Iodide	2.41	142	218717	128.04	ug/l	99
11) Tert butyl alcohol	2.84	59	280810	462.09	ug/l	99
12) 1,1-Dichloroethene	2.28	96	170493	105.40	ug/l	94
13) Acrolein	2.19	56	196102	519.65	ug/l	100
14) Allyl chloride	2.59	41	329398	112.28	ug/l	91
15) Acrylonitrile	2.94	53	569024	511.72	ug/l	100
16) Acetone	2.32	43	683946	510.86	ug/l	99
17) Carbon Disulfide	2.48	76	499446	99.67	ug/l	99
18) Methyl Acetate	2.62	43	261074	102.85	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	658346	107.00	ug/l	100
20) Methylene Chloride	2.70	84	205092	93.24	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	190103	102.84	ug/l	99
22) Diisopropyl ether	3.57	45	633933	105.81	ug/l	94
23) Vinyl Acetate	3.53	43	2856605	543.53	ug/l	99
24) 1,1-Dichloroethane	3.45	63	363911	107.70	ug/l	99
25) 2-Butanone	4.26	43	899606	523.50	ug/l	99
26) 2,2-Dichloropropane	4.23	77	348311	107.21	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	221743	103.67	ug/l	99
28) Bromochloromethane	4.55	49	167106	102.42	ug/l	100
29) Tetrahydrofuran	4.64	42	522440	506.85	ug/l	100
30) Chloroform	4.68	83	382544	106.91	ug/l	99
31) Cyclohexane	5.00	56	330387	88.01	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	353956	109.15	ug/l	99
36) 1,1-Dichloropropene	5.14	75	281169	106.95	ug/l	98
37) Ethyl Acetate	4.38	43	314196	107.16	ug/l	99
38) Carbon Tetrachloride	5.14	117	318571	112.58	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	355022	108.26	ug/l	97
40) Benzene	5.39	78	801973	105.85	ug/l	98
41) Methacrylonitrile	4.54	41	172841	106.32	ug/l	99
42) 1,2-Dichloroethane	5.41	62	319271	106.01	ug/l	100
43) Isopropyl Acetate	5.55	43	500072	106.50	ug/l	100
44) Trichloroethene	6.19	130	229438	105.47	ug/l	97
45) 1,2-Dichloropropane	6.44	63	213727	107.70	ug/l	100
46) Dibromomethane	6.56	93	153399	106.22	ug/l	99
47) Bromodichloromethane	6.76	83	296894	110.67	ug/l	98
48) Methyl methacrylate	6.63	41	252446	107.85	ug/l	99
49) 1,4-Dioxane	6.62	88	127258	2259.44	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1605669	526.15	ug/l	99
52) Toluene	7.64	92	521465	108.18	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	334799	113.59	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	356066	113.50	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	211037	105.12	ug/l	100
56) Ethyl methacrylate	8.02	69	341524	108.92	ug/l	98
57) 1,3-Dichloropropane	8.25	76	359247	107.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	605845	547.56	ug/l	98
59) 2-Hexanone	8.36	43	1343168	542.62	ug/l	98
60) Dibromochloromethane	8.48	129	252862	116.63	ug/l	100
61) 1,2-Dibromoethane	8.59	107	233976	108.93	ug/l	99
64) Tetrachloroethene	8.23	164	215871	104.08	ug/l	98
65) Chlorobenzene	9.12	112	599166	105.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	223470	109.90	ug/l	98
67) Ethyl Benzene	9.25	91	1041496	107.47	ug/l	100
68) m/p-Xylenes	9.38	106	826702	220.66	ug/l	99
69) o-Xylene	9.78	106	401923	107.15	ug/l	98
70) Styrene	9.80	104	667154	111.98	ug/l	99
71) Bromoform	9.96	173	203423	115.68	ug/l #	99
73) Isopropylbenzene	10.17	105	1088062	96.26	ug/l	100
74) N-amyl acetate	10.01	43	487272	99.30	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	364181	98.48	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	306875m	91.96	ug/l	
77) Bromobenzene	10.45	156	285623	98.77	ug/l	99
78) n-propylbenzene	10.59	91	1274321	101.60	ug/l	100
79) 2-Chlorotoluene	10.66	91	748944	95.41	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	951588	100.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	132256m	108.80	ug/l	
82) 4-Chlorotoluene	10.78	91	877043	98.75	ug/l	100
83) tert-Butylbenzene	11.10	119	941944	98.00	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	976008	100.13	ug/l	98
85) sec-Butylbenzene	11.33	105	1152050	101.80	ug/l	100
86) p-Isopropyltoluene	11.48	119	1040176	103.81	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	534865	101.21	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	540437	99.56	ug/l	99
89) n-Butylbenzene	11.89	91	914978	111.08	ug/l	100
90) Hexachloroethane	12.15	117	178443	105.17	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	550303	103.10	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	98742	110.09	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	388197	111.01	ug/l	99
94) Hexachlorobutadiene	13.70	225	208555	109.25	ug/l	99
95) Naphthalene	13.74	128	1182497	98.29	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	395349	104.84	ug/l	99

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

