

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026676.D
 Acq On : 11 Sep 2018 10:34
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 4:48:52 PM

Quant Time: Sep 12 04:59:37 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	4.98	168	94429	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	145864	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	134320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	1731	1.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.42%	
35) Dibromofluoromethane	4.89	113	1374	1.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.30%	
50) Toluene-d8	7.57	98	4072	0.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.86%	
62) 4-Bromofluorobenzene	10.31	95	1380	0.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	929	0.91	ug/l	91
3) Chloromethane	1.33	50	1515	1.06	ug/l	99
4) Vinyl Chloride	1.40	62	1419	0.96	ug/l	97
5) Bromomethane	1.63	94	1052	1.14	ug/l	81
6) Chloroethane	1.70	64	972	1.03	ug/l	98
7) Trichlorofluoromethane	1.89	101	1769	0.92	ug/l #	77
8) Diethyl Ether	2.10	74	804	0.95	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1113	0.97	ug/l #	92
10) Methyl Iodide	2.41	142	182	0.21	ug/l #	41
11) Tert butyl alcohol	2.83	59	2622	7.51	ug/l #	73
12) 1,1-Dichloroethene	2.28	96	1051	0.97	ug/l	88
13) Acrolein	2.20	56	1418	6.03	ug/l	94
14) Allyl chloride	2.59	41	1661	0.85	ug/l #	89
15) Acrylonitrile	2.94	53	3214	4.29	ug/l	95
16) Acetone	2.32	43	4772	5.88	ug/l	97
17) Carbon Disulfide	2.48	76	3759	1.09	ug/l	100
18) Methyl Acetate	2.62	43	1593	0.91	ug/l	91
19) Methyl tert-butyl Ether	3.00	73	3632	0.97	ug/l	91
20) Methylene Chloride	2.70	84	1316	1.00	ug/l #	82
21) trans-1,2-Dichloroethene	2.99	96	1028	0.90	ug/l	95
22) Diisopropyl ether	3.57	45	3392	0.83	ug/l #	80
23) Vinyl Acetate	3.53	43	13760	3.98	ug/l	95
24) 1,1-Dichloroethane	3.45	63	2003	0.87	ug/l #	84
25) 2-Butanone	4.27	43	5079	4.65	ug/l	95
26) 2,2-Dichloropropane	4.23	77	1804m	0.95	ug/l	
27) cis-1,2-Dichloroethene	4.23	96	1156	0.88	ug/l	93
28) Bromochloromethane	4.55	49	1025	0.93	ug/l #	94
29) Tetrahydrofuran	4.64	42	2955	4.49	ug/l	92
30) Chloroform	4.68	83	2147	0.95	ug/l	84
31) Cyclohexane	4.99	56	3632	1.53	ug/l #	38
32) 1,1,1-Trichloroethane	4.91	97	1618	0.86	ug/l #	36
36) 1,1-Dichloropropene	5.14	75	1420	0.87	ug/l #	91
37) Ethyl Acetate	4.39	43	1770	0.90	ug/l #	73
38) Carbon Tetrachloride	5.13	117	1607	0.93	ug/l #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	1576	0.81	ug/l	91
40) Benzene	5.39	78	4518	0.89	ug/l	97
41) Methacrylonitrile	4.56	41	674	0.66	ug/l #	72
42) 1,2-Dichloroethane	5.41	62	1651	0.91	ug/l #	75
43) Isopropyl Acetate	5.56	43	2354	0.79	ug/l #	89
44) Trichloroethene	6.19	130	1100	0.87	ug/l	96
45) 1,2-Dichloropropane	6.44	63	1149	0.83	ug/l #	76
46) Dibromomethane	6.56	93	698	0.78	ug/l	94
47) Bromodichloromethane	6.76	83	1488	0.85	ug/l #	91
48) Methyl methacrylate	6.63	41	1017	0.69	ug/l #	88
49) 1,4-Dioxane	6.62	88	483	14.08	ug/l #	47
51) 4-Methyl-2-Pentanone	7.46	43	7677	3.83	ug/l	91
52) Toluene	7.64	92	2332	0.77	ug/l	90
53) t-1,3-Dichloropropene	7.89	75	1563	0.80	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	1698	0.81	ug/l	93
55) 1,1,2-Trichloroethane	8.07	97	1135	0.87	ug/l	96
56) Ethyl methacrylate	8.03	69	1214	0.64	ug/l #	90
57) 1,3-Dichloropropane	8.25	76	1759	0.80	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.13	63	3418	3.66	ug/l	98
59) 2-Hexanone	8.37	43	5959	3.78	ug/l	91
60) Dibromochloromethane	8.48	129	1074	0.76	ug/l	86
61) 1,2-Dibromoethane	8.59	107	1240	0.88	ug/l	95
64) Tetrachloroethene	8.23	164	1035	0.97	ug/l #	93
65) Chlorobenzene	9.12	112	3117	0.93	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.21	131	1123	0.91	ug/l #	64
67) Ethyl Benzene	9.25	91	4647	0.85	ug/l	94
68) m/p-Xylenes	9.38	106	3139	1.50	ug/l	97
69) o-Xylene	9.78	106	1422	0.70	ug/l	89
70) Styrene	9.79	104	2277	0.68	ug/l	95
71) Bromoform	9.96	173	809	0.76	ug/l #	98
73) Isopropylbenzene	10.17	105	3586	0.80	ug/l	96
74) N-amyl acetate	10.02	43	1559	0.74	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	10.46	83	1934	1.06	ug/l #	92
76) 1,2,3-Trichloropropane	10.50	75	1334m	0.80	ug/l	
77) Bromobenzene	10.46	156	1184	0.98	ug/l	92
78) n-propylbenzene	10.59	91	3855	0.74	ug/l	97
79) 2-Chlorotoluene	10.66	91	2687	0.84	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	2879	0.77	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.51	75	399m	0.54	ug/l	
82) 4-Chlorotoluene	10.78	91	2730	0.76	ug/l	97
83) tert-Butylbenzene	11.10	119	2934	0.77	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2760	0.73	ug/l	89
85) sec-Butylbenzene	11.32	105	3343	0.74	ug/l	93
86) p-Isopropyltoluene	11.48	119	2719	0.69	ug/l	91
87) 1,3-Dichlorobenzene	11.42	146	2342	1.04	ug/l	96
88) 1,4-Dichlorobenzene	11.51	146	2649	1.13	ug/l	91
89) n-Butylbenzene	11.89	91	2161	0.63	ug/l	95
90) Hexachloroethane	12.14	117	696	0.87	ug/l	91
91) 1,2-Dichlorobenzene	11.88	146	2314	1.02	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.66	75	261	0.72	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	1377	0.91	ug/l	88
94) Hexachlorobutadiene	13.69	225	712	0.92	ug/l	93
95) Naphthalene	13.75	128	3289	0.72	ug/l	95
96) 1,2,3-Trichlorobenzene	13.99	180	1361	0.86	ug/l	88

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

