

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026677.D
 Acq On : 11 Sep 2018 10:57
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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

Quant Time: Sep 12 05:17:58 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	98523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	150033	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	143590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	76060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	8583	5.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.48%	
35) Dibromofluoromethane	4.88	113	6808	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	
50) Toluene-d8	7.57	98	24437	5.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.80%	
62) 4-Bromofluorobenzene	10.31	95	7750	4.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	5919	5.56	ug/l	97
3) Chloromethane	1.33	50	8214	5.52	ug/l	99
4) Vinyl Chloride	1.40	62	8157	5.29	ug/l	98
5) Bromomethane	1.61	94	5428	5.62	ug/l	96
6) Chloroethane	1.69	64	5346	5.45	ug/l	95
7) Trichlorofluoromethane	1.88	101	10953	5.44	ug/l	99
8) Diethyl Ether	2.10	74	4979	5.64	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	6604	5.52	ug/l	96
10) Methyl Iodide	2.41	142	2139	2.37	ug/l #	96
11) Tert butyl alcohol	2.83	59	11277	30.96	ug/l	96
12) 1,1-Dichloroethene	2.28	96	6123	5.41	ug/l	96
13) Acrolein	2.19	56	7559	30.79	ug/l	96
14) Allyl chloride	2.59	41	10455	5.13	ug/l	96
15) Acrylonitrile	2.94	53	20253	25.92	ug/l	99
16) Acetone	2.32	43	24529	28.99	ug/l	97
17) Carbon Disulfide	2.48	76	19088	5.30	ug/l	99
18) Methyl Acetate	2.61	43	9786	5.36	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	19777	5.08	ug/l	97
20) Methylene Chloride	2.70	84	7665	5.58	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	6480	5.44	ug/l	94
22) Diisopropyl ether	3.57	45	21982	5.17	ug/l	91
23) Vinyl Acetate	3.53	43	90040	24.93	ug/l	100
24) 1,1-Dichloroethane	3.45	63	13397	5.59	ug/l	98
25) 2-Butanone	4.27	43	30320	26.60	ug/l	100
26) 2,2-Dichloropropane	4.22	77	10321	5.24	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	7383	5.38	ug/l	98
28) Bromochloromethane	4.55	49	6392	5.57	ug/l #	98
29) Tetrahydrofuran	4.64	42	17498	25.46	ug/l	98
30) Chloroform	4.67	83	12850	5.45	ug/l	92
31) Cyclohexane	5.00	56	12160	4.90	ug/l #	81
32) 1,1,1-Trichloroethane	4.92	97	10340	5.30	ug/l	96
36) 1,1-Dichloropropene	5.14	75	8454	5.02	ug/l	99
37) Ethyl Acetate	4.39	43	11109	5.48	ug/l #	94
38) Carbon Tetrachloride	5.14	117	9377	5.27	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	9932	4.97	ug/l	98
40) Benzene	5.39	78	27606	5.28	ug/l	98
41) Methacrylonitrile	4.54	41	5548	5.28	ug/l	92
42) 1,2-Dichloroethane	5.41	62	9922	5.32	ug/l	97
43) Isopropyl Acetate	5.55	43	15369	4.98	ug/l	98
44) Trichloroethene	6.19	130	6834	5.28	ug/l	97
45) 1,2-Dichloropropane	6.44	63	7619	5.36	ug/l	93
46) Dibromomethane	6.57	93	4966	5.41	ug/l	98
47) Bromodichloromethane	6.76	83	9439	5.22	ug/l	94
48) Methyl methacrylate	6.63	41	7673	5.04	ug/l	95
49) 1,4-Dioxane	6.62	88	3577	101.40	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	51307	24.87	ug/l	96
52) Toluene	7.64	92	16285	5.23	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	9659	4.82	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	10808	5.02	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	6893	5.16	ug/l	99
56) Ethyl methacrylate	8.02	69	9090	4.66	ug/l	98
57) 1,3-Dichloropropane	8.25	76	11713	5.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	21983	22.88	ug/l	100
59) 2-Hexanone	8.37	43	39726	24.47	ug/l	95
60) Dibromochloromethane	8.48	129	7494	5.18	ug/l	94
61) 1,2-Dibromoethane	8.59	107	7485	5.17	ug/l	98
64) Tetrachloroethene	8.23	164	6136	5.37	ug/l	94
65) Chlorobenzene	9.12	112	18320	5.14	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	6742	5.14	ug/l	97
67) Ethyl Benzene	9.25	91	28191	4.80	ug/l	99
68) m/p-Xylenes	9.38	106	21299	9.53	ug/l	100
69) o-Xylene	9.78	106	10773	4.95	ug/l	97
70) Styrene	9.79	104	16355	4.59	ug/l	97
71) Bromoform	9.96	173	5455	4.78	ug/l #	99
73) Isopropylbenzene	10.17	105	27066	5.22	ug/l	100
74) N-amyl acetate	10.02	43	12106	4.95	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	11523	5.46	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	10008m	5.17	ug/l	
77) Bromobenzene	10.46	156	7158	5.08	ug/l	93
78) n-propylbenzene	10.59	91	30023	4.98	ug/l	99
79) 2-Chlorotoluene	10.66	91	20461	5.48	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	21750	4.99	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	2848m	3.29	ug/l	
82) 4-Chlorotoluene	10.77	91	21509	5.12	ug/l	99
83) tert-Butylbenzene	11.10	119	22902	5.18	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	21527	4.90	ug/l	98
85) sec-Butylbenzene	11.32	105	25503	4.86	ug/l	99
86) p-Isopropyltoluene	11.48	119	21818	4.77	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	13728	5.22	ug/l	97
88) 1,4-Dichlorobenzene	11.51	146	14301	5.24	ug/l	95
89) n-Butylbenzene	11.89	91	17832	4.45	ug/l	98
90) Hexachloroethane	12.15	117	5020	5.42	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	13589	5.14	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2247	5.31	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	8102	4.62	ug/l	96
94) Hexachlorobutadiene	13.69	225	4681	5.18	ug/l	95
95) Naphthalene	13.75	128	24280	4.57	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	9025	4.92	ug/l	98

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

