

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\
 Data File : VU027557.D
 Acq On : 10 Oct 2018 09:06
 Operator : MD/SY
 Sample : VU1010WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 9:01:59 AM

Quant Time: Oct 11 04:47:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	133222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	223014	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	203292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	100120	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	98406	44.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.48%	
35) Dibromofluoromethane	4.88	113	72716	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
50) Toluene-d8	7.57	98	271657	47.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	10.31	95	97921	46.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	36161	18.827	ug/l	99
3) Chloromethane	1.33	50	45981	17.683	ug/l	100
4) Vinyl Chloride	1.40	62	44192	18.079	ug/l	99
5) Bromomethane	1.62	94	25140	23.769	ug/l	99
6) Chloroethane	1.70	64	25355	17.262	ug/l	99
7) Trichlorofluoromethane	1.89	101	46515	18.755	ug/l	99
8) Diethyl Ether	2.11	74	21090	18.460	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	28722	19.941	ug/l	99
10) Methyl Iodide	2.41	142	25950	25.488	ug/l	97
11) Tert butyl alcohol	2.83	59	44589	95.182	ug/l	98
12) 1,1-Dichloroethene	2.28	96	26423	18.777	ug/l	98
13) Acrolein	2.20	56	15348	39.045	ug/l	100
14) Allyl chloride	2.59	41	60116	17.990	ug/l	96
15) Acrylonitrile	2.94	53	114703	94.075	ug/l	100
16) Acetone	2.32	43	113939	86.699	ug/l	97
17) Carbon Disulfide	2.48	76	81471	16.052	ug/l	100
18) Methyl Acetate	2.62	43	62781	20.941	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	109253	19.376	ug/l	100
20) Methylene Chloride	2.70	84	33675	18.396	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	29218	18.494	ug/l	97
22) Diisopropyl ether	3.58	45	127481	18.769	ug/l	97
23) Vinyl Acetate	3.53	43	538303	90.753	ug/l	99
24) 1,1-Dichloroethane	3.45	63	65368	18.721	ug/l	99
25) 2-Butanone	4.26	43	166352	92.825	ug/l	99
26) 2,2-Dichloropropane	4.23	77	52950	18.456	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	33789	18.702	ug/l	98
28) Bromochloromethane	4.55	49	33419	19.838	ug/l	95
29) Tetrahydrofuran	4.64	42	106753	94.521	ug/l	99
30) Chloroform	4.67	83	59539	19.193	ug/l	98
31) Cyclohexane	5.00	56	60960	16.929	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	49355	18.890	ug/l	99
36) 1,1-Dichloropropene	5.14	75	43681	18.039	ug/l	98
37) Ethyl Acetate	4.39	43	58138	18.578	ug/l	99
38) Carbon Tetrachloride	5.13	117	41477	18.963	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	51936	18.348	ug/l	97
40) Benzene	5.39	78	135020	19.143	ug/l	100
41) Methacrylonitrile	4.55	41	32739	18.509	ug/l	96
42) 1,2-Dichloroethane	5.40	62	49703	18.984	ug/l	98
43) Isopropyl Acetate	5.55	43	93502	19.238	ug/l	100
44) Trichloroethene	6.19	130	30369	19.309	ug/l	98
45) 1,2-Dichloropropane	6.43	63	39414	19.374	ug/l	99
46) Dibromomethane	6.56	93	22841	19.879	ug/l	98
47) Bromodichloromethane	6.76	83	45758	19.192	ug/l	98
48) Methyl methacrylate	6.62	41	45671	18.896	ug/l	98
49) 1,4-Dioxane	6.61	88	18162	436.729	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	301571	95.484	ug/l	99
52) Toluene	7.64	92	80035	19.171	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	53101	18.996	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	57749	19.217	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	32394	19.570	ug/l	100
56) Ethyl methacrylate	8.02	69	53886	18.499	ug/l	97
57) 1,3-Dichloropropane	8.24	76	61187	19.042	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	148859	90.930	ug/l	99
59) 2-Hexanone	8.36	43	234334	95.647	ug/l	99
60) Dibromochloromethane	8.48	129	32296	19.454	ug/l	99
61) 1,2-Dibromoethane	8.59	107	33700	19.149	ug/l	100
64) Tetrachloroethene	8.23	164	25020	19.770	ug/l	99
65) Chlorobenzene	9.12	112	83129	19.427	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	29736	20.130	ug/l	99
67) Ethyl Benzene	9.25	91	145332	19.169	ug/l	100
68) m/p-Xylenes	9.38	106	110164	39.725	ug/l	99
69) o-Xylene	9.78	106	53072	20.139	ug/l	99
70) Styrene	9.79	104	87149	19.177	ug/l	99
71) Bromoform	9.96	173	23299	19.603	ug/l #	99
73) Isopropylbenzene	10.17	105	144952	19.934	ug/l	100
74) N-amyl acetate	10.02	43	78606	18.883	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	55143	19.313	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	49823m	19.197	ug/l	
77) Bromobenzene	10.45	156	33389	19.757	ug/l	98
78) n-propylbenzene	10.59	91	171653	19.645	ug/l	100
79) 2-Chlorotoluene	10.66	91	102843	19.494	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	119206	20.136	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	19172m	19.333	ug/l	
82) 4-Chlorotoluene	10.77	91	117147	19.567	ug/l	99
83) tert-Butylbenzene	11.10	119	115719	20.219	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	120842	19.982	ug/l	98
85) sec-Butylbenzene	11.32	105	145232	20.140	ug/l	100
86) p-Isopropyltoluene	11.48	119	125259	20.287	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	61198	19.124	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	62430	19.092	ug/l	99
89) n-Butylbenzene	11.89	91	108811	17.909	ug/l	99
90) Hexachloroethane	12.15	117	22771	19.566	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	62187	19.965	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12340	19.501	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	40037	19.865	ug/l	99
94) Hexachlorobutadiene	13.69	225	20196	19.833	ug/l	98
95) Naphthalene	13.74	128	135760	19.000	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	42354	20.171	ug/l	99

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

