

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027913.D
 Acq On : 02 Nov 2018 10:09
 Operator : MD/SY
 Sample : VU1102WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:29:14 AM

Quant Time: Nov 03 04:17:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	133317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	225540	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	204305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94854	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	69293	34.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	69.92%	
35) Dibromofluoromethane	4.88	113	51203	36.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.02%	
50) Toluene-d8	7.57	98	193365	35.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.40%	
62) 4-Bromofluorobenzene	10.31	95	68865	33.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	28122	16.601	ug/l	100
3) Chloromethane	1.33	50	33970	16.581	ug/l	97
4) Vinyl Chloride	1.40	62	32860	16.160	ug/l	100
5) Bromomethane	1.63	94	15255	20.524	ug/l	98
6) Chloroethane	1.70	64	19514	16.653	ug/l	96
7) Trichlorofluoromethane	1.89	101	38549	16.406	ug/l	99
8) Diethyl Ether	2.11	74	16292	16.193	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23043	16.508	ug/l	99
10) Methyl Iodide	2.41	142	13192	16.453	ug/l	99
11) Tert butyl alcohol	2.83	59	41806	79.672	ug/l	99
12) 1,1-Dichloroethene	2.28	96	21649	15.494	ug/l	96
13) Acrolein	2.20	56	11351	53.468	ug/l	92
14) Allyl chloride	2.59	41	52011	15.231	ug/l	98
15) Acrylonitrile	2.94	53	102044	79.169	ug/l	99
16) Acetone	2.32	43	101838	82.811	ug/l	97
17) Carbon Disulfide	2.48	76	73130	16.013	ug/l	99
18) Methyl Acetate	2.62	43	50608	14.960	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	89344	15.856	ug/l	97
20) Methylene Chloride	2.70	84	28343	15.785	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	24253	15.041	ug/l	96
22) Diisopropyl ether	3.57	45	107842	15.296	ug/l #	88
23) Vinyl Acetate	3.53	43	476137	78.582	ug/l	100
24) 1,1-Dichloroethane	3.45	63	53837	15.331	ug/l	99
25) 2-Butanone	4.27	43	155495	79.479	ug/l	99
26) 2,2-Dichloropropane	4.22	77	41742	15.839	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	29919	16.546	ug/l	97
28) Bromochloromethane	4.55	49	23698	14.395	ug/l	100
29) Tetrahydrofuran	4.64	42	100102	76.625	ug/l	99
30) Chloroform	4.67	83	49106	15.251	ug/l	92
31) Cyclohexane	5.00	56	55119	14.805	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	39804	15.530	ug/l	97
36) 1,1-Dichloropropene	5.14	75	37286	15.785	ug/l	98
37) Ethyl Acetate	4.39	43	54409	15.720	ug/l	99
38) Carbon Tetrachloride	5.13	117	33517	16.011	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	46591	16.353	ug/l	100
40) Benzene	5.39	78	114993	15.923	ug/l	98
41) Methacrylonitrile	4.55	41	30196	16.348	ug/l	98
42) 1,2-Dichloroethane	5.41	62	40796	15.892	ug/l	100
43) Isopropyl Acetate	5.55	43	86090	15.876	ug/l	99
44) Trichloroethene	6.19	130	25115	16.178	ug/l	96
45) 1,2-Dichloropropane	6.43	63	33644	16.153	ug/l	96
46) Dibromomethane	6.57	93	19281	16.105	ug/l	96
47) Bromodichloromethane	6.76	83	36368	15.763	ug/l	94
48) Methyl methacrylate	6.63	41	41520	15.625	ug/l	98
49) 1,4-Dioxane	6.61	88	15624	360.388	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	281502	77.735	ug/l	99
52) Toluene	7.64	92	66714	15.713	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	41978	15.462	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	45808	16.106	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	27799	16.093	ug/l	97
56) Ethyl methacrylate	8.02	69	46609	15.301	ug/l	96
57) 1,3-Dichloropropane	8.24	76	49626	15.771	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	97205	59.581	ug/l	100
59) 2-Hexanone	8.36	43	218677	78.075	ug/l	99
60) Dibromochloromethane	8.48	129	25604	15.664	ug/l	97
61) 1,2-Dibromoethane	8.59	107	29439	16.039	ug/l	99
64) Tetrachloroethene	8.23	164	21367	16.129	ug/l	95
65) Chlorobenzene	9.12	112	68935	15.970	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	24264	16.458	ug/l	99
67) Ethyl Benzene	9.25	91	126496	15.921	ug/l	99
68) m/p-Xylenes	9.38	106	92801	32.191	ug/l	99
69) o-Xylene	9.78	106	45924	15.776	ug/l	98
70) Styrene	9.79	104	74310	15.976	ug/l	99
71) Bromoform	9.96	173	18139	14.680	ug/l #	97
73) Isopropylbenzene	10.17	105	122669	16.694	ug/l	99
74) N-amyl acetate	10.02	43	72851	16.395	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	48547	16.379	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	42307m	16.306	ug/l	
77) Bromobenzene	10.45	156	29125	17.285	ug/l	98
78) n-propylbenzene	10.59	91	142401	16.190	ug/l	100
79) 2-Chlorotoluene	10.66	91	85258	16.171	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	100305	16.478	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	12984m	12.692	ug/l	
82) 4-Chlorotoluene	10.77	91	95816	16.008	ug/l	99
83) tert-Butylbenzene	11.10	119	98532	16.191	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	102742	16.762	ug/l	100
85) sec-Butylbenzene	11.32	105	122469	16.548	ug/l	99
86) p-Isopropyltoluene	11.48	119	100631	16.265	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	49815	16.004	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	49680	15.572	ug/l	95
89) n-Butylbenzene	11.89	91	90610	15.410	ug/l	100
90) Hexachloroethane	12.15	117	17340	15.742	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	50811	16.233	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10343	16.560	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	32083	15.099	ug/l	94
94) Hexachlorobutadiene	13.69	225	17017	17.105	ug/l	97
95) Naphthalene	13.75	128	111144	14.155	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	33481	15.940	ug/l	99

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

