

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110218\
 Data File : VU027915.D
 Acq On : 02 Nov 2018 10:56
 Operator : MD/SY
 Sample : VU1102WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1102WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 2:40:18 PM

Quant Time: Nov 03 04:21:49 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	4.99	168	154002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	277732	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	254885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	121811	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	126764	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
35) Dibromofluoromethane	4.89	113	93458	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	7.57	98	343706	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	10.31	95	125554	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	38955	19.907	ug/l	97
3) Chloromethane	1.33	50	46909	19.821	ug/l	99
4) Vinyl Chloride	1.40	62	46449	19.775	ug/l	100
5) Bromomethane	1.62	94	20444	23.508	ug/l	100
6) Chloroethane	1.70	64	27491	20.309	ug/l	98
7) Trichlorofluoromethane	1.88	101	51563	18.997	ug/l	93
8) Diethyl Ether	2.11	74	25022	21.530	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	30843	19.128	ug/l	98
10) Methyl Iodide	2.41	142	19884	19.103	ug/l	97
11) Tert butyl alcohol	2.83	59	61734	101.848	ug/l	100
12) 1,1-Dichloroethene	2.28	96	31035	19.228	ug/l	98
13) Acrolein	2.20	56	21820	93.614	ug/l	99
14) Allyl chloride	2.59	41	77257	19.585	ug/l	97
15) Acrylonitrile	2.94	53	160275	107.644	ug/l	99
16) Acetone	2.32	43	147284	103.680	ug/l	97
17) Carbon Disulfide	2.48	76	98277	18.629	ug/l	98
18) Methyl Acetate	2.62	43	82098	21.009	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	141306	21.710	ug/l	99
20) Methylene Chloride	2.70	84	42129	20.312	ug/l	91
21) trans-1,2-Dichloroethene	2.98	96	35797	19.218	ug/l	99
22) Diisopropyl ether	3.58	45	171525	21.061	ug/l	95
23) Vinyl Acetate	3.53	43	758745	108.404	ug/l	99
24) 1,1-Dichloroethane	3.45	63	82266	20.280	ug/l	99
25) 2-Butanone	4.27	43	238548	105.553	ug/l	100
26) 2,2-Dichloropropane	4.23	77	58746	19.297	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	44239	21.180	ug/l	98
28) Bromochloromethane	4.55	49	43012	22.617	ug/l	97
29) Tetrahydrofuran	4.64	42	160403	106.291	ug/l	99
30) Chloroform	4.68	83	75290	20.242	ug/l	97
31) Cyclohexane	5.00	56	76813	18.222	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	58999	19.927	ug/l	99
36) 1,1-Dichloropropene	5.14	75	52307	17.982	ug/l	98
37) Ethyl Acetate	4.39	43	87030	20.420	ug/l	99
38) Carbon Tetrachloride	5.14	117	46039	17.860	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	63610	18.131	ug/l	98
40) Benzene	5.39	78	171949	19.335	ug/l	99
41) Methacrylonitrile	4.55	41	49053	21.566	ug/l	98
42) 1,2-Dichloroethane	5.40	62	63129	19.970	ug/l	100
43) Isopropyl Acetate	5.55	43	135776	20.334	ug/l	99
44) Trichloroethene	6.19	130	35469	18.554	ug/l	95
45) 1,2-Dichloropropane	6.43	63	51087	19.919	ug/l	100
46) Dibromomethane	6.56	93	30776	20.876	ug/l	98
47) Bromodichloromethane	6.76	83	56302	19.817	ug/l	98
48) Methyl methacrylate	6.63	41	68421	20.910	ug/l	98
49) 1,4-Dioxane	6.62	88	21929	410.766	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	449285	100.752	ug/l	99
52) Toluene	7.64	92	101512	19.416	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	65478	19.287	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	71929	20.538	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	44347	20.849	ug/l	94
56) Ethyl methacrylate	8.02	69	76851	20.487	ug/l	98
57) 1,3-Dichloropropane	8.24	76	81126	20.937	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	202471	100.781	ug/l	100
59) 2-Hexanone	8.36	43	344285	99.822	ug/l	99
60) Dibromochloromethane	8.48	129	39702	19.725	ug/l	98
61) 1,2-Dibromoethane	8.59	107	46254	20.465	ug/l	98
64) Tetrachloroethene	8.23	164	29746	17.998	ug/l	97
65) Chlorobenzene	9.12	112	105882	19.662	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	35864	19.498	ug/l	97
67) Ethyl Benzene	9.25	91	188212	18.988	ug/l	100
68) m/p-Xylenes	9.38	106	138385	38.478	ug/l	98
69) o-Xylene	9.78	106	67724	18.648	ug/l	97
70) Styrene	9.79	104	111739	19.256	ug/l	99
71) Bromoform	9.96	173	30649	19.883	ug/l #	99
73) Isopropylbenzene	10.17	105	179710	19.044	ug/l	99
74) N-amyl acetate	10.02	43	118463	20.761	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	77931	20.474	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	63843m	19.161	ug/l	
77) Bromobenzene	10.45	156	42895	19.824	ug/l	99
78) n-propylbenzene	10.59	91	207381	18.360	ug/l	100
79) 2-Chlorotoluene	10.66	91	128624	18.997	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	149609	19.139	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	24809m	18.756	ug/l	
82) 4-Chlorotoluene	10.77	91	143040	18.609	ug/l	100
83) tert-Butylbenzene	11.10	119	145890	18.668	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	152030	19.314	ug/l	100
85) sec-Butylbenzene	11.32	105	176172	18.536	ug/l	99
86) p-Isopropyltoluene	11.48	119	149468	18.812	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	74629	18.670	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	75619	18.457	ug/l	97
89) n-Butylbenzene	11.89	91	134714	17.841	ug/l	99
90) Hexachloroethane	12.15	117	25851	18.275	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	79003	19.654	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16856	21.016	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	49152	17.881	ug/l	98
94) Hexachlorobutadiene	13.69	225	23505	18.398	ug/l	100
95) Naphthalene	13.74	128	187682	18.670	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	54197	20.093	ug/l	99

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

