

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025012.D
 Acq On : 28 Jun 2018 11:50
 Operator : MD/SY
 Sample : VU0628WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:26 PM

Quant Time: Jun 29 05:34:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	183678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	270126	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	251628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148969	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	138820	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
35) Dibromofluoromethane	4.89	113	110274	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	7.57	98	370296	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
62) 4-Bromofluorobenzene	10.31	95	150598	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	38341	16.68	ug/l	98
3) Chloromethane	1.33	50	40009	17.03	ug/l	99
4) Vinyl Chloride	1.40	62	42514	17.55	ug/l	98
5) Bromomethane	1.62	94	28246	24.12	ug/l	100
6) Chloroethane	1.70	64	28196	20.20	ug/l	99
7) Trichlorofluoromethane	1.89	101	71998	19.48	ug/l	99
8) Diethyl Ether	2.10	74	27195	20.51	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43995	19.18	ug/l	98
10) Methyl Iodide	2.41	142	45829	26.40	ug/l	99
11) Tert butyl alcohol	2.82	59	65492	89.80	ug/l	100
12) 1,1-Dichloroethene	2.28	96	39231	18.76	ug/l	97
13) Acrolein	2.20	56	13122	34.26	ug/l	97
14) Allyl chloride	2.60	41	67381	17.35	ug/l	99
15) Acrylonitrile	2.94	53	136322	96.08	ug/l	98
16) Acetone	2.32	43	160949	99.90	ug/l	97
17) Carbon Disulfide	2.48	76	113026	16.88	ug/l	98
18) Methyl Acetate	2.62	43	77922	22.56	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	158570	20.17	ug/l	94
20) Methylene Chloride	2.71	84	48893	19.34	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	44070	19.13	ug/l	97
22) Diisopropyl ether	3.57	45	152986	19.87	ug/l	92
23) Vinyl Acetate	3.53	43	644206	93.42	ug/l	100
24) 1,1-Dichloroethane	3.45	63	85754	19.36	ug/l	99
25) 2-Butanone	4.26	43	211254	97.62	ug/l	98
26) 2,2-Dichloropropane	4.23	77	80923	19.24	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	53156	20.07	ug/l	99
28) Bromochloromethane	4.55	49	40291	20.66	ug/l	87
29) Tetrahydrofuran	4.64	42	125922	93.96	ug/l	97
30) Chloroform	4.68	83	90236	20.13	ug/l	100
31) Cyclohexane	5.00	56	79984	19.12	ug/l	91
32) 1,1,1-Trichloroethane	4.92	97	84001	20.27	ug/l	96
36) 1,1-Dichloropropene	5.14	75	62803	19.79	ug/l	98
37) Ethyl Acetate	4.38	43	71808	20.76	ug/l	96
38) Carbon Tetrachloride	5.14	117	73149	20.96	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	82204	20.75	ug/l	95
40) Benzene	5.39	78	186495	20.62	ug/l	100
41) Methacrylonitrile	4.54	41	41678	22.34	ug/l	100
42) 1,2-Dichloroethane	5.41	62	79085	22.96	ug/l	99
43) Isopropyl Acetate	5.55	43	119952	20.06	ug/l	99
44) Trichloroethene	6.19	130	52852	20.53	ug/l	93
45) 1,2-Dichloropropane	6.44	63	50614	20.97	ug/l	97
46) Dibromomethane	6.56	93	37186	21.94	ug/l	95
47) Bromodichloromethane	6.76	83	69291	20.53	ug/l	99
48) Methyl methacrylate	6.63	41	59939	20.58	ug/l	97
49) 1,4-Dioxane	6.62	88	26805	470.70	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	379036	100.89	ug/l	98
52) Toluene	7.64	92	120253	20.67	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	74771	19.72	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	78805	19.51	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	50055	21.16	ug/l	100
56) Ethyl methacrylate	8.02	69	78227	19.76	ug/l	97
57) 1,3-Dichloropropane	8.25	76	84183	21.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	43114	28.43	ug/l	94
59) 2-Hexanone	8.36	43	307425	100.23	ug/l	98
60) Dibromochloromethane	8.48	129	56153	19.04	ug/l	100
61) 1,2-Dibromoethane	8.59	107	54725	20.79	ug/l	98
64) Tetrachloroethene	8.23	164	49724	20.79	ug/l	99
65) Chlorobenzene	9.12	112	138567	21.56	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51478	21.08	ug/l	98
67) Ethyl Benzene	9.25	91	239459	21.25	ug/l	98
68) m/p-Xylenes	9.38	106	187507	43.33	ug/l	97
69) o-Xylene	9.78	106	92155	21.52	ug/l	97
70) Styrene	9.80	104	146108	20.76	ug/l	99
71) Bromoform	9.96	173	43168	18.60	ug/l #	99
73) Isopropylbenzene	10.17	105	247141	21.61	ug/l	98
74) N-amyl acetate	10.01	43	101741	18.70	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	81315	21.22	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	71509m	21.80	ug/l	
77) Bromobenzene	10.45	156	62498	21.58	ug/l	95
78) n-propylbenzene	10.59	91	279045	20.71	ug/l	97
79) 2-Chlorotoluene	10.66	91	170083	21.41	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	217587	21.95	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	26294m	18.55	ug/l	
82) 4-Chlorotoluene	10.78	91	196338	21.23	ug/l	99
83) tert-Butylbenzene	11.10	119	212457	22.28	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	217038	21.48	ug/l	100
85) sec-Butylbenzene	11.33	105	257173	21.55	ug/l	99
86) p-Isopropyltoluene	11.48	119	225102	21.06	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	112995	21.12	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	114728	21.31	ug/l	99
89) n-Butylbenzene	11.89	91	181604	19.13	ug/l	98
90) Hexachloroethane	12.15	117	38812	18.61	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	116968	21.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20888	19.75	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	74349	22.47	ug/l	99
94) Hexachlorobutadiene	13.70	225	40447	21.72	ug/l	99
95) Naphthalene	13.75	128	241282	22.41	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	77446	23.49	ug/l	99

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

