

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025893.D
 Acq On : 06 Aug 2018 18:04
 Operator : MD/SY
 Sample : VU0806WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0806WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 1:51:39 PM

Quant Time: Aug 07 01:38:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	258464	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	250284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155658	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	138928	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
35) Dibromofluoromethane	4.89	113	111094	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	7.57	98	386860	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	10.31	95	148529	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	39848	15.53	ug/l	98
3) Chloromethane	1.33	50	44132	17.99	ug/l	99
4) Vinyl Chloride	1.40	62	42700	18.50	ug/l	97
5) Bromomethane	1.63	94	25316	22.45	ug/l	99
6) Chloroethane	1.70	64	26767	19.83	ug/l	97
7) Trichlorofluoromethane	1.89	101	66111	19.81	ug/l	99
8) Diethyl Ether	2.10	74	23955	19.83	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	40243	20.83	ug/l	96
10) Methyl Iodide	2.41	142	30443	22.59	ug/l	100
11) Tert butyl alcohol	2.83	59	53259	91.94	ug/l	100
12) 1,1-Dichloroethene	2.28	96	36449	19.99	ug/l	98
13) Acrolein	2.19	56	34387	163.20	ug/l	99
14) Allyl chloride	2.59	41	61449	18.75	ug/l	99
15) Acrylonitrile	2.94	53	124970	108.05	ug/l	95
16) Acetone	2.32	43	142758	110.66	ug/l	98
17) Carbon Disulfide	2.48	76	114158	19.35	ug/l	100
18) Methyl Acetate	2.62	43	59269	19.09	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	136906	20.72	ug/l	99
20) Methylene Chloride	2.70	84	44958	19.66	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	41839	19.85	ug/l	97
22) Diisopropyl ether	3.58	45	133661	20.70	ug/l	95
23) Vinyl Acetate	3.53	43	583838	103.75	ug/l	99
24) 1,1-Dichloroethane	3.45	63	79538	20.52	ug/l	100
25) 2-Butanone	4.27	43	219052	124.74	ug/l	100
26) 2,2-Dichloropropane	4.23	77	64931	18.43	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	45969	19.34	ug/l	96
28) Bromochloromethane	4.55	49	34377	19.84	ug/l	100
29) Tetrahydrofuran	4.64	42	108543	103.17	ug/l	99
30) Chloroform	4.68	83	83852	20.49	ug/l	100
31) Cyclohexane	5.00	56	69026	19.65	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	75343	20.45	ug/l	99
36) 1,1-Dichloropropene	5.14	75	60279	19.96	ug/l	98
37) Ethyl Acetate	4.38	43	65416	20.89	ug/l	99
38) Carbon Tetrachloride	5.14	117	67341	19.68	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	63651	18.39	ug/l	96
40) Benzene	5.39	78	174543	19.77	ug/l	99
41) Methacrylonitrile	4.55	41	35500	20.41	ug/l	98
42) 1,2-Dichloroethane	5.41	62	68689	20.20	ug/l	99
43) Isopropyl Acetate	5.55	43	104803	20.25	ug/l	99
44) Trichloroethene	6.19	130	48633	19.78	ug/l	99
45) 1,2-Dichloropropane	6.44	63	46131	20.03	ug/l	99
46) Dibromomethane	6.56	93	33983	20.37	ug/l	97
47) Bromodichloromethane	6.76	83	65028	20.43	ug/l	98
48) Methyl methacrylate	6.63	41	50514	19.91	ug/l	98
49) 1,4-Dioxane	6.62	88	21898	354.75	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	415524	128.24	ug/l	99
52) Toluene	7.64	92	112989	20.60	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	68970	19.30	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	73759	20.09	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	45834	20.11	ug/l	97
56) Ethyl methacrylate	8.02	69	65073	19.98	ug/l	97
57) 1,3-Dichloropropane	8.25	76	75813	19.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	117822	84.70	ug/l	100
59) 2-Hexanone	8.36	43	311744	122.74	ug/l	99
60) Dibromochloromethane	8.48	129	53069	19.74	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51326	20.25	ug/l	99
64) Tetrachloroethene	8.23	164	46172	20.96	ug/l	97
65) Chlorobenzene	9.12	112	127030	19.69	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	48922	20.96	ug/l	97
67) Ethyl Benzene	9.25	91	210112	19.66	ug/l	100
68) m/p-Xylenes	9.38	106	166148	40.49	ug/l	100
69) o-Xylene	9.78	106	78872	19.67	ug/l	99
70) Styrene	9.80	104	131595	20.31	ug/l	97
71) Bromoform	9.96	173	40129	19.83	ug/l #	100
73) Isopropylbenzene	10.17	105	215224	20.26	ug/l	97
74) N-amyl acetate	10.02	43	86512	19.95	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	73448	19.99	ug/l	96
76) 1,2,3-Trichloropropane	10.50	75	62498m	18.22	ug/l	
77) Bromobenzene	10.45	156	59051	20.15	ug/l	98
78) n-propylbenzene	10.59	91	249804	20.15	ug/l	100
79) 2-Chlorotoluene	10.66	91	150227	20.68	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	183817	20.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.52	75	19759m	14.45	ug/l	
82) 4-Chlorotoluene	10.78	91	174543	20.39	ug/l	98
83) tert-Butylbenzene	11.10	119	170465	19.02	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	188710	20.64	ug/l	98
85) sec-Butylbenzene	11.33	105	213162	19.48	ug/l	100
86) p-Isopropyltoluene	11.48	119	191404	19.53	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	109272	20.09	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	109290	19.28	ug/l	98
89) n-Butylbenzene	11.89	91	166188	18.38	ug/l	98
90) Hexachloroethane	12.15	117	32219	18.49	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	105604	19.81	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17508	20.10	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	66342	18.44	ug/l	98
94) Hexachlorobutadiene	13.70	225	31452	16.58	ug/l	98
95) Naphthalene	13.75	128	200014	18.12	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	69893	19.47	ug/l	99

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

