

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025162.D
 Acq On : 02 Jul 2018 23:45
 Operator : MD/SY
 Sample : VU0702WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS02

Manual Integrations
 APPROVED

sam
 7/3/2018 3:52:52 PM

Quant Time: Jul 03 06:51:15 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	162647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	251987	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	234352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	131911	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	128638	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	4.89	113	104972	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	7.57	98	328267	43.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.06%	
62) 4-Bromofluorobenzene	10.31	95	138483	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	34835	17.11	ug/l	99
3) Chloromethane	1.33	50	38754	18.63	ug/l	100
4) Vinyl Chloride	1.40	62	41659	19.42	ug/l	96
5) Bromomethane	1.62	94	25487	24.58	ug/l	99
6) Chloroethane	1.70	64	27215	22.12	ug/l	98
7) Trichlorofluoromethane	1.89	101	67555	20.64	ug/l	99
8) Diethyl Ether	2.10	74	26057	22.35	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39412	19.41	ug/l	96
10) Methyl Iodide	2.41	142	39970	26.09	ug/l	96
11) Tert butyl alcohol	2.82	59	74542	115.43	ug/l	99
12) 1,1-Dichloroethene	2.28	96	37286	20.13	ug/l	98
13) Acrolein	2.19	56	8446	24.91	ug/l	86
14) Allyl chloride	2.59	41	61957	18.02	ug/l	98
15) Acrylonitrile	2.94	53	140861	112.11	ug/l	99
16) Acetone	2.32	43	136223	95.48	ug/l	100
17) Carbon Disulfide	2.48	76	100248	16.90	ug/l	98
18) Methyl Acetate	2.62	43	86602	28.32	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	151014	21.69	ug/l	94
20) Methylene Chloride	2.70	84	50691	22.64	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	40617	19.91	ug/l	98
22) Diisopropyl ether	3.57	45	145201	21.30	ug/l	97
23) Vinyl Acetate	3.53	43	594268	97.32	ug/l	100
24) 1,1-Dichloroethane	3.45	63	83158	21.21	ug/l	99
25) 2-Butanone	4.26	43	206275	107.64	ug/l	98
26) 2,2-Dichloropropane	4.23	77	52026	13.97	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	48489	20.68	ug/l	98
28) Bromochloromethane	4.55	49	35470	20.54	ug/l	85
29) Tetrahydrofuran	4.63	42	129887	109.45	ug/l	97
30) Chloroform	4.68	83	87101	21.94	ug/l	98
31) Cyclohexane	5.00	56	73047	19.78	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	79508	21.66	ug/l	97
36) 1,1-Dichloropropene	5.14	75	58706	19.83	ug/l	97
37) Ethyl Acetate	4.38	43	74925	23.22	ug/l	99
38) Carbon Tetrachloride	5.14	117	67864	20.84	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	71895	19.46	ug/l	95
40) Benzene	5.39	78	178727	21.18	ug/l	100
41) Methacrylonitrile	4.54	41	40993	23.56	ug/l	98
42) 1,2-Dichloroethane	5.41	62	75749	23.57	ug/l	98
43) Isopropyl Acetate	5.55	43	119218	21.37	ug/l	99
44) Trichloroethene	6.19	130	48767	20.31	ug/l	97
45) 1,2-Dichloropropane	6.44	63	47908	21.28	ug/l	97
46) Dibromomethane	6.56	93	34519	21.83	ug/l	94
47) Bromodichloromethane	6.76	83	65280	20.73	ug/l #	97
48) Methyl methacrylate	6.63	41	61722	22.72	ug/l	97
49) 1,4-Dioxane	6.62	88	28633	538.99	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	391286	111.64	ug/l	99
52) Toluene	7.64	92	114923	21.17	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	65336	18.48	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	69842	18.54	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	47346	21.46	ug/l	100
56) Ethyl methacrylate	8.02	69	76535	20.72	ug/l	98
57) 1,3-Dichloropropane	8.25	76	82480	22.16	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	133658	94.47	ug/l	96
59) 2-Hexanone	8.36	43	306572	107.14	ug/l	100
60) Dibromochloromethane	8.48	129	51514	18.72	ug/l	99
61) 1,2-Dibromoethane	8.59	107	52175	21.24	ug/l	97
64) Tetrachloroethene	8.23	164	50549	22.69	ug/l	96
65) Chlorobenzene	9.12	112	130329	21.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	48909	21.50	ug/l	97
67) Ethyl Benzene	9.25	91	222224	21.17	ug/l	99
68) m/p-Xylenes	9.38	106	171934	42.66	ug/l	98
69) o-Xylene	9.78	106	85560	21.45	ug/l	100
70) Styrene	9.80	104	135206	20.63	ug/l	99
71) Bromoform	9.96	173	39941	18.47	ug/l #	99
73) Isopropylbenzene	10.17	105	231683	22.88	ug/l	100
74) N-amyl acetate	10.01	43	99317	20.62	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	79018	23.28	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	68104m	23.45	ug/l	
77) Bromobenzene	10.45	156	59063	23.04	ug/l	95
78) n-propylbenzene	10.59	91	250026	20.96	ug/l	97
79) 2-Chlorotoluene	10.66	91	156148	22.19	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	193573	22.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	21348m	17.01	ug/l	
82) 4-Chlorotoluene	10.78	91	175601	21.44	ug/l	99
83) tert-Butylbenzene	11.10	119	191057	22.63	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	197224	22.05	ug/l	100
85) sec-Butylbenzene	11.33	105	228522	21.62	ug/l	98
86) p-Isopropyltoluene	11.48	119	200692	21.20	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	102841	21.71	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	99620	20.89	ug/l	99
89) n-Butylbenzene	11.89	91	151934	18.08	ug/l	98
90) Hexachloroethane	12.15	117	34880	18.89	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	106409	22.43	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19863	21.21	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	59544	20.32	ug/l	99
94) Hexachlorobutadiene	13.70	225	33892	20.55	ug/l	98
95) Naphthalene	13.75	128	205604	21.59	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	65508	22.44	ug/l	99

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

