

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025163.D
 Acq On : 03 Jul 2018 00:10
 Operator : MD/SY
 Sample : VU0702WBS03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS03

Manual Integrations
 APPROVED

sam
 7/3/2018 3:52:57 PM

Quant Time: Jul 03 06:52:50 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	159697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	246761	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	228142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	129587	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	126449	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
35) Dibromofluoromethane	4.89	113	103052	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	7.57	98	331580	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
62) 4-Bromofluorobenzene	10.31	95	137162	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	34266	17.14	ug/l	98
3) Chloromethane	1.33	50	37551	18.39	ug/l	98
4) Vinyl Chloride	1.40	62	41122	19.53	ug/l	100
5) Bromomethane	1.62	94	24546	24.11	ug/l	94
6) Chloroethane	1.70	64	27519	22.81	ug/l	98
7) Trichlorofluoromethane	1.89	101	67344	20.95	ug/l	97
8) Diethyl Ether	2.10	74	26609	23.32	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39352	19.74	ug/l	97
10) Methyl Iodide	2.41	142	42129	27.61	ug/l	99
11) Tert butyl alcohol	2.82	59	72250	113.95	ug/l	99
12) 1,1-Dichloroethene	2.28	96	37213	20.46	ug/l	96
13) Acrolein	2.19	56	17329	52.04	ug/l	98
14) Allyl chloride	2.59	41	62183	18.42	ug/l	99
15) Acrylonitrile	2.94	53	137265	111.27	ug/l	98
16) Acetone	2.32	43	135354	96.63	ug/l	99
17) Carbon Disulfide	2.48	76	101180	17.38	ug/l	100
18) Methyl Acetate	2.62	43	85720	28.54	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	150049	21.95	ug/l	96
20) Methylene Chloride	2.71	84	50670	23.05	ug/l	91
21) trans-1,2-Dichloroethene	2.99	96	41459	20.70	ug/l	97
22) Diisopropyl ether	3.57	45	144050	21.52	ug/l	95
23) Vinyl Acetate	3.53	43	582190	97.10	ug/l	99
24) 1,1-Dichloroethane	3.45	63	81836	21.25	ug/l	99
25) 2-Butanone	4.26	43	202049	107.38	ug/l	96
26) 2,2-Dichloropropane	4.23	77	50232	13.74	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	49391	21.45	ug/l	96
28) Bromochloromethane	4.55	49	35686	21.04	ug/l	86
29) Tetrahydrofuran	4.64	42	127701	109.60	ug/l	97
30) Chloroform	4.68	83	85513	21.94	ug/l	100
31) Cyclohexane	5.00	56	72872	20.13	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	78471	21.77	ug/l	97
36) 1,1-Dichloropropene	5.14	75	59539	20.53	ug/l	98
37) Ethyl Acetate	4.38	43	71582	22.65	ug/l	99
38) Carbon Tetrachloride	5.14	117	67804	21.26	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72299	19.98	ug/l	95
40) Benzene	5.39	78	178940	21.66	ug/l	98
41) Methacrylonitrile	4.54	41	40339	23.67	ug/l	98
42) 1,2-Dichloroethane	5.41	62	73850	23.47	ug/l	99
43) Isopropyl Acetate	5.55	43	115799	21.20	ug/l	99
44) Trichloroethene	6.19	130	48277	20.53	ug/l	99
45) 1,2-Dichloropropane	6.44	63	47978	21.76	ug/l	94
46) Dibromomethane	6.56	93	34071	22.00	ug/l	93
47) Bromodichloromethane	6.76	83	64141	20.80	ug/l	97
48) Methyl methacrylate	6.63	41	60204	22.63	ug/l	97
49) 1,4-Dioxane	6.61	88	28957	556.64	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	382719	111.51	ug/l	98
52) Toluene	7.64	92	113461	21.34	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	65148	18.81	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	69236	18.76	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	47062	21.78	ug/l	98
56) Ethyl methacrylate	8.02	69	74115	20.49	ug/l	97
57) 1,3-Dichloropropane	8.25	76	79548	21.82	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.13	63	129951	93.79	ug/l	96
59) 2-Hexanone	8.36	43	297831	106.29	ug/l	99
60) Dibromochloromethane	8.48	129	50727	18.83	ug/l	99
61) 1,2-Dibromoethane	8.59	107	52262	21.73	ug/l	100
64) Tetrachloroethene	8.23	164	50480	23.28	ug/l	97
65) Chlorobenzene	9.12	112	127037	21.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49842	22.51	ug/l	98
67) Ethyl Benzene	9.25	91	221128	21.64	ug/l	97
68) m/p-Xylenes	9.38	106	172483	43.96	ug/l	97
69) o-Xylene	9.78	106	87614	22.56	ug/l	97
70) Styrene	9.80	104	132995	20.84	ug/l	99
71) Bromoform	9.96	173	39488	18.76	ug/l	# 100
73) Isopropylbenzene	10.17	105	228679	22.98	ug/l	99
74) N-amyl acetate	10.01	43	97579	20.62	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	77894	23.36	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	65892m	23.10	ug/l	
77) Bromobenzene	10.45	156	58247	23.13	ug/l	94
78) n-propylbenzene	10.59	91	247251	21.10	ug/l	97
79) 2-Chlorotoluene	10.66	91	156381	22.63	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	195312	22.65	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	22061m	17.90	ug/l	
82) 4-Chlorotoluene	10.78	91	173783	21.60	ug/l	99
83) tert-Butylbenzene	11.10	119	191573	23.09	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	194136	22.09	ug/l	100
85) sec-Butylbenzene	11.33	105	227561	21.92	ug/l	99
86) p-Isopropyltoluene	11.48	119	195676	21.04	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	101599	21.83	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	100582	21.47	ug/l	99
89) n-Butylbenzene	11.89	91	149349	18.09	ug/l	97
90) Hexachloroethane	12.15	117	34698	19.13	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	106520	22.85	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20028	21.77	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	61584	21.40	ug/l	99
94) Hexachlorobutadiene	13.70	225	33967	20.97	ug/l	98
95) Naphthalene	13.75	128	213975	22.83	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	66679	23.25	ug/l	99

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

