

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025135.D
 Acq On : 02 Jul 2018 11:49
 Operator : MD/SY
 Sample : VU0702WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Manual Integrations
 APPROVED

sam
 7/3/2018 3:52:31 PM

Quant Time: Jul 03 04:24:01 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	171465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	252729	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	239049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	139376	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	133563	47.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.42%		
35) Dibromofluoromethane	4.89	113	109350	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.26%		
50) Toluene-d8	7.57	98	353200	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.34%		
62) 4-Bromofluorobenzene	10.31	95	149259	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.28%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	35758	16.66	ug/l	97
3) Chloromethane	1.33	50	37814	17.25	ug/l	100
4) Vinyl Chloride	1.40	62	39737	17.57	ug/l	97
5) Bromomethane	1.62	94	22834	20.89	ug/l	100
6) Chloroethane	1.70	64	26044	19.98	ug/l	97
7) Trichlorofluoromethane	1.89	101	68745	19.92	ug/l	99
8) Diethyl Ether	2.10	74	25188	20.33	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42376	19.79	ug/l	98
10) Methyl Iodide	2.41	142	29706	19.95	ug/l	99
11) Tert butyl alcohol	2.82	59	64806	95.19	ug/l	100
12) 1,1-Dichloroethene	2.28	96	37344	19.13	ug/l	99
13) Acrolein	2.19	56	18552	51.89	ug/l	97
14) Allyl chloride	2.59	41	65185	17.98	ug/l	98
15) Acrylonitrile	2.93	53	124409	93.92	ug/l	100
16) Acetone	2.32	43	151934	101.02	ug/l	98
17) Carbon Disulfide	2.48	76	103470	16.55	ug/l	96
18) Methyl Acetate	2.62	43	74351	23.06	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	145673	19.85	ug/l	99
20) Methylene Chloride	2.70	84	45910	19.45	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	41753	19.42	ug/l	96
22) Diisopropyl ether	3.57	45	142742	19.86	ug/l	95
23) Vinyl Acetate	3.53	43	590853	91.79	ug/l	99
24) 1,1-Dichloroethane	3.45	63	81901	19.81	ug/l	99
25) 2-Butanone	4.26	43	198124	98.07	ug/l	98
26) 2,2-Dichloropropane	4.23	77	80083	20.40	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	48483	19.61	ug/l	99
28) Bromochloromethane	4.55	49	36065	19.81	ug/l	86
29) Tetrahydrofuran	4.64	42	117072	93.58	ug/l	97
30) Chloroform	4.68	83	85867	20.52	ug/l	99
31) Cyclohexane	5.00	56	73809	18.88	ug/l	90
32) 1,1,1-Trichloroethane	4.92	97	79388	20.52	ug/l	95
36) 1,1-Dichloropropene	5.14	75	59276	19.96	ug/l	96
37) Ethyl Acetate	4.38	43	66984	20.69	ug/l	97
38) Carbon Tetrachloride	5.14	117	68715	21.04	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	77609	20.94	ug/l	94
40) Benzene	5.39	78	176143	20.82	ug/l	99
41) Methacrylonitrile	4.55	41	37682	21.59	ug/l	97
42) 1,2-Dichloroethane	5.41	62	72985	22.65	ug/l	100
43) Isopropyl Acetate	5.55	43	109721	19.61	ug/l	99
44) Trichloroethene	6.19	130	49024	20.36	ug/l	98
45) 1,2-Dichloropropane	6.44	63	45681	20.23	ug/l	95
46) Dibromomethane	6.56	93	34791	21.94	ug/l	97
47) Bromodichloromethane	6.76	83	64953	20.57	ug/l	97
48) Methyl methacrylate	6.63	41	57257	21.02	ug/l	97
49) 1,4-Dioxane	6.62	88	25650	481.42	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	353490	100.56	ug/l	99
52) Toluene	7.64	92	115602	21.23	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	69367	19.56	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	74933	19.83	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	46463	21.00	ug/l	98
56) Ethyl methacrylate	8.02	69	70640	19.07	ug/l	98
57) 1,3-Dichloropropane	8.25	76	78283	20.97	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.13	63	125478	88.42	ug/l	95
59) 2-Hexanone	8.36	43	286235	99.74	ug/l	100
60) Dibromochloromethane	8.48	129	51583	18.69	ug/l	100
61) 1,2-Dibromoethane	8.59	107	50028	20.31	ug/l	97
64) Tetrachloroethene	8.23	164	47460	20.89	ug/l	98
65) Chlorobenzene	9.12	112	130577	21.38	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48886	21.07	ug/l	97
67) Ethyl Benzene	9.25	91	222252	20.76	ug/l	98
68) m/p-Xylenes	9.38	106	175139	42.60	ug/l	98
69) o-Xylene	9.78	106	87444	21.49	ug/l	95
70) Styrene	9.80	104	136844	20.47	ug/l	99
71) Bromoform	9.96	173	40161	18.21	ug/l #	98
73) Isopropylbenzene	10.17	105	233714	21.84	ug/l	99
74) N-amyl acetate	10.01	43	92062	18.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	75132	20.95	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	63774m	20.78	ug/l	
77) Bromobenzene	10.45	156	58337	21.53	ug/l	94
78) n-propylbenzene	10.59	91	260446	20.66	ug/l	97
79) 2-Chlorotoluene	10.66	91	158852	21.37	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	197104	21.25	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	21134m	15.94	ug/l	
82) 4-Chlorotoluene	10.78	91	180890	20.91	ug/l	99
83) tert-Butylbenzene	11.10	119	198962	22.30	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	200542	21.22	ug/l	100
85) sec-Butylbenzene	11.33	105	238636	21.37	ug/l	98
86) p-Isopropyltoluene	11.48	119	212256	21.22	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	105310	21.04	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	105738	20.99	ug/l	98
89) n-Butylbenzene	11.89	91	167027	18.81	ug/l	97
90) Hexachloroethane	12.15	117	35589	18.24	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	108663	21.68	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17881	18.07	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	63040	20.36	ug/l	97
94) Hexachlorobutadiene	13.70	225	38219	21.93	ug/l	99
95) Naphthalene	13.75	128	204946	20.41	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	67192	21.78	ug/l	97

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

