

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025230.D
 Acq On : 05 Jul 2018 21:07
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 7/6/2018 4:22:12 PM

Quant Time: Jul 06 07:17:18 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	169691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	257296	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149828	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	116076	41.90	ug/l	0.00
Spiked Amount			Recovery	=	83.80%	
35) Dibromofluoromethane	4.89	113	98153	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
50) Toluene-d8	7.57	98	300160	38.54	ug/l	0.00
Spiked Amount			Recovery	=	77.08%	
62) 4-Bromofluorobenzene	10.31	95	136043	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	85441	40.227	ug/l	98
3) Chloromethane	1.33	50	96487	44.465	ug/l	99
4) Vinyl Chloride	1.40	62	101282	45.258	ug/l	97
5) Bromomethane	1.61	94	58640	54.205	ug/l	100
6) Chloroethane	1.69	64	66751	53.452	ug/l	98
7) Trichlorofluoromethane	1.88	101	168224	49.258	ug/l	97
8) Diethyl Ether	2.10	74	62985	54.357	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.28	101	101486	47.899	ug/l	97
10) Methyl Iodide	2.41	142	114079	62.180	ug/l	97
11) Tert butyl alcohol	2.83	59	192509	285.729	ug/l	100
12) 1,1-Dichloroethene	2.28	96	94453	48.884	ug/l	94
13) Acrolein	2.19	56	25136	71.045	ug/l	95
14) Allyl chloride	2.59	41	161639	45.055	ug/l	99
15) Acrylonitrile	2.93	53	363982	277.668	ug/l	99
16) Acetone	2.32	43	351952	236.456	ug/l	98
17) Carbon Disulfide	2.47	76	250587	40.503	ug/l	100
18) Methyl Acetate	2.62	43	229875	72.040	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	386342	53.193	ug/l	95
20) Methylene Chloride	2.70	84	117498	50.310	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	103557	48.662	ug/l	99
22) Diisopropyl ether	3.57	45	368910	51.873	ug/l	97
23) Vinyl Acetate	3.53	43	1546985	242.829	ug/l	99
24) 1,1-Dichloroethane	3.45	63	211794	51.768	ug/l	99
25) 2-Butanone	4.26	43	534610	267.396	ug/l	97
26) 2,2-Dichloropropane	4.23	77	160051	41.199	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	132148	54.013	ug/l	97
28) Bromochloromethane	4.55	49	78827	43.743	ug/l	88
29) Tetrahydrofuran	4.63	42	334810	270.419	ug/l	96
30) Chloroform	4.68	83	220439	53.234	ug/l	99
31) Cyclohexane	5.00	56	180013	49.529	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	199165	52.011	ug/l	96
36) 1,1-Dichloropropene	5.14	75	153197	50.670	ug/l	98
37) Ethyl Acetate	4.38	43	185549	56.307	ug/l	98
38) Carbon Tetrachloride	5.14	117	175294	52.724	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	185900	49.271	ug/l	93
40) Benzene	5.39	78	454797	52.791	ug/l	100
41) Methacrylonitrile	4.54	41	106983	60.214	ug/l	99
42) 1,2-Dichloroethane	5.41	62	187851	57.251	ug/l	99
43) Isopropyl Acetate	5.55	43	302120	53.040	ug/l	99
44) Trichloroethene	6.19	130	133810	54.575	ug/l	94
45) 1,2-Dichloropropane	6.44	63	123225	53.606	ug/l	98
46) Dibromomethane	6.56	93	88488	54.803	ug/l	94
47) Bromodichloromethane	6.76	83	171769	53.424	ug/l	99
48) Methyl methacrylate	6.63	41	153779	55.443	ug/l	99
49) 1,4-Dioxane	6.62	88	76237	1405.485	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	1017395	284.301	ug/l	98
52) Toluene	7.64	92	293307	52.918	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	181873	50.370	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	190586	49.536	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	122616	54.423	ug/l	98
56) Ethyl methacrylate	8.02	69	197459	52.363	ug/l	99
57) 1,3-Dichloropropane	8.25	76	209422	55.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	394668	273.186	ug/l	95
59) 2-Hexanone	8.36	43	819974	280.662	ug/l	99
60) Dibromochloromethane	8.48	129	142910	50.866	ug/l	100
61) 1,2-Dibromoethane	8.59	107	137307	54.755	ug/l	100
64) Tetrachloroethene	8.23	164	116058	50.203	ug/l	97
65) Chlorobenzene	9.12	112	338963	54.556	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	128815	54.572	ug/l	97
67) Ethyl Benzene	9.25	91	585521	53.757	ug/l	98
68) m/p-Xylenes	9.38	106	452588	108.209	ug/l	98
69) o-Xylene	9.78	106	227744	55.020	ug/l	95
70) Styrene	9.80	104	365798	53.776	ug/l	99
71) Bromoform	9.96	173	111435	49.668	ug/l #	100
73) Isopropylbenzene	10.17	105	608068	52.861	ug/l	99
74) N-amyl acetate	10.01	43	270566	49.450	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	215549	55.918	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	194883m	59.079	ug/l	
77) Bromobenzene	10.45	156	160804	55.218	ug/l	92
78) n-propylbenzene	10.59	91	684514	50.515	ug/l	96
79) 2-Chlorotoluene	10.66	91	420579	52.631	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	526469	52.804	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	68870m	48.321	ug/l	
82) 4-Chlorotoluene	10.78	91	481684	51.790	ug/l	99
83) tert-Butylbenzene	11.10	119	525999	54.845	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	534769	52.631	ug/l	100
85) sec-Butylbenzene	11.33	105	624285	52.002	ug/l	97
86) p-Isopropyltoluene	11.48	119	551143	51.260	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	285927	53.144	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	286278	52.865	ug/l	99
89) n-Butylbenzene	11.89	91	445361	46.656	ug/l	96
90) Hexachloroethane	12.15	117	96641	46.076	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	295694	54.870	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	57925	54.459	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	186094	55.920	ug/l	99
94) Hexachlorobutadiene	13.70	225	96926	51.747	ug/l	99
95) Naphthalene	13.74	128	636961	57.711	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	198892	59.980	ug/l	99

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

