

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091218\
 Data File : VU026679.D
 Acq On : 11 Sep 2018 11:43
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 4:48:54 PM

Quant Time: Sep 12 05:22:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 04:37:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	103973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159121	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	152395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94049	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	78320	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	4.88	113	64004	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	7.57	98	239969	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	10.31	95	86449	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	55609	49.50	ug/l	100
3) Chloromethane	1.33	50	75310	47.99	ug/l	100
4) Vinyl Chloride	1.40	62	81937	50.38	ug/l	100
5) Bromomethane	1.61	94	47478	46.61	ug/l	100
6) Chloroethane	1.69	64	51161	49.43	ug/l	100
7) Trichlorofluoromethane	1.88	101	106562	50.12	ug/l	100
8) Diethyl Ether	2.10	74	45907	49.27	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	62476	49.48	ug/l	100
10) Methyl Iodide	2.41	142	49740	52.28	ug/l	100
11) Tert butyl alcohol	2.83	59	91318	237.53	ug/l	100
12) 1,1-Dichloroethene	2.28	96	58869	49.32	ug/l	100
13) Acrolein	2.19	56	62814	242.45	ug/l	100
14) Allyl chloride	2.59	41	103350	48.07	ug/l	100
15) Acrylonitrile	2.94	53	213603	259.08	ug/l	100
16) Acetone	2.32	43	210215	235.41	ug/l	100
17) Carbon Disulfide	2.48	76	183445	48.30	ug/l	100
18) Methyl Acetate	2.61	43	97869	50.80	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	206498	50.24	ug/l	100
20) Methylene Chloride	2.70	84	71150	49.12	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	63335	50.37	ug/l	100
22) Diisopropyl ether	3.57	45	234212	52.20	ug/l	100
23) Vinyl Acetate	3.53	43	1006614	264.10	ug/l	100
24) 1,1-Dichloroethane	3.45	63	128376	50.72	ug/l	100
25) 2-Butanone	4.26	43	306301	254.64	ug/l	100
26) 2,2-Dichloropropane	4.23	77	104661	50.31	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	73848	50.95	ug/l	100
28) Bromochloromethane	4.55	49	62246	51.43	ug/l	100
29) Tetrahydrofuran	4.64	42	187239	258.19	ug/l	100
30) Chloroform	4.67	83	123828	49.75	ug/l	100
31) Cyclohexane	5.00	56	115551	44.11	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	105862	51.37	ug/l	100
36) 1,1-Dichloropropene	5.14	75	91841	51.41	ug/l	100
37) Ethyl Acetate	4.38	43	108371	50.44	ug/l	100
38) Carbon Tetrachloride	5.14	117	94889	50.27	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	111798	52.71	ug/l	100
40) Benzene	5.39	78	284624	51.30	ug/l	100
41) Methacrylonitrile	4.54	41	59688	53.53	ug/l	100
42) 1,2-Dichloroethane	5.41	62	100357	50.73	ug/l	100
43) Isopropyl Acetate	5.55	43	171482	52.42	ug/l	100
44) Trichloroethene	6.19	130	69537	50.64	ug/l	100
45) 1,2-Dichloropropane	6.43	63	78231	51.87	ug/l	100
46) Dibromomethane	6.56	93	51137	52.54	ug/l	100
47) Bromodichloromethane	6.76	83	99111	51.71	ug/l	100
48) Methyl methacrylate	6.62	41	86859	53.81	ug/l	100
49) 1,4-Dioxane	6.61	88	40958	1094.72	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	567836	259.52	ug/l	100
52) Toluene	7.64	92	173056	52.36	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	111430	52.42	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	119140	52.19	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	72415	51.14	ug/l	100
56) Ethyl methacrylate	8.02	69	111177	53.77	ug/l	100
57) 1,3-Dichloropropane	8.24	76	124340	51.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	277605	272.37	ug/l	100
59) 2-Hexanone	8.36	43	449906	261.27	ug/l	100
60) Dibromochloromethane	8.48	129	79961	52.14	ug/l	100
61) 1,2-Dibromoethane	8.59	107	77020	50.13	ug/l	100
64) Tetrachloroethene	8.23	164	61299	50.54	ug/l	100
65) Chlorobenzene	9.12	112	192465	50.83	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	70717	50.76	ug/l	100
67) Ethyl Benzene	9.25	91	329176	52.78	ug/l	100
68) m/p-Xylenes	9.38	106	258523	108.96	ug/l	100
69) o-Xylene	9.78	106	125502	54.30	ug/l	100
70) Styrene	9.79	104	209161	55.28	ug/l	100
71) Bromoform	9.96	173	62897	51.91	ug/l #	100
73) Isopropylbenzene	10.17	105	334170	52.14	ug/l	100
74) N-amyl acetate	10.02	43	159010	52.55	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	123907	47.44	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	101003m	42.22	ug/l	
77) Bromobenzene	10.46	156	85821	49.27	ug/l	100
78) n-propylbenzene	10.59	91	398849	53.51	ug/l	100
79) 2-Chlorotoluene	10.66	91	233917	50.62	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	285855	53.06	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	34363m	32.11	ug/l	
82) 4-Chlorotoluene	10.77	91	271250	52.25	ug/l	100
83) tert-Butylbenzene	11.10	119	284021	51.95	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	289751	53.33	ug/l	100
85) sec-Butylbenzene	11.33	105	346755	53.41	ug/l	100
86) p-Isopropyltoluene	11.48	119	307610	54.34	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	157165	48.37	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	159797	47.35	ug/l	100
89) n-Butylbenzene	11.89	91	274942	55.43	ug/l	100
90) Hexachloroethane	12.15	117	57176	49.91	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	160044	48.96	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27148	51.84	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	113094	52.10	ug/l	100
94) Hexachlorobutadiene	13.69	225	56774	50.84	ug/l	100
95) Naphthalene	13.74	128	365044	55.52	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	117938	52.02	ug/l	100

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

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