

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083019\
 Data File : VU034081.D
 Acq On : 29 Aug 2019 22:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 12:52:34 PM

Quant Time: Aug 30 05:43:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	422844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	673112	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	654488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	353976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	273579	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
35) Dibromofluoromethane	4.86	113	229838	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	7.55	98	903440	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
62) 4-Bromofluorobenzene	10.29	95	338850	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	217241	51.084	ug/l	99
3) Chloromethane	1.32	50	252484	44.214	ug/l	99
4) Vinyl Chloride	1.40	62	270788	47.842	ug/l	95
5) Bromomethane	1.61	94	94933	32.853	ug/l	98
6) Chloroethane	1.68	64	172377	49.816	ug/l	100
7) Trichlorofluoromethane	1.87	101	327441	49.928	ug/l	99
8) Diethyl Ether	2.09	74	141770	50.532	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	201960	48.610	ug/l	97
10) Methyl Iodide	2.40	142	105140	17.840	ug/l	99
11) Tert butyl alcohol	2.81	59	277088	221.771	ug/l	100
12) 1,1-Dichloroethene	2.27	96	211282	49.912	ug/l	98
13) Acrolein	2.18	56	105428	200.584	ug/l	99
14) Allyl chloride	2.58	41	347586	43.672	ug/l	93
15) Acrylonitrile	2.92	53	737233	257.139	ug/l	100
16) Acetone	2.31	43	601984	217.752	ug/l	100
17) Carbon Disulfide	2.46	76	626198	46.740	ug/l	100
18) Methyl Acetate	2.60	43	345132	48.310	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	728454	52.521	ug/l	100
20) Methylene Chloride	2.68	84	257337	49.170	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	229193	49.888	ug/l	99
22) Diisopropyl ether	3.55	45	765279	52.474	ug/l	98
23) Vinyl Acetate	3.50	43	3305816	263.871	ug/l	99
24) 1,1-Dichloroethane	3.42	63	437852	50.852	ug/l	100
25) 2-Butanone	4.23	43	964659	250.808	ug/l	100
26) 2,2-Dichloropropane	4.20	77	310659	44.341	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	259268	50.279	ug/l	99
28) Bromochloromethane	4.52	49	217080	51.173	ug/l	100
29) Tetrahydrofuran	4.61	42	626231	264.015	ug/l	99
30) Chloroform	4.65	83	420601	48.960	ug/l	98
31) Cyclohexane	4.97	56	384874	47.570	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	352546	50.107	ug/l	100
36) 1,1-Dichloropropene	5.11	75	316592	49.726	ug/l	99
37) Ethyl Acetate	4.36	43	353098	49.525	ug/l	99
38) Carbon Tetrachloride	5.11	117	301085	48.992	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	364891	48.626	ug/l	99
40) Benzene	5.37	78	974660	50.598	ug/l	99
41) Methacrylonitrile	4.52	41	192566	52.664	ug/l	99
42) 1,2-Dichloroethane	5.38	62	330428	49.675	ug/l	98
43) Isopropyl Acetate	5.53	43	546140	50.351	ug/l	100
44) Trichloroethene	6.16	130	262594	51.912	ug/l	94
45) 1,2-Dichloropropane	6.41	63	269246	50.776	ug/l	100
46) Dibromomethane	6.54	93	171192	50.111	ug/l	98
47) Bromodichloromethane	6.74	83	325852	48.752	ug/l	98
48) Methyl methacrylate	6.60	41	266829	50.979	ug/l	98
49) 1,4-Dioxane	6.59	88	115863	883.484	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1855803	247.744	ug/l	99
52) Toluene	7.62	92	617138	52.007	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	354906	47.854	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	398538	49.187	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	247318	49.273	ug/l	99
56) Ethyl methacrylate	8.00	69	375100	45.149	ug/l	99
57) 1,3-Dichloropropane	8.22	76	426071	49.993	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	674296	242.827	ug/l	99
59) 2-Hexanone	8.34	43	1408749	249.121	ug/l	100
60) Dibromochloromethane	8.46	129	260848	48.413	ug/l	100
61) 1,2-Dibromoethane	8.57	107	257250	48.653	ug/l	100
64) Tetrachloroethene	8.21	164	229362	52.183	ug/l	98
65) Chlorobenzene	9.10	112	667999	49.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	230395	47.175	ug/l	99
67) Ethyl Benzene	9.23	91	1166605	51.097	ug/l	99
68) m/p-Xylenes	9.36	106	892530	102.810	ug/l	99
69) o-Xylene	9.76	106	426659	51.227	ug/l	99
70) Styrene	9.77	104	754364	52.824	ug/l	100
71) Bromoform	9.94	173	194408	45.815	ug/l #	99
73) Isopropylbenzene	10.15	105	1151668	48.437	ug/l	100
74) N-amyl acetate	10.00	43	493842	49.384	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	415513	45.659	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	354153m	44.391	ug/l	
77) Bromobenzene	10.43	156	302018	47.221	ug/l	100
78) n-propylbenzene	10.57	91	1351845	48.821	ug/l	99
79) 2-Chlorotoluene	10.64	91	804906	48.463	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	994706	49.360	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	84144m	35.514	ug/l	
82) 4-Chlorotoluene	10.75	91	932259	48.807	ug/l	100
83) tert-Butylbenzene	11.08	119	931848	46.972	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	1006567	50.302	ug/l	99
85) sec-Butylbenzene	11.31	105	1140889	47.983	ug/l	100
86) p-Isopropyltoluene	11.46	119	1054554	49.039	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	547944	48.392	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	545263	47.616	ug/l	100
89) n-Butylbenzene	11.87	91	942665	49.720	ug/l	99
90) Hexachloroethane	12.13	117	142705	38.383	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	532737	49.115	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	82144	45.309	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	363463	47.175	ug/l	98
94) Hexachlorobutadiene	13.67	225	168862	39.796	ug/l	99
95) Naphthalene	13.73	128	1057781	47.951	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	359163	51.691	ug/l	100

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

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