

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034023.D
 Acq On : 28 Aug 2019 14:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:48:01 AM

Quant Time: Aug 29 04:30:48 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	454475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	711590	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	684870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	354270	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	273802	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
35) Dibromofluoromethane	4.86	113	229156	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
50) Toluene-d8	7.55	98	903135	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	10.29	95	346578	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	234676	51.343	ug/l	98
3) Chloromethane	1.32	50	302934	49.611	ug/l	99
4) Vinyl Chloride	1.40	62	295954	48.649	ug/l	99
5) Bromomethane	1.59	94	138733	47.033	ug/l	100
6) Chloroethane	1.67	64	172609	46.411	ug/l	99
7) Trichlorofluoromethane	1.87	101	341361	48.428	ug/l	99
8) Diethyl Ether	2.09	74	149802	49.679	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	219868	49.237	ug/l	99
10) Methyl Iodide	2.39	142	299577	47.293	ug/l	100
11) Tert butyl alcohol	2.82	59	321371	239.311	ug/l	100
12) 1,1-Dichloroethene	2.27	96	222134	48.823	ug/l	98
13) Acrolein	2.18	56	131724	233.172	ug/l	98
14) Allyl chloride	2.57	41	424386	49.611	ug/l	99
15) Acrylonitrile	2.92	53	762027	247.288	ug/l	100
16) Acetone	2.31	43	745577	250.923	ug/l	99
17) Carbon Disulfide	2.46	76	683256	47.449	ug/l	99
18) Methyl Acetate	2.60	43	350416	45.636	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	758356	50.871	ug/l	100
20) Methylene Chloride	2.68	84	263208	46.792	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	240560	48.718	ug/l	99
22) Diisopropyl ether	3.55	45	789000	50.335	ug/l	99
23) Vinyl Acetate	3.50	43	3463306	257.201	ug/l	99
24) 1,1-Dichloroethane	3.42	63	452804	48.929	ug/l	100
25) 2-Butanone	4.23	43	1059390	256.267	ug/l	100
26) 2,2-Dichloropropane	4.20	77	372913	49.522	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	272079	49.092	ug/l	100
28) Bromochloromethane	4.52	49	222759	48.857	ug/l	99
29) Tetrahydrofuran	4.61	42	646456	253.573	ug/l	100
30) Chloroform	4.65	83	436373	47.260	ug/l	98
31) Cyclohexane	4.97	56	410109	47.161	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	366539	48.470	ug/l	98
36) 1,1-Dichloropropene	5.11	75	335778	49.887	ug/l	99
37) Ethyl Acetate	4.35	43	371633	49.306	ug/l	99
38) Carbon Tetrachloride	5.11	117	319067	49.111	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	409015	51.558	ug/l	99
40) Benzene	5.37	78	998185	49.017	ug/l	99
41) Methacrylonitrile	4.52	41	203117	52.546	ug/l	99
42) 1,2-Dichloroethane	5.38	62	340382	48.404	ug/l	100
43) Isopropyl Acetate	5.53	43	586513	51.149	ug/l	99
44) Trichloroethene	6.16	130	265397	49.629	ug/l	100
45) 1,2-Dichloropropane	6.41	63	280121	49.970	ug/l	99
46) Dibromomethane	6.54	93	178565	49.443	ug/l	98
47) Bromodichloromethane	6.74	83	348214	49.281	ug/l	99
48) Methyl methacrylate	6.60	41	282610	51.075	ug/l	98
49) 1,4-Dioxane	6.59	88	138420	998.414	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1977955	249.773	ug/l	99
52) Toluene	7.62	92	637584	50.825	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	398196	50.788	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	434993	50.784	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	256634	48.364	ug/l	100
56) Ethyl methacrylate	8.00	69	415823	47.297	ug/l	99
57) 1,3-Dichloropropane	8.22	76	443313	49.203	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	753820	256.786	ug/l	99
59) 2-Hexanone	8.34	43	1541751	257.898	ug/l	100
60) Dibromochloromethane	8.46	129	283895	49.841	ug/l	99
61) 1,2-Dibromoethane	8.57	107	271428	48.559	ug/l	100
64) Tetrachloroethene	8.21	164	234431	50.970	ug/l	99
65) Chlorobenzene	9.10	112	699959	49.664	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	253817	49.665	ug/l	99
67) Ethyl Benzene	9.23	91	1229907	51.480	ug/l	100
68) m/p-Xylenes	9.36	106	951795	104.773	ug/l	100
69) o-Xylene	9.76	106	458404	52.597	ug/l	100
70) Styrene	9.77	104	794911	53.194	ug/l	100
71) Bromoform	9.94	173	218559	49.222	ug/l	# 100
73) Isopropylbenzene	10.15	105	1243049	52.237	ug/l	100
74) N-amyl acetate	10.00	43	536044	53.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	432014	47.433	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	373576m	46.787	ug/l	
77) Bromobenzene	10.43	156	317107	49.539	ug/l	99
78) n-propylbenzene	10.57	91	1459026	52.648	ug/l	100
79) 2-Chlorotoluene	10.64	91	854953	51.434	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	1070318	53.068	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	118460m	49.956	ug/l	
82) 4-Chlorotoluene	10.76	91	982935	51.417	ug/l	100
83) tert-Butylbenzene	11.08	119	1031095	51.932	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	1065763	53.216	ug/l	99
85) sec-Butylbenzene	11.31	105	1251622	52.597	ug/l	100
86) p-Isopropyltoluene	11.46	119	1155858	53.705	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	570193	50.315	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	564344	49.241	ug/l	100
89) n-Butylbenzene	11.87	91	1032365	54.406	ug/l	100
90) Hexachloroethane	12.13	117	181514	48.780	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	548733	50.548	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	88797	48.938	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	376720	48.815	ug/l	99
94) Hexachlorobutadiene	13.67	225	217939	51.320	ug/l	98
95) Naphthalene	13.73	128	1046892	47.438	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	369715	53.166	ug/l	99

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

