

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034083.D
 Acq On : 30 Aug 2019 09:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:24:30 AM

Quant Time: Aug 30 15:30:18 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	436878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	659838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	636339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	352267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	261463	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	4.86	113	221725	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	7.55	98	870598	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	10.29	95	327827	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	239389	54.484	ug/l	99
3) Chloromethane	1.32	50	266212	45.166	ug/l	99
4) Vinyl Chloride	1.40	62	288201	49.283	ug/l	99
5) Bromomethane	1.61	94	123427	43.040	ug/l	98
6) Chloroethane	1.69	64	172596	48.277	ug/l	99
7) Trichlorofluoromethane	1.88	101	346609	51.153	ug/l	99
8) Diethyl Ether	2.09	74	147300	50.816	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	224190	52.227	ug/l	99
10) Methyl Iodide	2.40	142	143079	23.497	ug/l	100
11) Tert butyl alcohol	2.81	59	263178	203.871	ug/l	99
12) 1,1-Dichloroethene	2.27	96	219229	50.126	ug/l	99
13) Acrolein	2.18	56	88796	163.514	ug/l	98
14) Allyl chloride	2.58	41	357496	43.475	ug/l	93
15) Acrylonitrile	2.92	53	735857	248.414	ug/l	100
16) Acetone	2.31	43	819823	287.023	ug/l	100
17) Carbon Disulfide	2.46	76	655039	47.322	ug/l	100
18) Methyl Acetate	2.60	43	339122	45.944	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	733901	51.214	ug/l	100
20) Methylene Chloride	2.68	84	263509	48.732	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	235806	49.679	ug/l	100
22) Diisopropyl ether	3.55	45	777578	51.604	ug/l	97
23) Vinyl Acetate	3.50	43	3326716	257.009	ug/l	99
24) 1,1-Dichloroethane	3.42	63	448341	50.398	ug/l	100
25) 2-Butanone	4.23	43	1066937	268.489	ug/l	100
26) 2,2-Dichloropropane	4.20	77	363200	50.175	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	265042	49.748	ug/l	100
28) Bromochloromethane	4.52	49	203762	46.490	ug/l	99
29) Tetrahydrofuran	4.61	42	615230	251.045	ug/l	99
30) Chloroform	4.65	83	435350	49.049	ug/l	99
31) Cyclohexane	4.97	56	401375	48.016	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	365089	50.223	ug/l	99
36) 1,1-Dichloropropene	5.11	75	327005	52.394	ug/l	99
37) Ethyl Acetate	4.35	43	353384	50.563	ug/l	99
38) Carbon Tetrachloride	5.11	117	317299	52.669	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	389741	52.982	ug/l	99
40) Benzene	5.37	78	988367	52.341	ug/l	100
41) Methacrylonitrile	4.52	41	192263	53.639	ug/l	99
42) 1,2-Dichloroethane	5.38	62	338048	51.843	ug/l	99
43) Isopropyl Acetate	5.53	43	541130	50.893	ug/l	99
44) Trichloroethene	6.16	130	258810	52.193	ug/l	97
45) 1,2-Dichloropropane	6.41	63	277733	53.430	ug/l	99
46) Dibromomethane	6.54	93	175102	52.286	ug/l	99
47) Bromodichloromethane	6.74	83	342263	52.237	ug/l	99
48) Methyl methacrylate	6.60	41	266067	51.856	ug/l	98
49) 1,4-Dioxane	6.59	88	109739	853.621	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1832980	249.620	ug/l	99
52) Toluene	7.62	92	625643	53.785	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	377080	51.867	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	422756	53.226	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	253181	51.456	ug/l	100
56) Ethyl methacrylate	8.00	69	380296	46.662	ug/l	99
57) 1,3-Dichloropropane	8.22	76	431911	51.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	663177	243.627	ug/l	99
59) 2-Hexanone	8.34	43	1466140	264.486	ug/l	100
60) Dibromochloromethane	8.46	129	274593	51.989	ug/l	99
61) 1,2-Dibromoethane	8.57	107	264535	51.038	ug/l	100
64) Tetrachloroethene	8.21	164	234636	54.906	ug/l	98
65) Chlorobenzene	9.10	112	683899	52.225	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	243514	51.283	ug/l	99
67) Ethyl Benzene	9.23	91	1185383	53.400	ug/l	100
68) m/p-Xylenes	9.36	106	926502	109.767	ug/l	99
69) o-Xylene	9.76	106	437393	54.014	ug/l	99
70) Styrene	9.77	104	780938	56.244	ug/l	100
71) Bromoform	9.94	173	208371	50.506	ug/l #	100
73) Isopropylbenzene	10.15	105	1192794	50.411	ug/l	100
74) N-amyl acetate	10.00	43	492030	49.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	423330	46.744	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	365726m	46.064	ug/l	
77) Bromobenzene	10.43	156	310512	48.784	ug/l	99
78) n-propylbenzene	10.57	91	1424170	51.683	ug/l	100
79) 2-Chlorotoluene	10.64	91	834911	50.514	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	1056674	52.690	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	106241m	45.058	ug/l	
82) 4-Chlorotoluene	10.75	91	976837	51.389	ug/l	100
83) tert-Butylbenzene	11.08	119	982670	49.774	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	1055247	52.990	ug/l	99
85) sec-Butylbenzene	11.31	105	1207818	51.044	ug/l	100
86) p-Isopropyltoluene	11.46	119	1135699	53.069	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	571021	50.674	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	574241	50.390	ug/l	100
89) n-Butylbenzene	11.87	91	1034495	54.828	ug/l	100
90) Hexachloroethane	12.13	117	165722	44.790	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	553776	51.303	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	86922	48.177	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	389681	50.737	ug/l	99
94) Hexachlorobutadiene	13.67	225	198728	47.062	ug/l	98
95) Naphthalene	13.73	128	1068674	48.653	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	378840	54.788	ug/l	100

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

