

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034521.D
 Acq On : 12 Sep 2019 15:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:16:48 AM

Quant Time: Sep 13 07:47:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	241615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	341017	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	340385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	235485	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	187042	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
35) Dibromofluoromethane	4.86	113	168048	52.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.92%	
50) Toluene-d8	7.54	98	630282	52.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.74%	
62) 4-Bromofluorobenzene	10.29	95	252806	54.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	127209	50.341	ug/l	98
3) Chloromethane	1.33	50	143701	52.641	ug/l	98
4) Vinyl Chloride	1.40	62	153149	48.636	ug/l	99
5) Bromomethane	1.61	94	94441	59.940	ug/l	98
6) Chloroethane	1.69	64	99520	54.466	ug/l	97
7) Trichlorofluoromethane	1.87	101	225613	53.436	ug/l	99
8) Diethyl Ether	2.09	74	98589	53.086	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	150755	53.910	ug/l	99
10) Methyl Iodide	2.40	142	136611	53.135	ug/l	99
11) Tert butyl alcohol	2.81	59	220891	286.010	ug/l	100
12) 1,1-Dichloroethene	2.27	96	137682	52.375	ug/l	96
13) Acrolein	2.18	56	126120	194.292	ug/l	99
14) Allyl chloride	2.58	41	254600m	50.659	ug/l	
15) Acrylonitrile	2.92	53	541997	281.813	ug/l	99
16) Acetone	2.31	43	526122	278.105	ug/l	99
17) Carbon Disulfide	2.46	76	256071	43.341	ug/l	99
18) Methyl Acetate	2.60	43	242501	52.680	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	545925	56.976	ug/l	99
20) Methylene Chloride	2.69	84	176473	57.008	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	142537	51.453	ug/l	98
22) Diisopropyl ether	3.55	45	554549	56.581	ug/l	98
23) Vinyl Acetate	3.51	43	2268898	284.201	ug/l	98
24) 1,1-Dichloroethane	3.42	63	310531	53.055	ug/l	100
25) 2-Butanone	4.23	43	727104	287.926	ug/l	99
26) 2,2-Dichloropropane	4.20	77	264105	56.104	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	185937	55.264	ug/l	99
28) Bromochloromethane	4.52	49	147030	54.614	ug/l	97
29) Tetrahydrofuran	4.61	42	426406	277.487	ug/l	99
30) Chloroform	4.65	83	319137	53.642	ug/l	100
31) Cyclohexane	4.97	56	213624	49.889	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	259377	54.529	ug/l	98
36) 1,1-Dichloropropene	5.11	75	202265	54.690	ug/l	99
37) Ethyl Acetate	4.36	43	244863	55.999	ug/l	98
38) Carbon Tetrachloride	5.11	117	220151	55.751	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	216923	54.868	ug/l	98
40) Benzene	5.37	78	660225	55.324	ug/l	98
41) Methacrylonitrile	4.52	41	139742	59.997	ug/l	99
42) 1,2-Dichloroethane	5.38	62	234482	56.593	ug/l	100
43) Isopropyl Acetate	5.53	43	386178	56.613	ug/l	99
44) Trichloroethene	6.16	130	182882	55.380	ug/l	99
45) 1,2-Dichloropropane	6.41	63	197687	56.665	ug/l	99
46) Dibromomethane	6.54	93	123292	56.301	ug/l	99
47) Bromodichloromethane	6.73	83	258096	57.257	ug/l	100
48) Methyl methacrylate	6.60	41	184727	57.017	ug/l	99
49) 1,4-Dioxane	6.59	88	85607	1210.053	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1371980	290.569	ug/l	99
52) Toluene	7.61	92	431496	57.640	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	270961	57.987	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	303222	59.124	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	193692	56.981	ug/l	98
56) Ethyl methacrylate	8.00	69	280902	54.121	ug/l	100
57) 1,3-Dichloropropane	8.22	76	313620	56.660	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	407090	234.121	ug/l	100
59) 2-Hexanone	8.34	43	1057609	299.831	ug/l	99
60) Dibromochloromethane	8.45	129	216243	59.309	ug/l	97
61) 1,2-Dibromoethane	8.57	107	192213	57.772	ug/l	100
64) Tetrachloroethene	8.21	164	164773	55.798	ug/l	99
65) Chlorobenzene	9.10	112	500442	57.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	193437	58.694	ug/l	99
67) Ethyl Benzene	9.23	91	834404	59.094	ug/l	99
68) m/p-Xylenes	9.35	106	657990	123.752	ug/l	100
69) o-Xylene	9.76	106	317565	61.072	ug/l	99
70) Styrene	9.77	104	583565	64.011	ug/l	99
71) Bromoform	9.94	173	170380	59.652	ug/l #	99
73) Isopropylbenzene	10.14	105	898927	58.658	ug/l	98
74) N-amyl acetate	9.99	43	355834	57.684	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	337547	54.416	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	287838m	55.997	ug/l	
77) Bromobenzene	10.43	156	244966	57.168	ug/l	97
78) n-propylbenzene	10.57	91	1039488	58.733	ug/l	99
79) 2-Chlorotoluene	10.64	91	625964	57.965	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	776378	60.575	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	75025m	49.084	ug/l	
82) 4-Chlorotoluene	10.75	91	727575	58.546	ug/l	99
83) tert-Butylbenzene	11.08	119	760344	59.302	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	778972	60.378	ug/l	99
85) sec-Butylbenzene	11.30	105	906876	59.912	ug/l	100
86) p-Isopropyltoluene	11.45	119	844486	60.445	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	447538	57.236	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	454191	55.690	ug/l	99
89) n-Butylbenzene	11.86	91	738101	60.793	ug/l	99
90) Hexachloroethane	12.12	117	125682	56.228	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	438145	57.016	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	66778	58.584	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	294112	52.580	ug/l	99
94) Hexachlorobutadiene	13.67	225	144150	53.626	ug/l	99
95) Naphthalene	13.72	128	781783	49.827	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	293577	54.297	ug/l	98

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

