

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091019\
 Data File : VU034435.D
 Acq On : 10 Sep 2019 08:54
 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
 9/11/2019 1:42:45 PM

Quant Time: Sep 11 06:01:23 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	257700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	355962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	355575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	248377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	195645	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
35) Dibromofluoromethane	4.86	113	176955	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	7.54	98	665809	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
62) 4-Bromofluorobenzene	10.29	95	254530	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	133579	49.562	ug/l	99
3) Chloromethane	1.32	50	145671	50.028	ug/l	97
4) Vinyl Chloride	1.40	62	155928	46.428	ug/l	99
5) Bromomethane	1.61	94	93986	55.617	ug/l	99
6) Chloroethane	1.69	64	103712	53.194	ug/l	99
7) Trichlorofluoromethane	1.87	101	229453	50.954	ug/l	98
8) Diethyl Ether	2.09	74	99958	50.463	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	153267	51.388	ug/l	99
10) Methyl Iodide	2.40	142	126195	46.535	ug/l	99
11) Tert butyl alcohol	2.81	59	219506	266.477	ug/l	99
12) 1,1-Dichloroethene	2.27	96	138954	49.559	ug/l	94
13) Acrolein	2.18	56	108205	156.289	ug/l	99
14) Allyl chloride	2.58	41	258691m	48.261	ug/l	
15) Acrylonitrile	2.92	53	531887	259.294	ug/l	99
16) Acetone	2.31	43	614740	304.666	ug/l	99
17) Carbon Disulfide	2.46	76	273392	43.385	ug/l	100
18) Methyl Acetate	2.60	43	236512	48.172	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	536646	52.511	ug/l	100
20) Methylene Chloride	2.68	84	178916	54.169	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	146894	49.716	ug/l	95
22) Diisopropyl ether	3.55	45	554788	53.073	ug/l	99
23) Vinyl Acetate	3.50	43	2251038	264.364	ug/l	99
24) 1,1-Dichloroethane	3.42	63	312125	49.998	ug/l	100
25) 2-Butanone	4.23	43	770096	285.916	ug/l	99
26) 2,2-Dichloropropane	4.20	77	263721	52.525	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	183402	51.108	ug/l	100
28) Bromochloromethane	4.52	49	151996	52.935	ug/l	98
29) Tetrahydrofuran	4.61	42	419411	255.899	ug/l	99
30) Chloroform	4.65	83	319223	50.307	ug/l	99
31) Cyclohexane	4.97	56	218696	47.886	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	262254	51.692	ug/l	99
36) 1,1-Dichloropropene	5.12	75	200191	51.857	ug/l	99
37) Ethyl Acetate	4.36	43	242922	53.222	ug/l	99
38) Carbon Tetrachloride	5.11	117	225354	54.672	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	215622	52.249	ug/l	100
40) Benzene	5.37	78	664578	53.351	ug/l	100
41) Methacrylonitrile	4.52	41	134291	55.236	ug/l	98
42) 1,2-Dichloroethane	5.38	62	232823	53.833	ug/l	99
43) Isopropyl Acetate	5.53	43	375599	52.751	ug/l	99
44) Trichloroethene	6.16	130	180772	52.443	ug/l	99
45) 1,2-Dichloropropane	6.41	63	195978	53.816	ug/l	96
46) Dibromomethane	6.54	93	122995	53.807	ug/l	98
47) Bromodichloromethane	6.73	83	256765	54.570	ug/l	99
48) Methyl methacrylate	6.60	41	180213	53.289	ug/l	99
49) 1,4-Dioxane	6.59	88	89191	1207.782	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1321755	268.179	ug/l	99
52) Toluene	7.61	92	427875	54.756	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	271283	55.618	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	297908	55.649	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	197146	55.562	ug/l	99
56) Ethyl methacrylate	8.00	69	268242	49.774	ug/l	100
57) 1,3-Dichloropropane	8.22	76	314136	54.370	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	451654	247.800	ug/l	100
59) 2-Hexanone	8.34	43	1068632	290.236	ug/l	100
60) Dibromochloromethane	8.46	129	215692	56.674	ug/l	98
61) 1,2-Dibromoethane	8.57	107	191723	55.206	ug/l	99
64) Tetrachloroethene	8.21	164	156655	50.783	ug/l	97
65) Chlorobenzene	9.10	112	491785	54.515	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	190693	55.390	ug/l	99
67) Ethyl Benzene	9.23	91	818084	55.463	ug/l	99
68) m/p-Xylenes	9.35	106	657879	118.445	ug/l	99
69) o-Xylene	9.76	106	311357	57.321	ug/l	98
70) Styrene	9.77	104	583325	61.251	ug/l	99
71) Bromoform	9.94	173	170662	57.198	ug/l #	99
73) Isopropylbenzene	10.14	105	872437	53.975	ug/l	99
74) N-amyl acetate	9.99	43	354452	54.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	333227	50.931	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	272304m	50.226	ug/l	
77) Bromobenzene	10.43	156	237315	52.508	ug/l	99
78) n-propylbenzene	10.57	91	1030632	55.210	ug/l	100
79) 2-Chlorotoluene	10.64	91	620466	54.474	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	785111	58.077	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	93323m	57.886	ug/l	
82) 4-Chlorotoluene	10.75	91	725014	55.312	ug/l	100
83) tert-Butylbenzene	11.08	119	745134	55.099	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	788301	57.930	ug/l	99
85) sec-Butylbenzene	11.30	105	903824	56.611	ug/l	100
86) p-Isopropyltoluene	11.45	119	850717	57.731	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	445870	54.063	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	453122	52.675	ug/l	99
89) n-Butylbenzene	11.87	91	745660	58.228	ug/l	100
90) Hexachloroethane	12.12	117	131379	55.726	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	438071	54.048	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	67174	55.872	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	301678	51.229	ug/l	99
94) Hexachlorobutadiene	13.67	225	150237	52.990	ug/l	99
95) Naphthalene	13.72	128	784183	47.580	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	296620	52.123	ug/l	100

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

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