

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034027.D
 Acq On : 28 Aug 2019 16:55
 Operator : JC/SP
 Sample : VU0829WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:41 AM

Quant Time: Aug 29 04:41:43 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	412288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	662591	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	631203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	328658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	274703	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
35) Dibromofluoromethane	4.86	113	227925	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	7.55	98	891820	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	10.29	95	326460	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	85965	20.732	ug/l	99
3) Chloromethane	1.32	50	115563	19.598	ug/l	100
4) Vinyl Chloride	1.40	62	110717	20.062	ug/l	99
5) Bromomethane	1.62	94	68044	22.409	ug/l	96
6) Chloroethane	1.69	64	66638	19.751	ug/l	99
7) Trichlorofluoromethane	1.88	101	128752	20.135	ug/l	98
8) Diethyl Ether	2.09	74	55459	20.274	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	80239	19.807	ug/l	99
10) Methyl Iodide	2.40	142	92669	16.126	ug/l	99
11) Tert butyl alcohol	2.81	59	114996	94.395	ug/l	100
12) 1,1-Dichloroethene	2.27	96	82368	19.956	ug/l	96
13) Acrolein	2.18	56	46155	90.062	ug/l	99
14) Allyl chloride	2.58	41	153889m	19.830	ug/l	
15) Acrylonitrile	2.92	53	283929	101.567	ug/l	99
16) Acetone	2.31	43	259647	96.325	ug/l	98
17) Carbon Disulfide	2.46	76	251680	19.267	ug/l	99
18) Methyl Acetate	2.60	43	131013	18.808	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	279438	20.663	ug/l	99
20) Methylene Chloride	2.68	84	99784	19.554	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	89874	20.064	ug/l	99
22) Diisopropyl ether	3.55	45	294941	20.741	ug/l	95
23) Vinyl Acetate	3.50	43	1267444	103.758	ug/l	100
24) 1,1-Dichloroethane	3.43	63	173174	20.627	ug/l	99
25) 2-Butanone	4.24	43	381104	101.623	ug/l	99
26) 2,2-Dichloropropane	4.20	77	134757	19.726	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	100276	19.944	ug/l	99
28) Bromochloromethane	4.52	49	81005	19.584	ug/l	99
29) Tetrahydrofuran	4.61	42	245779	106.272	ug/l	99
30) Chloroform	4.65	83	167950	20.051	ug/l	100
31) Cyclohexane	4.97	56	157565	19.974	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	138102	20.131	ug/l	98
36) 1,1-Dichloropropene	5.12	75	121653	19.411	ug/l	99
37) Ethyl Acetate	4.36	43	141631	20.180	ug/l	99
38) Carbon Tetrachloride	5.11	117	121297	20.051	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	142436	19.282	ug/l	98
40) Benzene	5.37	78	375008	19.777	ug/l	99
41) Methacrylonitrile	4.52	41	74723	20.760	ug/l	100
42) 1,2-Dichloroethane	5.38	62	130586	19.943	ug/l	99
43) Isopropyl Acetate	5.53	43	212631	19.915	ug/l	98
44) Trichloroethene	6.17	130	96628	19.406	ug/l	98
45) 1,2-Dichloropropane	6.41	63	102539	19.644	ug/l	99
46) Dibromomethane	6.54	93	66922	19.900	ug/l	98
47) Bromodichloromethane	6.74	83	126646	19.249	ug/l	98
48) Methyl methacrylate	6.60	41	98595	19.136	ug/l	98
49) 1,4-Dioxane	6.59	88	46764	362.249	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	709191	96.178	ug/l	100
52) Toluene	7.62	92	236492	20.246	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	137536	18.839	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	155211	19.460	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	93785	18.981	ug/l	99
56) Ethyl methacrylate	8.00	69	138122	17.497	ug/l	98
57) 1,3-Dichloropropane	8.22	76	166396	19.834	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	254196	92.994	ug/l	98
59) 2-Hexanone	8.34	43	538391	96.720	ug/l	98
60) Dibromochloromethane	8.46	129	101694	19.174	ug/l	98
61) 1,2-Dibromoethane	8.57	107	98457	18.917	ug/l	98
64) Tetrachloroethene	8.21	164	83867	19.785	ug/l	97
65) Chlorobenzene	9.10	112	254113	19.563	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	90734	19.264	ug/l	97
67) Ethyl Benzene	9.23	91	434682	19.741	ug/l	100
68) m/p-Xylenes	9.36	106	332504	39.714	ug/l	100
69) o-Xylene	9.76	106	158922	19.785	ug/l	100
70) Styrene	9.77	104	270274	19.624	ug/l	99
71) Bromoform	9.94	173	75666	18.490	ug/l #	98
73) Isopropylbenzene	10.15	105	430527	19.502	ug/l	100
74) N-amyl acetate	10.00	43	178331	19.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	159866	18.920	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	135955m	18.354	ug/l	
77) Bromobenzene	10.43	156	111426	18.764	ug/l	98
78) n-propylbenzene	10.57	91	500907	19.484	ug/l	100
79) 2-Chlorotoluene	10.64	91	300530	19.489	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	371645	19.863	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	40966m	18.622	ug/l	
82) 4-Chlorotoluene	10.76	91	341650	19.264	ug/l	100
83) tert-Butylbenzene	11.08	119	353353	19.184	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	370672	19.951	ug/l	100
85) sec-Butylbenzene	11.31	105	431613	19.551	ug/l	99
86) p-Isopropyltoluene	11.46	119	394473	19.757	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	200336	19.056	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	199798	18.792	ug/l	99
89) n-Butylbenzene	11.87	91	343299	19.502	ug/l	99
90) Hexachloroethane	12.13	117	59610	17.268	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	193758	19.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31971	18.993	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	124243	18.072	ug/l	100
94) Hexachlorobutadiene	13.68	225	75873	19.259	ug/l	99
95) Naphthalene	13.73	128	342769	17.901	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	125160	19.401	ug/l	98

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

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