

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090719\
 Data File : VU034365.D
 Acq On : 07 Sep 2019 05:18
 Operator : JC/SP
 Sample : K4725-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:31:39 PM

Quant Time: Sep 07 06:31:45 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	303717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	464551	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	454110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	290414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	228750	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	4.86	113	207498	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	7.55	98	806211	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	10.29	95	302173	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	138243	43.521	ug/l	99
3) Chloromethane	1.32	50	164286	47.869	ug/l	98
4) Vinyl Chloride	1.40	62	178830	45.180	ug/l	99
5) Bromomethane	1.61	94	111871	56.217	ug/l	99
6) Chloroethane	1.69	64	115274	50.108	ug/l	100
7) Trichlorofluoromethane	1.88	101	248967	46.910	ug/l	99
8) Diethyl Ether	2.09	74	115464	49.460	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	159133	45.270	ug/l	99
10) Methyl Iodide	2.40	142	162626	50.524	ug/l	99
11) Tert butyl alcohol	2.81	59	262478	270.366	ug/l	99
12) 1,1-Dichloroethene	2.27	96	160321	48.517	ug/l	94
13) Acrolein	2.18	56	120910	148.180	ug/l	99
14) Allyl chloride	2.58	41	290229m	45.941	ug/l	
15) Acrylonitrile	2.92	53	615869	254.746	ug/l	98
16) Acetone	2.31	43	484068	203.556	ug/l	99
17) Carbon Disulfide	2.47	76	315810	42.523	ug/l	99
18) Methyl Acetate	2.60	43	246614	42.619	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	631236	52.409	ug/l	100
20) Methylene Chloride	2.69	84	201700	51.798	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	168265	48.321	ug/l	97
22) Diisopropyl ether	3.55	45	628132	50.985	ug/l	99
23) Vinyl Acetate	3.50	43	2324439	231.624	ug/l	98
24) 1,1-Dichloroethane	3.43	63	352809	47.953	ug/l	99
25) 2-Butanone	4.23	43	790286	248.956	ug/l	98
26) 2,2-Dichloropropane	4.20	77	218609	36.943	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	219180	51.824	ug/l	94
28) Bromochloromethane	4.52	49	169912	50.209	ug/l	96
29) Tetrahydrofuran	4.61	42	501662	259.708	ug/l	98
30) Chloroform	4.65	83	354672	47.425	ug/l	99
31) Cyclohexane	4.97	56	248579	46.182	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	293190	49.034	ug/l	98
36) 1,1-Dichloropropene	5.12	75	231997	46.048	ug/l	98
37) Ethyl Acetate	4.36	43	257620	43.249	ug/l	100
38) Carbon Tetrachloride	5.11	117	245610	45.658	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	247426	45.941	ug/l	97
40) Benzene	5.37	78	765243	47.072	ug/l	100
41) Methacrylonitrile	4.52	41	160940	50.723	ug/l	98
42) 1,2-Dichloroethane	5.38	62	258098	45.728	ug/l	98
43) Isopropyl Acetate	5.53	43	424628	45.697	ug/l	97
44) Trichloroethene	6.17	130	213222	47.398	ug/l	99
45) 1,2-Dichloropropane	6.41	63	223244	46.974	ug/l	99
46) Dibromomethane	6.54	93	140761	47.185	ug/l	96
47) Bromodichloromethane	6.74	83	285739	46.533	ug/l	99
48) Methyl methacrylate	6.60	41	215295	48.781	ug/l	98
49) 1,4-Dioxane	6.59	88	99719	1034.703	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1572916	244.540	ug/l	98
52) Toluene	7.62	92	493089	48.352	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	296855	46.635	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	324265	46.414	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	217145	46.893	ug/l	98
56) Ethyl methacrylate	8.00	69	336582	47.975	ug/l	97
57) 1,3-Dichloropropane	8.22	76	361397	47.929	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.09	63	1366	17.151	ug/l #	48
59) 2-Hexanone	8.34	43	1187302	247.090	ug/l	99
60) Dibromochloromethane	8.46	129	245956	49.520	ug/l	99
61) 1,2-Dibromoethane	8.57	107	218429	48.194	ug/l	99
64) Tetrachloroethene	8.21	164	184200	46.755	ug/l	97
65) Chlorobenzene	9.10	112	573677	49.794	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	214896	48.876	ug/l	99
67) Ethyl Benzene	9.23	91	958209	50.867	ug/l	98
68) m/p-Xylenes	9.35	106	739231	104.213	ug/l	98
69) o-Xylene	9.76	106	368106	53.063	ug/l	100
70) Styrene	9.77	104	656517	53.978	ug/l	98
71) Bromoform	9.94	173	190625	50.026	ug/l #	100
73) Isopropylbenzene	10.14	105	996232	52.712	ug/l	100
74) N-amyl acetate	9.99	43	372908	49.018	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	374961	49.014	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	330270m	52.099	ug/l	
77) Bromobenzene	10.43	156	275395	52.114	ug/l	97
78) n-propylbenzene	10.57	91	1120014	51.313	ug/l	99
79) 2-Chlorotoluene	10.64	91	677426	50.866	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	842951	53.330	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	85840m	45.538	ug/l	
82) 4-Chlorotoluene	10.75	91	789533	51.515	ug/l	99
83) tert-Butylbenzene	11.08	119	847338	53.587	ug/l	98
84) 1,2,4-Trimethylbenzene	11.12	105	850482	53.453	ug/l	99
85) sec-Butylbenzene	11.30	105	977506	52.364	ug/l	100
86) p-Isopropyltoluene	11.45	119	908721	52.741	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	485839	50.382	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	488910	48.609	ug/l	99
89) n-Butylbenzene	11.87	91	761718	50.872	ug/l	99
90) Hexachloroethane	12.12	117	132770	48.165	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	484481	51.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	75550	53.743	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	341668	49.729	ug/l	99
94) Hexachlorobutadiene	13.67	225	145920	44.017	ug/l	99
95) Naphthalene	13.72	128	1028012	52.865	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	336244	50.614	ug/l	99

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

