

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U082719\
 Data File : VU033957.D
 Acq On : 26 Aug 2019 18:14
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:17:05 PM

Quant Time: Aug 27 06:33:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	432183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	706569	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	690479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	376615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	614039	95.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.30%	
35) Dibromofluoromethane	4.86	113	472758	105.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.84%	
50) Toluene-d8	7.54	98	1817314	103.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.20%	
62) 4-Bromofluorobenzene	10.29	95	707327	107.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	507818	89.308	ug/l	99
3) Chloromethane	1.32	50	575195	57.622	ug/l	99
4) Vinyl Chloride	1.39	62	648288	86.085	ug/l	99
5) Bromomethane	1.59	94	270627	85.740	ug/l	98
6) Chloroethane	1.67	64	388442	90.288	ug/l	99
7) Trichlorofluoromethane	1.86	101	748979	92.756	ug/l	100
8) Diethyl Ether	2.09	74	326537	87.526	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.26	101	439962	91.565	ug/l	99
10) Methyl Iodide	2.39	142	722415	164.672	ug/l	99
11) Tert butyl alcohol	2.81	59	679587	472.478	ug/l	100
12) 1,1-Dichloroethene	2.26	96	449860	93.947	ug/l	97
13) Acrolein	2.18	56	386059	353.494	ug/l	99
14) Allyl chloride	2.57	41	795277	72.905	ug/l	99
15) Acrylonitrile	2.91	53	1716953	431.513	ug/l	99
16) Acetone	2.30	43	1600070	380.884	ug/l	98
17) Carbon Disulfide	2.45	76	1468043	85.877	ug/l	99
18) Methyl Acetate	2.59	43	786973	74.090	ug/l	100
19) Methyl tert-butyl Ether	2.97	73	1545208	86.539	ug/l	100
20) Methylene Chloride	2.68	84	528623	83.927	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	495516	91.813	ug/l	99
22) Diisopropyl ether	3.54	45	1696205	79.647	ug/l	94
23) Vinyl Acetate	3.50	43	7708042	435.140	ug/l	99
24) 1,1-Dichloroethane	3.42	63	959725	84.591	ug/l	99
25) 2-Butanone	4.23	43	2434850	426.524	ug/l	100
26) 2,2-Dichloropropane	4.19	77	780136	86.363	ug/l	99
27) cis-1,2-Dichloroethene	4.19	96	556222	91.772	ug/l	100
28) Bromochloromethane	4.51	49	458619	89.227	ug/l	100
29) Tetrahydrofuran	4.61	42	1519798	416.414	ug/l	100
30) Chloroform	4.64	83	905165	90.499	ug/l	99
31) Cyclohexane	4.97	56	873533	66.130	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	772758	92.863	ug/l	99
36) 1,1-Dichloropropene	5.11	75	708631	92.482	ug/l	100
37) Ethyl Acetate	4.35	43	872437	89.422	ug/l	99
38) Carbon Tetrachloride	5.11	117	669454	105.094	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	855578	91.866	ug/l	100
40) Benzene	5.36	78	2084994	92.249	ug/l	100
41) Methacrylonitrile	4.51	41	473652	89.073	ug/l	99
42) 1,2-Dichloroethane	5.38	62	749139	93.922	ug/l	100
43) Isopropyl Acetate	5.52	43	1331384	86.852	ug/l	99
44) Trichloroethene	6.16	130	523093	101.780	ug/l	99
45) 1,2-Dichloropropane	6.41	63	571165	90.583	ug/l	100
46) Dibromomethane	6.54	93	374592	98.602	ug/l	97
47) Bromodichloromethane	6.73	83	744327	99.800	ug/l	99
48) Methyl methacrylate	6.60	41	655340	86.523	ug/l	99
49) 1,4-Dioxane	6.59	88	283352	2237.579	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	4563480	465.698	ug/l	100
52) Toluene	7.61	92	1268617	95.019	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	875284	99.944	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	930474	97.810	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	521364	98.183	ug/l	99
56) Ethyl methacrylate	8.00	69	900228	101.005	ug/l	99
57) 1,3-Dichloropropane	8.22	76	946669	96.238	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	1718987	392.323	ug/l	100
59) 2-Hexanone	8.34	43	3590479	463.256	ug/l	99
60) Dibromochloromethane	8.46	129	576333	108.799	ug/l	100
61) 1,2-Dibromoethane	8.57	107	573102	102.569	ug/l	99
64) Tetrachloroethene	8.21	164	445354	95.963	ug/l	99
65) Chlorobenzene	9.10	112	1388917	95.026	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	515130	108.350	ug/l	100
67) Ethyl Benzene	9.23	91	2489012	93.284	ug/l	100
68) m/p-Xylenes	9.36	106	1876914	192.837	ug/l	99
69) o-Xylene	9.76	106	908611	96.319	ug/l	100
70) Styrene	9.77	104	1615150	102.238	ug/l	99
71) Bromoform	9.94	173	461199	114.059	ug/l #	98
73) Isopropylbenzene	10.15	105	2464498	87.128	ug/l	99
74) N-amyl acetate	10.00	43	1240136	78.380	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	941987	86.755	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	801562m	84.901	ug/l	
77) Bromobenzene	10.43	156	617084	92.367	ug/l	100
78) n-propylbenzene	10.57	91	2967598	84.842	ug/l	100
79) 2-Chlorotoluene	10.64	91	1709959	84.851	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	2140941	91.168	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	376987m	91.623	ug/l	
82) 4-Chlorotoluene	10.75	91	2045200	85.391	ug/l	100
83) tert-Butylbenzene	11.08	119	2061111	91.275	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	2164843	89.646	ug/l	100
85) sec-Butylbenzene	11.31	105	2569870	89.071	ug/l	100
86) p-Isopropyltoluene	11.46	119	2358777	94.944	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	1156428	91.575	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1137014	87.201	ug/l	100
89) n-Butylbenzene	11.87	91	2246572	90.470	ug/l	99
90) Hexachloroethane	12.13	117	425548	110.469	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	1129259	89.732	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	220712	93.950	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	810281	90.049	ug/l	100
94) Hexachlorobutadiene	13.67	225	416731	98.876	ug/l	99
95) Naphthalene	13.73	128	2458344	83.365	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	792323	87.831	ug/l	98

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

