

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034168.D
 Acq On : 01 Sep 2019 14:56
 Operator : JC/SP
 Sample : VU0902WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0902WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:43:48 AM

Quant Time: Sep 02 09:01:00 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	404268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	655554	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	629295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	336922	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	263640	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	4.86	113	223001	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	7.55	98	851175	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	10.29	95	313558	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	78738	19.366	ug/l	98
3) Chloromethane	1.32	50	101587	17.343	ug/l	99
4) Vinyl Chloride	1.40	62	102282	18.901	ug/l	97
5) Bromomethane	1.62	94	57674	18.480	ug/l	97
6) Chloroethane	1.69	64	62489	18.889	ug/l	99
7) Trichlorofluoromethane	1.88	101	123459	19.690	ug/l	99
8) Diethyl Ether	2.09	74	53906	20.097	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	78828	19.845	ug/l	98
10) Methyl Iodide	2.40	142	56708	10.064	ug/l	98
11) Tert butyl alcohol	2.81	59	103857	86.943	ug/l	99
12) 1,1-Dichloroethene	2.27	96	80202	19.817	ug/l	98
13) Acrolein	2.18	56	29747	59.196	ug/l	99
14) Allyl chloride	2.58	41	147797m	19.423	ug/l	
15) Acrylonitrile	2.92	53	275235	100.410	ug/l	99
16) Acetone	2.31	43	234088	88.566	ug/l	99
17) Carbon Disulfide	2.47	76	222626	17.381	ug/l	100
18) Methyl Acetate	2.60	43	132535	19.404	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	275002	20.739	ug/l	99
20) Methylene Chloride	2.69	84	98310	19.648	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	86956	19.797	ug/l	98
22) Diisopropyl ether	3.55	45	290494	20.834	ug/l	94
23) Vinyl Acetate	3.50	43	1203850	100.507	ug/l	99
24) 1,1-Dichloroethane	3.43	63	166691	20.249	ug/l	99
25) 2-Butanone	4.24	43	356798	97.029	ug/l	100
26) 2,2-Dichloropropane	4.20	77	125002	18.661	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	99208	20.123	ug/l	96
28) Bromochloromethane	4.53	49	81383	20.066	ug/l	98
29) Tetrahydrofuran	4.61	42	236087	104.106	ug/l	97
30) Chloroform	4.65	83	163224	19.873	ug/l	96
31) Cyclohexane	4.97	56	146188	18.899	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	134771	20.035	ug/l	100
36) 1,1-Dichloropropene	5.12	75	117357	18.926	ug/l	99
37) Ethyl Acetate	4.36	43	131248	18.902	ug/l	99
38) Carbon Tetrachloride	5.11	117	114289	19.095	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	133111	18.214	ug/l	99
40) Benzene	5.37	78	368085	19.620	ug/l	99
41) Methacrylonitrile	4.52	41	69354	19.475	ug/l	99
42) 1,2-Dichloroethane	5.38	62	125577	19.384	ug/l	99
43) Isopropyl Acetate	5.53	43	197235	18.671	ug/l	100
44) Trichloroethene	6.17	130	98858	20.067	ug/l	97
45) 1,2-Dichloropropane	6.41	63	103159	19.975	ug/l	99
46) Dibromomethane	6.54	93	64911	19.509	ug/l	99
47) Bromodichloromethane	6.74	83	128526	19.744	ug/l	98
48) Methyl methacrylate	6.60	41	95240	18.683	ug/l	99
49) 1,4-Dioxane	6.59	88	40756	319.098	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	682830	93.597	ug/l	100
52) Toluene	7.62	92	229866	19.890	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	131301	18.178	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	149453	18.939	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	94857	19.404	ug/l	99
56) Ethyl methacrylate	8.00	69	134436	17.229	ug/l	99
57) 1,3-Dichloropropane	8.22	76	161456	19.452	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	215311	79.614	ug/l	98
59) 2-Hexanone	8.34	43	508956	92.414	ug/l	100
60) Dibromochloromethane	8.46	129	98731	18.815	ug/l	100
61) 1,2-Dibromoethane	8.57	107	94922	18.433	ug/l	99
64) Tetrachloroethene	8.21	164	87926	20.805	ug/l	98
65) Chlorobenzene	9.10	112	250509	19.344	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	88066	18.754	ug/l	97
67) Ethyl Benzene	9.23	91	421897	19.219	ug/l	99
68) m/p-Xylenes	9.36	106	326861	39.158	ug/l	100
69) o-Xylene	9.76	106	153283	19.141	ug/l	99
70) Styrene	9.77	104	268867	19.581	ug/l	99
71) Bromoform	9.94	173	73147	17.928	ug/l #	99
73) Isopropylbenzene	10.15	105	420336	18.574	ug/l	100
74) N-amyl acetate	10.00	43	169609	17.819	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	158215	18.266	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	131033m	17.256	ug/l	
77) Bromobenzene	10.43	156	112728	18.517	ug/l	99
78) n-propylbenzene	10.57	91	489251	18.563	ug/l	99
79) 2-Chlorotoluene	10.64	91	296796	18.775	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	363151	18.933	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	40751m	18.070	ug/l	
82) 4-Chlorotoluene	10.75	91	341501	18.784	ug/l	99
83) tert-Butylbenzene	11.08	119	333589	17.667	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	360740	18.940	ug/l	99
85) sec-Butylbenzene	11.30	105	409778	18.107	ug/l	99
86) p-Isopropyltoluene	11.46	119	379545	18.543	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	202142	18.756	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	206171	18.915	ug/l	99
89) n-Butylbenzene	11.87	91	328511	18.204	ug/l	99
90) Hexachloroethane	12.12	117	54127	15.295	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	195674	18.953	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	29030	16.823	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	122701	17.451	ug/l	99
94) Hexachlorobutadiene	13.67	225	59714	14.785	ug/l	99
95) Naphthalene	13.72	128	333409	17.076	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	125032	18.906	ug/l	98

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

