

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034281.D
 Acq On : 05 Sep 2019 14:12
 Operator : JC/SP
 Sample : VU0906WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:21:52 PM

Quant Time: Sep 06 07:54:37 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	329221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	486185	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	474127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	311153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	242695	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	4.86	113	212498	46.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.94%	
50) Toluene-d8	7.55	98	838072	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	10.29	95	305351	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	63492	18.440	ug/l	97
3) Chloromethane	1.32	50	78716	21.111	ug/l	100
4) Vinyl Chloride	1.40	62	80556	18.775	ug/l	99
5) Bromomethane	1.62	94	49337	20.114	ug/l	94
6) Chloroethane	1.69	64	51427	20.021	ug/l	95
7) Trichlorofluoromethane	1.88	101	111286	19.344	ug/l	100
8) Diethyl Ether	2.09	74	49615	19.606	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	72708	19.082	ug/l	97
10) Methyl Iodide	2.40	142	40014	14.442	ug/l	99
11) Tert butyl alcohol	2.81	59	100963	95.941	ug/l	99
12) 1,1-Dichloroethene	2.27	96	69527	19.410	ug/l	97
13) Acrolein	2.18	56	78374	88.609	ug/l	100
14) Allyl chloride	2.58	41	131911m	19.263	ug/l	
15) Acrylonitrile	2.92	53	263611	100.592	ug/l	98
16) Acetone	2.31	43	234201	90.855	ug/l	99
17) Carbon Disulfide	2.47	76	148182	18.407	ug/l	98
18) Methyl Acetate	2.60	43	115462	18.408	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	263183	20.158	ug/l	99
20) Methylene Chloride	2.69	84	87564	20.503	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	72974	19.333	ug/l	99
22) Diisopropyl ether	3.55	45	273961	20.514	ug/l	93
23) Vinyl Acetate	3.50	43	1118645	102.834	ug/l	99
24) 1,1-Dichloroethane	3.43	63	155384	19.483	ug/l	100
25) 2-Butanone	4.24	43	345218	100.326	ug/l	99
26) 2,2-Dichloropropane	4.20	77	123418	19.241	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	91899	20.046	ug/l	98
28) Bromochloromethane	4.52	49	61996	16.901	ug/l	99
29) Tetrahydrofuran	4.62	42	216313	103.309	ug/l	99
30) Chloroform	4.65	83	154962	19.116	ug/l	100
31) Cyclohexane	4.97	56	115327	19.766	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	126984	19.592	ug/l	98
36) 1,1-Dichloropropene	5.12	75	100728	19.104	ug/l	99
37) Ethyl Acetate	4.36	43	118257	18.969	ug/l	99
38) Carbon Tetrachloride	5.11	117	107465	19.088	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	108688	19.283	ug/l	98
40) Benzene	5.37	78	325916	19.156	ug/l	100
41) Methacrylonitrile	4.52	41	67003	20.178	ug/l	98
42) 1,2-Dichloroethane	5.39	62	114360	19.360	ug/l	99
43) Isopropyl Acetate	5.53	43	192016	19.744	ug/l	99
44) Trichloroethene	6.17	130	90312	19.182	ug/l	98
45) 1,2-Dichloropropane	6.41	63	95594	19.219	ug/l	98
46) Dibromomethane	6.54	93	59813	19.158	ug/l	99
47) Bromodichloromethane	6.74	83	121972	18.979	ug/l	100
48) Methyl methacrylate	6.60	41	88311	19.119	ug/l	99
49) 1,4-Dioxane	6.59	88	37376	370.563	ug/l	96
51) 4-Methyl-2-Pentanone	7.44	43	659868	98.024	ug/l	100
52) Toluene	7.62	92	209493	19.629	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	126082	18.926	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	142152	19.442	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	91081	18.794	ug/l	96
56) Ethyl methacrylate	8.00	69	130801	19.748	ug/l	98
57) 1,3-Dichloropropane	8.22	76	151561	19.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	208458	94.738	ug/l	100
59) 2-Hexanone	8.34	43	491066	97.648	ug/l	99
60) Dibromochloromethane	8.46	129	99321	19.107	ug/l	99
61) 1,2-Dibromoethane	8.57	107	92566	19.515	ug/l	98
64) Tetrachloroethene	8.21	164	78389	19.057	ug/l	99
65) Chlorobenzene	9.10	112	239000	19.869	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	88660	19.313	ug/l	99
67) Ethyl Benzene	9.23	91	397115	20.191	ug/l	100
68) m/p-Xylenes	9.36	106	303963	41.042	ug/l	99
69) o-Xylene	9.76	106	149104	20.586	ug/l	99
70) Styrene	9.77	104	263785	20.773	ug/l	99
71) Bromoform	9.94	173	76358	19.193	ug/l #	99
73) Isopropylbenzene	10.15	105	409148	20.206	ug/l	99
74) N-amyl acetate	10.00	43	161806	19.851	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	157004	19.155	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	128801m	18.964	ug/l	
77) Bromobenzene	10.43	156	110691	19.550	ug/l	99
78) n-propylbenzene	10.57	91	468090	20.016	ug/l	100
79) 2-Chlorotoluene	10.64	91	288440	20.214	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	357331	21.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	42205m	20.897	ug/l	
82) 4-Chlorotoluene	10.75	91	330762	20.143	ug/l	99
83) tert-Butylbenzene	11.08	119	338438	19.977	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	354238	20.780	ug/l	99
85) sec-Butylbenzene	11.31	105	411605	20.579	ug/l	100
86) p-Isopropyltoluene	11.46	119	380700	20.623	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	200761	19.432	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	201353	18.685	ug/l	98
89) n-Butylbenzene	11.87	91	323266	20.151	ug/l	100
90) Hexachloroethane	12.12	117	53961	18.271	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	199615	19.659	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	29812	19.794	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	130032	19.890	ug/l	99
94) Hexachlorobutadiene	13.67	225	65986	18.578	ug/l	99
95) Naphthalene	13.73	128	334828	18.831	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	131279	20.121	ug/l	98

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

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