

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034351.D
 Acq On : 06 Sep 2019 23:55
 Operator : JC/SP
 Sample : VU0907WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:30:47 PM

Quant Time: Sep 07 05:04:33 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	291221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	425351	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	426854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	280083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	223121	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	4.86	113	199391	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	7.55	98	786787	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
62) 4-Bromofluorobenzene	10.29	95	289474	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56778	18.642	ug/l	99
3) Chloromethane	1.32	50	67381	20.426	ug/l	99
4) Vinyl Chloride	1.40	62	70217	18.501	ug/l	98
5) Bromomethane	1.62	94	46765	21.885	ug/l	97
6) Chloroethane	1.69	64	45441	19.998	ug/l	98
7) Trichlorofluoromethane	1.88	101	96705	19.003	ug/l	99
8) Diethyl Ether	2.10	74	44426	19.847	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	64486	19.132	ug/l	99
10) Methyl Iodide	2.40	142	45187	17.373	ug/l	99
11) Tert butyl alcohol	2.81	59	92875	99.771	ug/l	100
12) 1,1-Dichloroethene	2.27	96	62725	19.796	ug/l	96
13) Acrolein	2.19	56	44137	56.413	ug/l	97
14) Allyl chloride	2.58	41	113809m	18.788	ug/l	
15) Acrylonitrile	2.92	53	239058	103.126	ug/l	99
16) Acetone	2.31	43	188339	82.597	ug/l	99
17) Carbon Disulfide	2.47	76	124576	17.494	ug/l	100
18) Methyl Acetate	2.60	43	107271	19.334	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	240008	20.782	ug/l	99
20) Methylene Chloride	2.69	84	79260	20.990	ug/l	97
21) trans-1,2-Dichloroethene	2.97	96	64882	19.432	ug/l	98
22) Diisopropyl ether	3.55	45	244981	20.738	ug/l	92
23) Vinyl Acetate	3.51	43	977785	101.614	ug/l	98
24) 1,1-Dichloroethane	3.43	63	136926	19.409	ug/l	99
25) 2-Butanone	4.24	43	302760	99.468	ug/l	98
26) 2,2-Dichloropropane	4.21	77	92792	16.354	ug/l	97
27) cis-1,2-Dichloroethene	4.21	96	83898	20.689	ug/l	96
28) Bromochloromethane	4.53	49	65478	20.179	ug/l	94
29) Tetrahydrofuran	4.62	42	191910	103.614	ug/l	98
30) Chloroform	4.65	83	140789	19.633	ug/l	97
31) Cyclohexane	4.97	56	100677	19.507	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	113419	19.783	ug/l	99
36) 1,1-Dichloropropene	5.12	75	89678	19.440	ug/l	99
37) Ethyl Acetate	4.36	43	108843	19.956	ug/l	99
38) Carbon Tetrachloride	5.11	117	96769	19.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	96439	19.557	ug/l	94
40) Benzene	5.37	78	297469	19.985	ug/l	100
41) Methacrylonitrile	4.52	41	60105	20.689	ug/l	97
42) 1,2-Dichloroethane	5.38	62	101344	19.610	ug/l	99
43) Isopropyl Acetate	5.53	43	170175	20.001	ug/l	98
44) Trichloroethene	6.17	130	84425	20.497	ug/l	98
45) 1,2-Dichloropropane	6.41	63	86509	19.880	ug/l	99
46) Dibromomethane	6.54	93	54079	19.799	ug/l	98
47) Bromodichloromethane	6.74	83	111128	19.765	ug/l	99
48) Methyl methacrylate	6.60	41	78656	19.464	ug/l	97
49) 1,4-Dioxane	6.59	88	38788	439.563	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	582235	98.862	ug/l	99
52) Toluene	7.62	92	191009	20.456	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	109989	18.871	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	125026	19.545	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	83768	19.757	ug/l	98
56) Ethyl methacrylate	8.00	69	119458	20.480	ug/l	99
57) 1,3-Dichloropropane	8.22	76	136802	19.815	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	182158	94.645	ug/l	99
59) 2-Hexanone	8.34	43	436266	99.159	ug/l	99
60) Dibromochloromethane	8.46	129	89572	19.696	ug/l	97
61) 1,2-Dibromoethane	8.57	107	83043	20.011	ug/l	98
64) Tetrachloroethene	8.21	164	74934	20.235	ug/l	99
65) Chlorobenzene	9.10	112	219348	20.255	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	81176	19.641	ug/l	98
67) Ethyl Benzene	9.23	91	363756	20.543	ug/l	99
68) m/p-Xylenes	9.35	106	281337	42.194	ug/l	99
69) o-Xylene	9.76	106	136927	20.999	ug/l	100
70) Styrene	9.77	104	243036	21.258	ug/l	98
71) Bromoform	9.94	173	69234	19.329	ug/l #	99
73) Isopropylbenzene	10.14	105	379305	20.810	ug/l	99
74) N-amyl acetate	9.99	43	148614	20.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	145773	19.758	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	118111m	19.319	ug/l	
77) Bromobenzene	10.43	156	105059	20.614	ug/l	97
78) n-propylbenzene	10.57	91	429606	20.408	ug/l	99
79) 2-Chlorotoluene	10.64	91	264707	20.609	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	321443	21.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	34360m	18.900	ug/l	
82) 4-Chlorotoluene	10.75	91	301973	20.430	ug/l	99
83) tert-Butylbenzene	11.08	119	315521	20.690	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	323514	21.083	ug/l	100
85) sec-Butylbenzene	11.30	105	379465	21.077	ug/l	100
86) p-Isopropyltoluene	11.45	119	346074	20.826	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	189117	20.335	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	190682	19.657	ug/l	99
89) n-Butylbenzene	11.87	91	285814	19.792	ug/l	99
90) Hexachloroethane	12.12	117	48409	18.209	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	185105	20.252	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	27265	20.111	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	118119	20.041	ug/l	99
94) Hexachlorobutadiene	13.67	225	59097	18.484	ug/l	97
95) Naphthalene	13.72	128	338822	20.677	ug/l	98
96) 1,2,3-Trichlorobenzene	13.97	180	119133	20.264	ug/l	97

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

