

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034096.D
 Acq On : 30 Aug 2019 14:21
 Operator : JC/SP
 Sample : VU0831WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0831WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:24:42 AM

Quant Time: Aug 30 19:27:48 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	434344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	677198	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	653758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	351671	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	267467	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	4.86	113	225612	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	7.55	98	862507	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	10.29	95	320672	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	88031	20.152	ug/l	98
3) Chloromethane	1.32	50	106632	16.894	ug/l	98
4) Vinyl Chloride	1.40	62	112657	19.377	ug/l	99
5) Bromomethane	1.62	94	49322	13.368	ug/l	100
6) Chloroethane	1.69	64	70061	19.711	ug/l	98
7) Trichlorofluoromethane	1.88	101	133008	19.744	ug/l	98
8) Diethyl Ether	2.09	74	59011	20.477	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	85450	20.023	ug/l	99
10) Methyl Iodide	2.40	142	39225	6.479	ug/l	100
11) Tert butyl alcohol	2.81	59	112284	87.488	ug/l	99
12) 1,1-Dichloroethene	2.27	96	87975	20.232	ug/l	99
13) Acrolein	2.18	56	39180	72.569	ug/l	94
14) Allyl chloride	2.58	41	139910	17.114	ug/l	91
15) Acrylonitrile	2.92	53	290386	98.602	ug/l	99
16) Acetone	2.31	43	246131	86.674	ug/l	100
17) Carbon Disulfide	2.46	76	253531	18.423	ug/l	100
18) Methyl Acetate	2.60	43	135062	18.405	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	295323	20.729	ug/l	99
20) Methylene Chloride	2.68	84	104124	19.369	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	92008	19.497	ug/l	95
22) Diisopropyl ether	3.55	45	308791	20.613	ug/l	94
23) Vinyl Acetate	3.50	43	1302044	101.178	ug/l	100
24) 1,1-Dichloroethane	3.43	63	180829	20.445	ug/l	100
25) 2-Butanone	4.24	43	385161	97.489	ug/l	99
26) 2,2-Dichloropropane	4.20	77	134457	18.683	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	106412	20.090	ug/l	98
28) Bromochloromethane	4.52	49	83684	19.205	ug/l	100
29) Tetrahydrofuran	4.61	42	244490	100.346	ug/l	99
30) Chloroform	4.65	83	176666	20.020	ug/l	99
31) Cyclohexane	4.97	56	161417	19.423	ug/l	95
32) 1,1,1-Trichloroethane	4.89	97	144873	20.046	ug/l	99
36) 1,1-Dichloropropene	5.12	75	127419	19.892	ug/l	100
37) Ethyl Acetate	4.36	43	143103	19.950	ug/l	99
38) Carbon Tetrachloride	5.11	117	122631	19.834	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	149242	19.768	ug/l	99
40) Benzene	5.37	78	397205	20.496	ug/l	99
41) Methacrylonitrile	4.52	41	73386	19.949	ug/l	98
42) 1,2-Dichloroethane	5.38	62	137614	20.563	ug/l	99
43) Isopropyl Acetate	5.53	43	217164	19.900	ug/l	99
44) Trichloroethene	6.17	130	103236	20.285	ug/l	98
45) 1,2-Dichloropropane	6.41	63	108254	20.292	ug/l	99
46) Dibromomethane	6.54	93	70044	20.379	ug/l	99
47) Bromodichloromethane	6.74	83	135644	20.172	ug/l	98
48) Methyl methacrylate	6.60	41	100907	19.163	ug/l	97
49) 1,4-Dioxane	6.59	88	44159	334.692	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	732444	97.189	ug/l	100
52) Toluene	7.62	92	249037	20.860	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	142760	19.133	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	163097	20.008	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	99668	19.737	ug/l	99
56) Ethyl methacrylate	8.00	69	144191	17.851	ug/l	99
57) 1,3-Dichloropropane	8.22	76	171682	20.023	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	273442	97.877	ug/l	100
59) 2-Hexanone	8.34	43	550818	96.818	ug/l	99
60) Dibromochloromethane	8.46	129	104710	19.317	ug/l	99
61) 1,2-Dibromoethane	8.57	107	104777	19.697	ug/l	99
64) Tetrachloroethene	8.21	164	89932	20.484	ug/l	98
65) Chlorobenzene	9.10	112	268504	19.958	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	95066	19.487	ug/l	99
67) Ethyl Benzene	9.23	91	456022	19.996	ug/l	99
68) m/p-Xylenes	9.36	106	351815	40.571	ug/l	100
69) o-Xylene	9.76	106	166646	20.031	ug/l	99
70) Styrene	9.77	104	291644	20.445	ug/l	100
71) Bromoform	9.94	173	78521	18.525	ug/l #	99
73) Isopropylbenzene	10.15	105	450601	19.076	ug/l	100
74) N-amyl acetate	10.00	43	187533	18.876	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	168690	18.658	ug/l	98
76) 1,2,3-Trichloropropane	10.48	75	141430m	17.844	ug/l	
77) Bromobenzene	10.43	156	117872	18.550	ug/l	97
78) n-propylbenzene	10.57	91	531642	19.326	ug/l	99
79) 2-Chlorotoluene	10.64	91	318532	19.304	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	393465	19.653	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	46915m	19.931	ug/l	
82) 4-Chlorotoluene	10.75	91	368070	19.396	ug/l	99
83) tert-Butylbenzene	11.08	119	366965	18.619	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	385206	19.376	ug/l	99
85) sec-Butylbenzene	11.31	105	445729	18.869	ug/l	100
86) p-Isopropyltoluene	11.46	119	413782	19.368	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	217284	19.315	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	218100	19.171	ug/l	98
89) n-Butylbenzene	11.87	91	365212	19.389	ug/l	99
90) Hexachloroethane	12.13	117	59951	16.230	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	211860	19.660	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	32886	18.258	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	137575	18.663	ug/l	98
94) Hexachlorobutadiene	13.67	225	69708	16.536	ug/l	98
95) Naphthalene	13.73	128	384348	18.673	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	140924	20.415	ug/l	97

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

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