

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090319\
 Data File : VU034189.D
 Acq On : 02 Sep 2019 10:10
 Operator : JC/SP
 Sample : VU0903WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0903WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 1:09:28 PM

Quant Time: Sep 03 06:45:50 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	415953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	633225	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	604044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	327198	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	257850	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
35) Dibromofluoromethane	4.86	113	219776	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	7.55	98	833861	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	10.29	95	310038	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	79372	18.973	ug/l	100
3) Chloromethane	1.32	50	97314	15.997	ug/l	100
4) Vinyl Chloride	1.40	62	102059	18.330	ug/l	100
5) Bromomethane	1.62	94	56074	17.101	ug/l	99
6) Chloroethane	1.69	64	61534	18.078	ug/l	98
7) Trichlorofluoromethane	1.88	101	123312	19.114	ug/l	99
8) Diethyl Ether	2.09	74	52902	19.169	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	80444	19.683	ug/l	99
10) Methyl Iodide	2.40	142	57409	9.902	ug/l	98
11) Tert butyl alcohol	2.81	59	108371	88.173	ug/l	99
12) 1,1-Dichloroethene	2.27	96	79688	19.137	ug/l	98
13) Acrolein	2.18	56	25757	49.816	ug/l	99
14) Allyl chloride	2.58	41	148826m	19.009	ug/l	
15) Acrylonitrile	2.92	53	277953	98.553	ug/l	100
16) Acetone	2.31	43	287419	105.689	ug/l	99
17) Carbon Disulfide	2.47	76	218583	16.585	ug/l	100
18) Methyl Acetate	2.60	43	133903	19.054	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	267975	19.641	ug/l	98
20) Methylene Chloride	2.69	84	95812	18.610	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	83735	18.528	ug/l	95
22) Diisopropyl ether	3.55	45	288345	20.099	ug/l	95
23) Vinyl Acetate	3.50	43	1191142	96.652	ug/l	99
24) 1,1-Dichloroethane	3.42	63	166181	19.620	ug/l	99
25) 2-Butanone	4.24	43	379814	100.386	ug/l	100
26) 2,2-Dichloropropane	4.20	77	134976	19.584	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	96598	19.043	ug/l	99
28) Bromochloromethane	4.52	49	83654	20.047	ug/l	98
29) Tetrahydrofuran	4.62	42	231249	99.108	ug/l	99
30) Chloroform	4.65	83	165981	19.641	ug/l	99
31) Cyclohexane	4.97	56	144670	18.177	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	133920	19.349	ug/l	98
36) 1,1-Dichloropropene	5.12	75	116565	19.462	ug/l	98
37) Ethyl Acetate	4.36	43	131322	19.579	ug/l	99
38) Carbon Tetrachloride	5.11	117	113570	19.644	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	132656	18.791	ug/l	96
40) Benzene	5.37	78	361259	19.935	ug/l	100
41) Methacrylonitrile	4.52	41	70070	20.370	ug/l	99
42) 1,2-Dichloroethane	5.38	62	126109	20.153	ug/l	99
43) Isopropyl Acetate	5.53	43	196951	19.301	ug/l	100
44) Trichloroethene	6.17	130	95132	19.991	ug/l	97
45) 1,2-Dichloropropane	6.41	63	100195	20.086	ug/l	98
46) Dibromomethane	6.54	93	65009	20.228	ug/l	98
47) Bromodichloromethane	6.74	83	128638	20.458	ug/l	97
48) Methyl methacrylate	6.60	41	93173	18.923	ug/l	97
49) 1,4-Dioxane	6.59	88	44793	363.073	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	688445	97.695	ug/l	100
52) Toluene	7.62	92	225150	20.169	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	134306	19.250	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	151206	19.837	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	95815	20.291	ug/l	98
56) Ethyl methacrylate	8.00	69	132362	17.542	ug/l	99
57) 1,3-Dichloropropane	8.22	76	158102	19.719	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	225285	86.240	ug/l	99
59) 2-Hexanone	8.34	43	528883	99.418	ug/l	99
60) Dibromochloromethane	8.46	129	99465	19.623	ug/l	100
61) 1,2-Dibromoethane	8.57	107	97641	19.630	ug/l	99
64) Tetrachloroethene	8.21	164	87439	21.555	ug/l	98
65) Chlorobenzene	9.10	112	245906	19.782	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	89580	19.874	ug/l	99
67) Ethyl Benzene	9.23	91	419776	19.921	ug/l	98
68) m/p-Xylenes	9.36	106	321237	40.093	ug/l	99
69) o-Xylene	9.76	106	151904	19.761	ug/l	98
70) Styrene	9.77	104	267298	20.280	ug/l	100
71) Bromoform	9.94	173	75267	19.219	ug/l #	99
73) Isopropylbenzene	10.15	105	416614	18.956	ug/l	99
74) N-amyl acetate	10.00	43	167871	18.161	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	157785	18.757	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	138107m	18.728	ug/l	
77) Bromobenzene	10.43	156	111606	18.878	ug/l	99
78) n-propylbenzene	10.57	91	490774	19.175	ug/l	100
79) 2-Chlorotoluene	10.64	91	292017	19.021	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	364221	19.553	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	35960m	16.420	ug/l	
82) 4-Chlorotoluene	10.75	91	346442	19.622	ug/l	99
83) tert-Butylbenzene	11.08	119	337016	18.379	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	359264	19.423	ug/l	98
85) sec-Butylbenzene	11.30	105	415115	18.888	ug/l	100
86) p-Isopropyltoluene	11.46	119	383656	19.301	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	202190	19.318	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	204431	19.313	ug/l	99
89) n-Butylbenzene	11.87	91	332048	18.947	ug/l	99
90) Hexachloroethane	12.12	117	56717	16.503	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	196099	19.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31482	18.786	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	121842	17.818	ug/l	99
94) Hexachlorobutadiene	13.67	225	64670	16.488	ug/l	98
95) Naphthalene	13.73	128	332601	17.492	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	122110	19.012	ug/l	99

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

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