

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100618\
 Data File : VU027460.D
 Acq On : 05 Oct 2018 18:00
 Operator : MD/SY
 Sample : VU1006WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1006WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 2:05:18 PM

Quant Time: Oct 06 01:00:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	124118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	212253	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	197155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	100726	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	90297	43.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.14%	
35) Dibromofluoromethane	4.88	113	65549	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	
50) Toluene-d8	7.57	98	247762	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
62) 4-Bromofluorobenzene	10.31	95	91946	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	30500	17.045	ug/l	99
3) Chloromethane	1.33	50	39302	16.223	ug/l	97
4) Vinyl Chloride	1.40	62	38503	16.907	ug/l	99
5) Bromomethane	1.63	94	22383	22.714	ug/l	97
6) Chloroethane	1.70	64	24075	17.593	ug/l	97
7) Trichlorofluoromethane	1.89	101	41414	17.923	ug/l	97
8) Diethyl Ether	2.11	74	18827	17.688	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23614	17.597	ug/l	96
10) Methyl Iodide	2.41	142	18554	21.497	ug/l	96
11) Tert butyl alcohol	2.83	59	38418	88.025	ug/l	98
12) 1,1-Dichloroethene	2.28	96	22219	16.947	ug/l	98
13) Acrolein	2.20	56	14721	40.197	ug/l	100
14) Allyl chloride	2.59	41	51146	16.428	ug/l	98
15) Acrylonitrile	2.94	53	100894	88.819	ug/l	100
16) Acetone	2.32	43	101726	83.083	ug/l	99
17) Carbon Disulfide	2.48	76	72348	15.301	ug/l	100
18) Methyl Acetate	2.62	43	53663	19.212	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	90597	17.246	ug/l	100
20) Methylene Chloride	2.70	84	29550	17.326	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	25806	17.532	ug/l	97
22) Diisopropyl ether	3.58	45	109332	17.278	ug/l	95
23) Vinyl Acetate	3.53	43	471793	85.374	ug/l	100
24) 1,1-Dichloroethane	3.45	63	56530	17.378	ug/l	99
25) 2-Butanone	4.27	43	145812	87.331	ug/l	98
26) 2,2-Dichloropropane	4.23	77	42953	16.069	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	29328	17.423	ug/l	98
28) Bromochloromethane	4.55	49	30068	19.158	ug/l	100
29) Tetrahydrofuran	4.64	42	94049	89.381	ug/l	99
30) Chloroform	4.67	83	51393	17.782	ug/l	98
31) Cyclohexane	5.00	56	53715	15.998	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	42435	17.433	ug/l	98
36) 1,1-Dichloropropene	5.14	75	39461	17.123	ug/l	98
37) Ethyl Acetate	4.38	43	53178	17.854	ug/l	98
38) Carbon Tetrachloride	5.14	117	34960	16.793	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	43614	16.190	ug/l	99
40) Benzene	5.39	78	117211	17.460	ug/l	99
41) Methacrylonitrile	4.55	41	28874	17.152	ug/l	96
42) 1,2-Dichloroethane	5.41	62	44245	17.756	ug/l	99
43) Isopropyl Acetate	5.55	43	81706	17.663	ug/l	99
44) Trichloroethene	6.19	130	25942	17.331	ug/l	97
45) 1,2-Dichloropropane	6.43	63	34227	17.677	ug/l	96
46) Dibromomethane	6.56	93	19706	18.020	ug/l	97
47) Bromodichloromethane	6.76	83	39499	17.407	ug/l	99
48) Methyl methacrylate	6.63	41	40046	17.408	ug/l	99
49) 1,4-Dioxane	6.62	88	15070	380.750	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	264552	88.010	ug/l	100
52) Toluene	7.64	92	69270	17.434	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	45921	17.260	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	49650	17.359	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	27819	17.659	ug/l	98
56) Ethyl methacrylate	8.02	69	45470	16.659	ug/l	97
57) 1,3-Dichloropropane	8.24	76	53114	17.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	144986	92.862	ug/l	99
59) 2-Hexanone	8.36	43	205149	87.980	ug/l	100
60) Dibromochloromethane	8.48	129	27925	17.674	ug/l	99
61) 1,2-Dibromoethane	8.59	107	29059	17.349	ug/l	100
64) Tetrachloroethene	8.23	164	22197	18.086	ug/l	98
65) Chlorobenzene	9.12	112	75067	18.089	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	25263	17.634	ug/l	99
67) Ethyl Benzene	9.25	91	129263	17.581	ug/l	100
68) m/p-Xylenes	9.38	106	96685	35.950	ug/l	99
69) o-Xylene	9.78	106	45787	17.915	ug/l	98
70) Styrene	9.79	104	76369	17.549	ug/l	99
71) Bromoform	9.96	173	19841	17.214	ug/l #	99
73) Isopropylbenzene	10.17	105	124451	17.012	ug/l	99
74) N-amyl acetate	10.02	43	68204	16.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	48601	16.919	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	44582m	17.074	ug/l	
77) Bromobenzene	10.45	156	29582	17.399	ug/l	97
78) n-propylbenzene	10.59	91	153953	17.513	ug/l	100
79) 2-Chlorotoluene	10.66	91	90363	17.025	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	104062	17.472	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	16346m	16.384	ug/l	
82) 4-Chlorotoluene	10.77	91	105711	17.551	ug/l	98
83) tert-Butylbenzene	11.10	119	96122	16.694	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	106800	17.554	ug/l	100
85) sec-Butylbenzene	11.32	105	125694	17.326	ug/l	99
86) p-Isopropyltoluene	11.48	119	109498	17.628	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	56565	17.570	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	59086	17.961	ug/l	97
89) n-Butylbenzene	11.89	91	106680	17.503	ug/l	100
90) Hexachloroethane	12.15	117	18624	15.907	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	55456	17.697	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10420	16.368	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	39057	19.262	ug/l	99
94) Hexachlorobutadiene	13.69	225	17939	17.511	ug/l	98
95) Naphthalene	13.74	128	122807	17.251	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	39827	18.853	ug/l	99

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

