

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110618\
 Data File : VU027980.D
 Acq On : 06 Nov 2018 12:31
 Operator : MD/SY
 Sample : VU1106WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1106WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 5:42:39 PM

Quant Time: Nov 06 12:59:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	348838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	317887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	151724	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	147056	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	4.89	113	109455	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	7.57	98	424277	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	10.31	95	152866	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	40032	15.558	ug/l	100
3) Chloromethane	1.33	50	53685	17.252	ug/l	97
4) Vinyl Chloride	1.40	62	54362	17.601	ug/l	99
5) Bromomethane	1.63	94	25575	22.466	ug/l	99
6) Chloroethane	1.70	64	32948	18.512	ug/l	99
7) Trichlorofluoromethane	1.89	101	65498	18.352	ug/l	99
8) Diethyl Ether	2.11	74	29100	19.043	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	38876	18.337	ug/l	98
10) Methyl Iodide	2.41	142	30810	21.127	ug/l	98
11) Tert butyl alcohol	2.83	59	69274	86.920	ug/l	100
12) 1,1-Dichloroethene	2.29	96	37529	17.684	ug/l	99
13) Acrolein	2.20	56	34486	113.936	ug/l	99
14) Allyl chloride	2.59	41	90488	17.446	ug/l	97
15) Acrylonitrile	2.94	53	182603	93.273	ug/l	99
16) Acetone	2.32	43	165586	88.651	ug/l	100
17) Carbon Disulfide	2.48	76	114923	16.567	ug/l	99
18) Methyl Acetate	2.62	43	93941	18.283	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	164944	19.273	ug/l	98
20) Methylene Chloride	2.70	84	50462	18.503	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	43367	17.707	ug/l	96
22) Diisopropyl ether	3.58	45	201574	18.824	ug/l	95
23) Vinyl Acetate	3.53	43	870561	94.595	ug/l	99
24) 1,1-Dichloroethane	3.45	63	98537	18.474	ug/l	100
25) 2-Butanone	4.26	43	270762	91.117	ug/l	98
26) 2,2-Dichloropropane	4.23	77	72648	18.150	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	52627	19.162	ug/l	99
28) Bromochloromethane	4.55	49	50888	20.351	ug/l	99
29) Tetrahydrofuran	4.64	42	176284	88.842	ug/l	99
30) Chloroform	4.68	83	88863	18.170	ug/l	94
31) Cyclohexane	5.00	56	97283	17.487	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	73416	18.858	ug/l	99
36) 1,1-Dichloropropene	5.14	75	66780	18.278	ug/l	99
37) Ethyl Acetate	4.39	43	95750	17.886	ug/l	98
38) Carbon Tetrachloride	5.14	117	57503	17.760	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	81931	18.593	ug/l	98
40) Benzene	5.39	78	210013	18.801	ug/l	97
41) Methacrylonitrile	4.55	41	55670	19.487	ug/l	98
42) 1,2-Dichloroethane	5.41	62	74178	18.682	ug/l	99
43) Isopropyl Acetate	5.55	43	154724	18.448	ug/l	99
44) Trichloroethene	6.19	130	45759	19.058	ug/l	94
45) 1,2-Dichloropropane	6.43	63	61442	19.073	ug/l	99
46) Dibromomethane	6.56	93	35509	19.177	ug/l	96
47) Bromodichloromethane	6.76	83	68019	19.061	ug/l	97
48) Methyl methacrylate	6.62	41	76090	18.514	ug/l	97
49) 1,4-Dioxane	6.61	88	24527	365.782	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	518141	92.508	ug/l	100
52) Toluene	7.64	92	121832	18.553	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	76474	18.013	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	86765	19.724	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	49358	18.474	ug/l	97
56) Ethyl methacrylate	8.02	69	90912	19.296	ug/l	99
57) 1,3-Dichloropropane	8.24	76	92469	19.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	238003	94.320	ug/l	99
59) 2-Hexanone	8.36	43	397262	91.704	ug/l	100
60) Dibromochloromethane	8.48	129	48484	19.178	ug/l	100
61) 1,2-Dibromoethane	8.59	107	53264	18.762	ug/l	97
64) Tetrachloroethene	8.23	164	38522	18.689	ug/l	99
65) Chlorobenzene	9.12	112	126143	18.782	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	44549	19.420	ug/l	100
67) Ethyl Benzene	9.25	91	237128	19.182	ug/l	99
68) m/p-Xylenes	9.38	106	174927	38.998	ug/l	99
69) o-Xylene	9.78	106	85709	18.923	ug/l	99
70) Styrene	9.79	104	138818	19.181	ug/l	100
71) Bromoform	9.96	173	36008	18.729	ug/l #	100
73) Isopropylbenzene	10.17	105	228842	19.469	ug/l	100
74) N-amyl acetate	10.02	43	137594	19.359	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	93128	19.642	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	90292m	21.757	ug/l	
77) Bromobenzene	10.45	156	53723	19.933	ug/l	98
78) n-propylbenzene	10.59	91	273952	19.472	ug/l	100
79) 2-Chlorotoluene	10.66	91	162663	19.288	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	191554	19.673	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	33552m	20.343	ug/l	
82) 4-Chlorotoluene	10.77	91	181210	18.927	ug/l	98
83) tert-Butylbenzene	11.10	119	185476	19.054	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	190390	19.418	ug/l	99
85) sec-Butylbenzene	11.32	105	235628	19.904	ug/l	99
86) p-Isopropyltoluene	11.48	119	194903	19.694	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	94554	18.992	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	96619	18.934	ug/l	99
89) n-Butylbenzene	11.89	91	180515	19.193	ug/l	99
90) Hexachloroethane	12.14	117	33548	19.041	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	96566	19.287	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19134	19.153	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	62990	18.378	ug/l	98
94) Hexachlorobutadiene	13.69	225	30828	19.373	ug/l	97
95) Naphthalene	13.74	128	231351	18.475	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	65567	19.516	ug/l	99

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

