

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025344.D
 Acq On : 12 Jul 2018 17:07
 Operator : MD/SY
 Sample : VU0712WBSD02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0712WBSD02

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:17 AM

Quant Time: Jul 13 01:57:27 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	165846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	249282	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	231315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	133758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	125256	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	4.89	113	103096	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	7.57	98	332987	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
62) 4-Bromofluorobenzene	10.31	95	135138	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	31567	18.392	ug/l 98
3) Chloromethane	1.33	50	31433	18.737	ug/l 99
4) Vinyl Chloride	1.40	62	34536	18.311	ug/l 99
5) Bromomethane	1.62	94	22554	20.245	ug/l 94
6) Chloroethane	1.70	64	24525	20.619	ug/l 99
7) Trichlorofluoromethane	1.89	101	58851	19.854	ug/l 100
8) Diethyl Ether	2.10	74	22910	20.596	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	36702	19.980	ug/l 99
10) Methyl Iodide	2.41	142	34606	21.943	ug/l 98
11) Tert butyl alcohol	2.82	59	59104	105.150	ug/l 99
12) 1,1-Dichloroethene	2.28	96	32328	19.230	ug/l 98
13) Acrolein	2.19	56	17345	46.644	ug/l 95
14) Allyl chloride	2.59	41	57564	18.881	ug/l 98
15) Acrylonitrile	2.94	53	117576	101.741	ug/l 99
16) Acetone	2.32	43	133830	104.672	ug/l 99
17) Carbon Disulfide	2.48	76	77412	17.080	ug/l 99
18) Methyl Acetate	2.62	43	60910	23.089	ug/l 98
19) Methyl tert-butyl Ether	3.00	73	135998	21.268	ug/l 97
20) Methylene Chloride	2.70	84	40441	20.699	ug/l 98
21) trans-1,2-Dichloroethene	2.99	96	35638	18.551	ug/l 97
22) Diisopropyl ether	3.57	45	130126	20.899	ug/l 96
23) Vinyl Acetate	3.53	43	555725	101.744	ug/l 99
24) 1,1-Dichloroethane	3.45	63	73058	20.805	ug/l 99
25) 2-Butanone	4.26	43	180335	100.976	ug/l 99
26) 2,2-Dichloropropane	4.23	77	69140	20.478	ug/l 97
27) cis-1,2-Dichloroethene	4.23	96	43589	19.610	ug/l 96
28) Bromochloromethane	4.55	49	33877	19.979	ug/l 100
29) Tetrahydrofuran	4.64	42	108401	101.195	ug/l 99
30) Chloroform	4.68	83	78279	21.050	ug/l 98
31) Cyclohexane	5.00	56	62844	19.767	ug/l 95
32) 1,1,1-Trichloroethane	4.92	97	70638	20.960	ug/l 99
36) 1,1-Dichloropropene	5.14	75	52725	19.025	ug/l 98
37) Ethyl Acetate	4.38	43	63862	20.663	ug/l 99
38) Carbon Tetrachloride	5.14	117	60157	20.167	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	62487	18.076	ug/l	98
40) Benzene	5.39	78	158901	19.896	ug/l	98
41) Methacrylonitrile	4.54	41	35442	20.683	ug/l	98
42) 1,2-Dichloroethane	5.41	62	65952	20.774	ug/l	100
43) Isopropyl Acetate	5.55	43	101631	20.534	ug/l	100
44) Trichloroethene	6.19	130	43235	18.853	ug/l	98
45) 1,2-Dichloropropane	6.44	63	43420	20.757	ug/l	99
46) Dibromomethane	6.56	93	30785	20.223	ug/l	99
47) Bromodichloromethane	6.76	83	57431	20.309	ug/l	98
48) Methyl methacrylate	6.63	41	51796	20.992	ug/l	99
49) 1,4-Dioxane	6.62	88	24094	405.820	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	329645	102.473	ug/l	100
52) Toluene	7.64	92	101070	19.891	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	59138	19.033	ug/l	95
54) cis-1,3-Dichloropropene	7.27	75	64209	19.417	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	43866	20.729	ug/l	98
56) Ethyl methacrylate	8.02	69	66107	20.001	ug/l	100
57) 1,3-Dichloropropane	8.25	76	71963	20.485	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	116997	79.778	ug/l	100
59) 2-Hexanone	8.36	43	263179	100.861	ug/l	99
60) Dibromochloromethane	8.48	129	45607	19.956	ug/l	98
61) 1,2-Dibromoethane	8.59	107	45859	20.253	ug/l	99
64) Tetrachloroethene	8.23	164	41323	19.598	ug/l	99
65) Chlorobenzene	9.12	112	116210	20.111	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	43542	21.065	ug/l	99
67) Ethyl Benzene	9.25	91	197976	20.096	ug/l	99
68) m/p-Xylenes	9.38	106	154605	40.593	ug/l	100
69) o-Xylene	9.78	106	77700	20.377	ug/l	97
70) Styrene	9.80	104	120992	19.976	ug/l	100
71) Bromoform	9.96	173	33943	20.020	ug/l #	99
73) Isopropylbenzene	10.17	105	206504	20.206	ug/l	99
74) N-amyl acetate	10.01	43	85935	21.290	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	69736	20.857	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	65808m	24.297	ug/l	
77) Bromobenzene	10.45	156	52563	20.104	ug/l	98
78) n-propylbenzene	10.59	91	227233	20.037	ug/l	99
79) 2-Chlorotoluene	10.66	91	142094	21.903	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	173676	20.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	19159m	17.979	ug/l	
82) 4-Chlorotoluene	10.78	91	160133	19.941	ug/l	99
83) tert-Butylbenzene	11.10	119	179014	20.600	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	176707	20.050	ug/l	99
85) sec-Butylbenzene	11.33	105	209511	20.476	ug/l	99
86) p-Isopropyltoluene	11.48	119	181562	20.040	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	92193	19.294	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	91821	20.576	ug/l	97
89) n-Butylbenzene	11.89	91	137282	18.433	ug/l	99
90) Hexachloroethane	12.15	117	28502	18.579	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	98363	20.383	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16270	20.063	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	54253	18.970	ug/l	98
94) Hexachlorobutadiene	13.70	225	32791	18.999	ug/l	98
95) Naphthalene	13.74	128	177492	19.614	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	58759	19.533	ug/l	98

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

