

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025357.D
 Acq On : 12 Jul 2018 22:23
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:19 AM

Quant Time: Jul 13 04:21:23 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	159914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	242385	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	231341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	142340	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	121730	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
35) Dibromofluoromethane	4.89	113	101011	49.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.80%	
50) Toluene-d8	7.57	98	326973	46.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	10.31	95	138834	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	72065	43.545	ug/l	100
3) Chloromethane	1.33	50	74164	45.034	ug/l	99
4) Vinyl Chloride	1.40	62	81608	44.873	ug/l	97
5) Bromomethane	1.62	94	48134	52.068	ug/l	100
6) Chloroethane	1.69	64	54742	47.348	ug/l	95
7) Trichlorofluoromethane	1.89	101	136289	47.684	ug/l	99
8) Diethyl Ether	2.10	74	53377	49.766	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	85518	48.283	ug/l	99
10) Methyl Iodide	2.41	142	99568	50.190	ug/l	99
11) Tert butyl alcohol	2.83	59	147092	271.393	ug/l	100
12) 1,1-Dichloroethene	2.28	96	76806	47.382	ug/l	95
13) Acrolein	2.19	56	43367	120.949	ug/l	96
14) Allyl chloride	2.59	41	134825	45.863	ug/l	99
15) Acrylonitrile	2.94	53	290867	261.031	ug/l	100
16) Acetone	2.32	43	276989	219.097	ug/l	99
17) Carbon Disulfide	2.48	76	182558	38.981	ug/l	99
18) Methyl Acetate	2.62	43	152997	60.147	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	319302	51.786	ug/l	100
20) Methylene Chloride	2.70	84	93382	48.604	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	83924	45.305	ug/l	97
22) Diisopropyl ether	3.57	45	306105	50.987	ug/l	99
23) Vinyl Acetate	3.53	43	1356394	257.546	ug/l	100
24) 1,1-Dichloroethane	3.45	63	172950	51.080	ug/l	99
25) 2-Butanone	4.26	43	431376	250.504	ug/l	99
26) 2,2-Dichloropropane	4.23	77	133329	40.954	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	104357	48.690	ug/l	100
28) Bromochloromethane	4.55	49	83638	51.155	ug/l	100
29) Tetrahydrofuran	4.63	42	269289	260.712	ug/l	99
30) Chloroform	4.68	83	186197	51.928	ug/l	97
31) Cyclohexane	5.00	56	147664	47.102	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	163980	50.462	ug/l	99
36) 1,1-Dichloropropene	5.14	75	126278	46.862	ug/l	98
37) Ethyl Acetate	4.38	43	154676	51.470	ug/l	100
38) Carbon Tetrachloride	5.14	117	144245	49.733	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	148806	44.272	ug/l	96
40) Benzene	5.39	78	370705	47.737	ug/l	99
41) Methacrylonitrile	4.54	41	87127	52.292	ug/l	98
42) 1,2-Dichloroethane	5.41	62	156202	50.603	ug/l	100
43) Isopropyl Acetate	5.55	43	248605	51.658	ug/l	100
44) Trichloroethene	6.19	130	104602	46.912	ug/l	100
45) 1,2-Dichloropropane	6.44	63	101910	50.105	ug/l	99
46) Dibromomethane	6.56	93	72914	49.260	ug/l	97
47) Bromodichloromethane	6.76	83	141086	51.310	ug/l	99
48) Methyl methacrylate	6.62	41	127365	53.088	ug/l	99
49) 1,4-Dioxane	6.62	88	62224	1077.873	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	823221	263.186	ug/l	100
52) Toluene	7.64	92	241687	48.920	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	149864	49.606	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	157572	49.006	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	104632	50.852	ug/l	99
56) Ethyl methacrylate	8.02	69	163927	51.009	ug/l	99
57) 1,3-Dichloropropane	8.25	76	174949	51.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	306516	213.876	ug/l	99
59) 2-Hexanone	8.36	43	654060	257.794	ug/l	99
60) Dibromochloromethane	8.48	129	114489	51.522	ug/l	98
61) 1,2-Dibromoethane	8.59	107	115046	52.255	ug/l	98
64) Tetrachloroethene	8.23	164	95844	45.450	ug/l	99
65) Chlorobenzene	9.12	112	281222	48.662	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	108812	52.636	ug/l	99
67) Ethyl Benzene	9.25	91	480863	48.806	ug/l	100
68) m/p-Xylenes	9.38	106	375830	98.667	ug/l	100
69) o-Xylene	9.78	106	186528	48.912	ug/l	95
70) Styrene	9.80	104	308559	50.938	ug/l	99
71) Bromoform	9.96	173	90032	45.503	ug/l #	97
73) Isopropylbenzene	10.17	105	507496	46.664	ug/l	100
74) N-amyl acetate	10.01	43	226943	50.957	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	178565	50.186	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	161882m	54.981	ug/l	
77) Bromobenzene	10.45	156	132602	47.659	ug/l	98
78) n-propylbenzene	10.59	91	574893	47.637	ug/l	100
79) 2-Chlorotoluene	10.66	91	354073	51.094	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	439293	48.004	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	52921m	46.668	ug/l	
82) 4-Chlorotoluene	10.78	91	397371	46.501	ug/l	99
83) tert-Butylbenzene	11.10	119	447738	48.417	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	442925	47.226	ug/l	98
85) sec-Butylbenzene	11.33	105	522919	48.025	ug/l	100
86) p-Isopropyltoluene	11.48	119	463868	48.113	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	238633	46.930	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	241080	48.583	ug/l	98
89) n-Butylbenzene	11.89	91	376279	47.477	ug/l	99
90) Hexachloroethane	12.15	117	77754	47.629	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	251484	48.971	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	45837	53.115	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	156964	45.932	ug/l	99
94) Hexachlorobutadiene	13.70	225	84407	45.957	ug/l	98
95) Naphthalene	13.74	128	520545	49.817	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	166671	47.852	ug/l	100

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

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