

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041321\
 Data File : VU043081.D
 Acq On : 14 Apr 2021 03:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/14/2021 9:54:55 AM

Quant Time: Apr 14 05:12:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U041221W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 12 13:17:29 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	134869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	216352	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	203853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	110744	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	106421	46.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.88%	
35) Dibromofluoromethane	5.298	113	74996	46.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.26%	
50) Toluene-d8	7.906	98	263919	45.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.76%	
62) 4-Bromofluorobenzene	10.639	95	104642	45.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.86%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	71978	51.73	ug/l	98
3) Chloromethane	1.523	50	77113	52.05	ug/l	97
4) Vinyl Chloride	1.607	62	77340	50.97	ug/l	100
5) Bromomethane	1.851	94	33470	40.48	ug/l	96
6) Chloroethane	1.928	64	52154	49.83	ug/l	96
7) Trichlorofluoromethane	2.137	101	127113	49.30	ug/l	99
8) Diethyl Ether	2.382	74	41851	50.69	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.584	101	63441	47.82	ug/l	98
10) Methyl Iodide	2.726	142	76888	43.98	ug/l	100
11) Tert butyl alcohol	3.202	59	149877m	256.49	ug/l	
12) 1,1-Dichloroethene	2.584	96	64108	50.77	ug/l	97
13) Acrolein	2.491	56	78460	216.84	ug/l	99
14) Allyl chloride	2.928	41	153668	50.16	ug/l	99
15) Acrylonitrile	3.321	53	321001	255.38	ug/l	99
16) Acetone	2.636	43	329424	246.88	ug/l	98
17) Carbon Disulfide	2.800	76	176823	45.53	ug/l	100
18) Methyl Acetate	2.954	43	149192	52.64	ug/l	97
19) Methyl tert-butyl Ether	3.369	73	272474	54.62	ug/l	100
20) Methylene Chloride	3.051	84	74077	46.00	ug/l	97
21) trans-1,2-Dichloroethene	3.359	96	73616	49.91	ug/l	96
22) Diisopropyl ether	4.002	45	310067	52.90	ug/l	93
23) Vinyl Acetate	3.964	43	1512962	266.75	ug/l	100
24) 1,1-Dichloroethane	3.877	63	150842	50.90	ug/l	99
25) 2-Butanone	4.710	43	528610	256.66	ug/l	98
26) 2,2-Dichloropropane	4.674	77	106733	41.06	ug/l	99
27) cis-1,2-Dichloroethene	4.674	96	88731	52.87	ug/l	98
28) Bromochloromethane	4.983	49	73930	48.92	ug/l	97
29) Tetrahydrofuran	5.060	42	333367	257.05	ug/l	98
30) Chloroform	5.096	83	159474	50.81	ug/l	98
31) Cyclohexane	5.395	56	135779	48.55	ug/l	99
32) 1,1,1-Trichloroethane	5.324	97	142570	51.38	ug/l	99
36) 1,1-Dichloropropene	5.533	75	112548	49.04	ug/l	99
37) Ethyl Acetate	4.809	43	193013	49.18	ug/l	97
38) Carbon Tetrachloride	5.533	117	120376	48.92	ug/l	98
39) Methylcyclohexane	6.771	83	120119	47.60	ug/l	99
40) Benzene	5.780	78	323876	49.38	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.980	41	103656	50.24	ug/l	97
42) 1,2-Dichloroethane	5.803	62	145345	49.96	ug/l	100
43) Isopropyl Acetate	5.919	43	285636	51.03	ug/l	98
44) Trichloroethene	6.549	130	81843	49.20	ug/l	97
45) 1,2-Dichloropropane	6.800	63	90385	49.47	ug/l	98
46) Dibromomethane	6.925	93	63888	49.44	ug/l	98
47) Bromodichloromethane	7.115	83	126773	49.70	ug/l	100
48) Methyl methacrylate	6.967	41	143303	51.00	ug/l	97
49) 1,4-Dioxane	6.993	88	59534	1057.45	ug/l #	100
51) 4-Methyl-2-Pentanone	7.800	43	987020	238.35	ug/l	99
52) Toluene	7.976	92	203778	50.12	ug/l	100
53) t-1,3-Dichloropropene	8.218	75	134461	47.47	ug/l	99
54) cis-1,3-Dichloropropene	7.613	75	137809	47.91	ug/l	94
55) 1,1,2-Trichloroethane	8.407	97	86145	49.39	ug/l	97
56) Ethyl methacrylate	8.340	69	145470	50.92	ug/l	96
57) 1,3-Dichloropropane	8.584	76	150040	49.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.472	63	291926	245.96	ug/l	99
59) 2-Hexanone	8.693	43	809966	237.54	ug/l	99
60) Dibromochloromethane	8.816	129	100601	49.87	ug/l	99
61) 1,2-Dibromoethane	8.931	107	98271	49.95	ug/l	99
64) Tetrachloroethene	8.562	164	71637	48.43	ug/l	97
65) Chlorobenzene	9.452	112	217397	49.73	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.542	131	85315	51.05	ug/l	99
67) Ethyl Benzene	9.578	91	400658	50.78	ug/l	100
68) m/p-Xylenes	9.700	106	294804	100.99	ug/l	99
69) o-Xylene	10.108	106	143532	50.38	ug/l	98
70) Styrene	10.121	104	244249	50.91	ug/l	100
71) Bromoform	10.298	173	82534	47.93	ug/l #	100
73) Isopropylbenzene	10.491	105	393702	52.97	ug/l	100
74) N-amyl acetate	10.327	43	254681	53.33	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.790	83	159285	49.22	ug/l	100
76) 1,2,3-Trichloropropane	10.832	75	164856m	50.94	ug/l	
77) Bromobenzene	10.790	156	105404	50.90	ug/l	99
78) n-propylbenzene	10.912	91	468651	52.66	ug/l	99
79) 2-Chlorotoluene	10.992	91	277954	51.40	ug/l	99
80) 1,3,5-Trimethylbenzene	11.095	105	346789	52.85	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.552	75	49991	45.39	ug/l	96
82) 4-Chlorotoluene	11.102	91	327132	50.35	ug/l	100
83) tert-Butylbenzene	11.426	119	335222	51.97	ug/l	99
84) 1,2,4-Trimethylbenzene	11.475	105	346399	51.38	ug/l	100
85) sec-Butylbenzene	11.652	105	386078	51.07	ug/l	99
86) p-Isopropyltoluene	11.799	119	358523	51.52	ug/l	99
87) 1,3-Dichlorobenzene	11.751	146	183977	49.01	ug/l	100
88) 1,4-Dichlorobenzene	11.844	146	186304	47.58	ug/l	99
89) n-Butylbenzene	12.214	91	320282	49.14	ug/l	99
90) Hexachloroethane	12.484	117	63882	48.97	ug/l	98
91) 1,2-Dichlorobenzene	12.221	146	186125	48.53	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	13.005	75	47978	52.36	ug/l	96
93) 1,2,4-Trichlorobenzene	13.848	180	127435	50.25	ug/l	99
94) Hexachlorobutadiene	14.028	225	59417	46.79	ug/l	100
95) Naphthalene	14.092	128	453432	56.24	ug/l	100
96) 1,2,3-Trichlorobenzene	14.336	180	128637	52.25	ug/l	99

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

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