

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050621\
 Data File : VU043597.D
 Acq On : 06 May 2021 20:36
 Operator : SY/MD
 Sample : M2251-03MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW8-GW-518-520MS

Manual Integrations
 APPROVED

MMDadoda
 5/7/2021 12:52:41 PM

Quant Time: May 07 02:08:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U050621W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 06 07:26:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.382	168	98344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	170629	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	161309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	81955	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	99090	49.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.54%	
35) Dibromofluoromethane	5.298	113	64172	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
50) Toluene-d8	7.906	98	234426	48.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	10.639	95	88727	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	61281	44.76	ug/l	97
3) Chloromethane	1.523	50	86885	51.26	ug/l	99
4) Vinyl Chloride	1.607	62	77692	49.77	ug/l	99
5) Bromomethane	1.838	94	39290	44.71	ug/l	97
6) Chloroethane	1.925	64	48083	48.03	ug/l	98
7) Trichlorofluoromethane	2.134	101	103354	48.88	ug/l	99
8) Diethyl Ether	2.382	74	39914	52.07	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.581	101	52577	44.88	ug/l	99
10) Methyl Iodide	2.726	142	63946	44.49	ug/l	98
11) Tert butyl alcohol	3.189	59	124394	232.89	ug/l	98
12) 1,1-Dichloroethene	2.581	96	59177	51.98	ug/l	97
13) Acrolein	2.488	56	56756	242.23	ug/l	97
14) Allyl chloride	2.928	41	151442	53.09	ug/l	99
15) Acrylonitrile	3.317	53	267539	275.96	ug/l	99
16) Acetone	2.629	43	295972	267.84	ug/l	100
17) Carbon Disulfide	2.797	76	176228	48.81	ug/l	98
18) Methyl Acetate	2.951	43	129322	51.19	ug/l	99
19) Methyl tert-butyl Ether	3.369	73	218958	55.92	ug/l	98
20) Methylene Chloride	3.051	84	75325	48.44	ug/l	99
21) trans-1,2-Dichloroethene	3.359	96	65107	52.60	ug/l	93
22) Diisopropyl ether	4.002	45	272207	55.63	ug/l	89
23) Vinyl Acetate	3.964	43	1297296	231.97	ug/l	100
24) 1,1-Dichloroethane	3.877	63	144441	51.06	ug/l	99
25) 2-Butanone	4.706	43	474866	278.73	ug/l	99
26) 2,2-Dichloropropane	4.674	77	96098	50.41	ug/l	98
27) cis-1,2-Dichloroethene	4.674	96	77632	54.36	ug/l	99
28) Bromochloromethane	4.983	49	72343	50.97	ug/l #	99
29) Tetrahydrofuran	5.057	42	275756	285.03	ug/l	99
30) Chloroform	5.095	83	144157	52.72	ug/l	100
31) Cyclohexane	5.394	56	102826	43.27	ug/l	98
32) 1,1,1-Trichloroethane	5.324	97	117237	50.31	ug/l	98
36) 1,1-Dichloropropene	5.533	75	97968	50.57	ug/l	99
37) Ethyl Acetate	4.809	43	162465	49.52	ug/l	100
38) Carbon Tetrachloride	5.533	117	97185	49.50	ug/l	98
39) Methylcyclohexane	6.771	83	81715	43.66	ug/l	98
40) Benzene	5.780	78	300073	51.68	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.980	41	95252	50.14	ug/l	99
42) 1,2-Dichloroethane	5.803	62	129438	50.76	ug/l	99
43) Isopropyl Acetate	5.919	43	247164	51.37	ug/l	100
44) Trichloroethene	6.549	130	69564	51.01	ug/l	100
45) 1,2-Dichloropropane	6.800	63	86898	50.78	ug/l	98
46) Dibromomethane	6.925	93	57722	53.51	ug/l	99
47) Bromodichloromethane	7.115	83	113380	51.91	ug/l	98
48) Methyl methacrylate	6.967	41	128920	53.32	ug/l	99
49) 1,4-Dioxane	6.970	88	42072	945.42	ug/l	100
51) 4-Methyl-2-Pentanone	7.800	43	926677	236.35	ug/l	100
52) Toluene	7.976	92	179026	53.34	ug/l	100
53) t-1,3-Dichloropropene	8.218	75	118916	47.47	ug/l	100
54) cis-1,3-Dichloropropene	7.613	75	120982	50.67	ug/l	98
55) 1,1,2-Trichloroethane	8.407	97	77274	52.82	ug/l	98
56) Ethyl methacrylate	8.340	69	128484	46.82	ug/l	100
57) 1,3-Dichloropropane	8.584	76	135726	52.16	ug/l	100
59) 2-Hexanone	8.690	43	745905	233.75	ug/l	100
60) Dibromochloromethane	8.819	129	82315	52.89	ug/l	100
61) 1,2-Dibromoethane	8.931	107	83606	52.90	ug/l	99
64) Tetrachloroethene	8.558	164	61837	49.64	ug/l	97
65) Chlorobenzene	9.452	112	182428	51.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.542	131	70138	51.22	ug/l	98
67) Ethyl Benzene	9.578	91	339620	47.78	ug/l	98
68) m/p-Xylenes	9.700	106	249121	95.85	ug/l	99
69) o-Xylene	10.108	106	121596	47.89	ug/l	100
70) Styrene	10.121	104	204267	45.63	ug/l	99
71) Bromoform	10.298	173	67325	47.48	ug/l #	99
73) Isopropylbenzene	10.491	105	319815	54.44	ug/l	99
74) N-amyl acetate	10.327	43	202885	46.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.790	83	146694	52.94	ug/l	99
76) 1,2,3-Trichloropropane	10.832	75	143480m	55.06	ug/l	
77) Bromobenzene	10.790	156	82971	54.87	ug/l	99
78) n-propylbenzene	10.912	91	387921	54.01	ug/l	100
79) 2-Chlorotoluene	10.992	91	237105	53.25	ug/l	100
80) 1,3,5-Trimethylbenzene	11.095	105	279548	50.47	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.552	75	41638	52.04	ug/l	94
82) 4-Chlorotoluene	11.102	91	277571	54.56	ug/l	99
83) tert-Butylbenzene	11.426	119	260213	53.27	ug/l	99
84) 1,2,4-Trimethylbenzene	11.475	105	285217	50.87	ug/l	100
85) sec-Butylbenzene	11.651	105	314561	47.26	ug/l	99
86) p-Isopropyltoluene	11.799	119	272758	47.63	ug/l	99
87) 1,3-Dichlorobenzene	11.751	146	147544	51.58	ug/l	99
88) 1,4-Dichlorobenzene	11.844	146	148107	49.92	ug/l	100
89) n-Butylbenzene	12.214	91	248178	44.29	ug/l	99
90) Hexachloroethane	12.484	117	41862	50.93	ug/l	99
91) 1,2-Dichlorobenzene	12.221	146	151639	51.33	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	13.002	75	37222	54.50	ug/l	100
93) 1,2,4-Trichlorobenzene	13.848	180	91423	47.61	ug/l	99
94) Hexachlorobutadiene	14.031	225	38933	42.59	ug/l	97
95) Naphthalene	14.095	128	351232	50.50	ug/l	100
96) 1,2,3-Trichlorobenzene	14.336	180	96371	50.32	ug/l	99

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

