

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040921\
 Data File : VU042991.D
 Acq On : 08 Apr 2021 17:37
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/9/2021 1:47:07 PM

Quant Time: Apr 09 06:23:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U040921W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 09 06:22:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.382	168	99325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	156869	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	145383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	78352	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	9185	5.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.52%	
35) Dibromofluoromethane	5.295	113	6669	5.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.44%	
50) Toluene-d8	7.906	98	22209	5.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.82%	
62) 4-Bromofluorobenzene	10.639	95	7625	4.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.42%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4719	4.18	ug/l	94
3) Chloromethane	1.523	50	6806	5.42	ug/l	94
4) Vinyl Chloride	1.607	62	5289	4.63	ug/l #	25
5) Bromomethane	1.839	94	4259	5.50	ug/l	98
6) Chloroethane	1.925	64	5012	5.77	ug/l	90
7) Trichlorofluoromethane	2.138	101	9656	4.86	ug/l	96
8) Diethyl Ether	2.379	74	3207	5.11	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.584	101	4969	5.17	ug/l	96
10) Methyl Iodide	2.726	142	6058	4.67	ug/l	93
11) Tert butyl alcohol	3.189	59	10638	29.62	ug/l #	79
12) 1,1-Dichloroethene	2.581	96	4905	5.42	ug/l	94
13) Acrolein	2.488	56	4137	24.35	ug/l	99
14) Allyl chloride	2.929	41	10749	5.34	ug/l	99
15) Acrylonitrile	3.318	53	22402	27.91	ug/l	98
16) Acetone	2.626	43	23490	25.71	ug/l	97
17) Carbon Disulfide	2.797	76	13612	5.32	ug/l	99
18) Methyl Acetate	2.954	43	10041	5.38	ug/l	99
19) Methyl tert-butyl Ether	3.369	73	18516	5.34	ug/l	98
20) Methylene Chloride	3.054	84	5967	5.19	ug/l	97
21) trans-1,2-Dichloroethene	3.356	96	5485	5.37	ug/l	93
22) Diisopropyl ether	3.999	45	21212	5.28	ug/l	98
23) Vinyl Acetate	3.961	43	97604	25.88	ug/l	100
24) 1,1-Dichloroethane	3.874	63	10491	5.01	ug/l #	94
25) 2-Butanone	4.707	43	36472	27.35	ug/l	97
26) 2,2-Dichloropropane	4.674	77	9470	5.16	ug/l	96
27) cis-1,2-Dichloroethene	4.674	96	5954	5.09	ug/l	93
28) Bromochloromethane	4.980	49	6091	5.91	ug/l	92
29) Tetrahydrofuran	5.054	42	23101	27.88	ug/l	98
30) Chloroform	5.096	83	11406	5.17	ug/l	97
31) Cyclohexane	5.398	56	10677m	5.40	ug/l	
32) 1,1,1-Trichloroethane	5.321	97	9596	4.90	ug/l	98
36) 1,1-Dichloropropene	5.533	75	7798	5.00	ug/l	96
37) Ethyl Acetate	4.809	43	12500	5.06	ug/l	97
38) Carbon Tetrachloride	5.533	117	8518	4.81	ug/l	97
39) Methylcyclohexane	6.768	83	8559	4.84	ug/l	95
40) Benzene	5.781	78	22614	4.85	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.980	41	6934	5.34	ug/l #	83
42) 1,2-Dichloroethane	5.803	62	10399	5.18	ug/l	98
43) Isopropyl Acetate	5.919	43	19004	5.14	ug/l	96
44) Trichloroethene	6.552	130	5648	4.75	ug/l	83
45) 1,2-Dichloropropane	6.800	63	6252	5.03	ug/l	99
46) Dibromomethane	6.925	93	4515	5.09	ug/l	98
47) Bromodichloromethane	7.112	83	8732	4.87	ug/l	100
48) Methyl methacrylate	6.967	41	9737	5.43	ug/l	96
49) 1,4-Dioxane	6.980	88	3374	95.69	ug/l	92
51) 4-Methyl-2-Pentanone	7.797	43	67937	25.78	ug/l	99
52) Toluene	7.977	92	13903	4.88	ug/l	98
53) t-1,3-Dichloropropene	8.214	75	8547	4.47	ug/l	100
54) cis-1,3-Dichloropropene	7.613	75	9162	4.58	ug/l	93
55) 1,1,2-Trichloroethane	8.407	97	5964	4.85	ug/l	97
56) Ethyl methacrylate	8.340	69	8807	4.60	ug/l	97
57) 1,3-Dichloropropane	8.581	76	10301	4.85	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.472	63	17178	33.81	ug/l	99
59) 2-Hexanone	8.690	43	56075	26.52	ug/l	97
60) Dibromochloromethane	8.816	129	6270	4.38	ug/l	98
61) 1,2-Dibromoethane	8.931	107	6641	4.72	ug/l	98
64) Tetrachloroethene	8.559	164	5227	4.62	ug/l	94
65) Chlorobenzene	9.452	112	15209	5.12	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.542	131	5652	4.78	ug/l	92
67) Ethyl Benzene	9.575	91	27074	5.07	ug/l	100
68) m/p-Xylenes	9.700	106	19665	10.03	ug/l	98
69) o-Xylene	10.108	106	9246	4.86	ug/l	97
70) Styrene	10.121	104	15742	4.89	ug/l	97
71) Bromoform	10.298	173	5350	4.73	ug/l #	97
73) Isopropylbenzene	10.491	105	26328	5.30	ug/l	97
74) N-amyl acetate	10.327	43	14864	5.21	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.790	83	11717	5.62	ug/l	98
76) 1,2,3-Trichloropropane	10.832	75	11552m	5.60	ug/l	
77) Bromobenzene	10.790	156	6840	4.98	ug/l	96
78) n-propylbenzene	10.912	91	29993	5.10	ug/l	100
79) 2-Chlorotoluene	10.993	91	18512	5.21	ug/l	96
80) 1,3,5-Trimethylbenzene	11.095	105	22644	5.22	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.552	75	2951	4.28	ug/l #	82
82) 4-Chlorotoluene	11.102	91	22570	5.31	ug/l	100
83) tert-Butylbenzene	11.427	119	22592	5.31	ug/l	99
84) 1,2,4-Trimethylbenzene	11.475	105	23089	5.28	ug/l	98
85) sec-Butylbenzene	11.648	105	26160	5.33	ug/l	97
86) p-Isopropyltoluene	11.800	119	23624	5.26	ug/l	98
87) 1,3-Dichlorobenzene	11.751	146	13071	5.27	ug/l	98
88) 1,4-Dichlorobenzene	11.845	146	13415	5.28	ug/l	94
89) n-Butylbenzene	12.214	91	21519	5.07	ug/l	95
90) Hexachloroethane	12.484	117	4650	5.44	ug/l	99
91) 1,2-Dichlorobenzene	12.221	146	13719	5.45	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	13.005	75	2927	5.31	ug/l	95
93) 1,2,4-Trichlorobenzene	13.848	180	7280	4.60	ug/l	99
94) Hexachlorobutadiene	14.031	225	4827	5.27	ug/l	96
95) Naphthalene	14.095	128	18903	4.21	ug/l	97
96) 1,2,3-Trichlorobenzene	14.340	180	7091	4.44	ug/l	99

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

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