

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021721\
 Data File : VU042323.D
 Acq On : 17 Feb 2021 12:19
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/19/2021 2:40:45 PM

Quant Time: Feb 18 03:21:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 18 03:20:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.385	168	139510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.259	114	210989	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.426	117	198703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.822	152	107289	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	40772	19.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.26%	
35) Dibromofluoromethane	5.298	113	27772	14.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	29.56%	
50) Toluene-d8	7.906	98	101698	14.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	29.44%	
62) 4-Bromofluorobenzene	10.642	95	38774	14.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	28.70%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	35262	23.05	ug/l	100
3) Chloromethane	1.523	50	33863	18.60	ug/l	100
4) Vinyl Chloride	1.607	62	33783	18.52	ug/l	98
5) Bromomethane	1.864	94	20449	20.16	ug/l	95
6) Chloroethane	1.938	64	20584	17.55	ug/l	98
7) Trichlorofluoromethane	2.144	101	52224	20.95	ug/l	96
8) Diethyl Ether	2.382	74	16099	15.47	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.588	101	26346	16.55	ug/l	98
10) Methyl Iodide	2.732	142	36242	25.11	ug/l	100
11) Tert butyl alcohol	3.250	59	41286	91.72	ug/l #	89
12) 1,1-Dichloroethene	2.588	96	24894	16.59	ug/l	97
13) Acrolein	2.498	56	23869	67.32	ug/l	98
14) Allyl chloride	2.932	41	56198	19.11	ug/l	97
15) Acrylonitrile	3.330	53	107500	97.14	ug/l	99
16) Acetone	2.649	43	139516	123.33	ug/l	99
17) Carbon Disulfide	2.800	76	76320	21.55	ug/l	98
18) Methyl Acetate	2.961	43	48242	18.21	ug/l	97
19) Methyl tert-butyl Ether	3.372	73	97302	17.84	ug/l	98
20) Methylene Chloride	3.057	84	30013	15.55	ug/l	99
21) trans-1,2-Dichloroethene	3.362	96	28681	18.06	ug/l	96
22) Diisopropyl ether	4.005	45	108852	19.27	ug/l	99
23) Vinyl Acetate	3.967	43	513525	108.76	ug/l	99
24) 1,1-Dichloroethane	3.880	63	56066	16.83	ug/l	99
25) 2-Butanone	4.719	43	179568	119.40	ug/l	98
26) 2,2-Dichloropropane	4.677	77	52098	19.10	ug/l	100
27) cis-1,2-Dichloroethene	4.677	96	32478	16.95	ug/l	98
28) Bromochloromethane	4.983	49	28825	18.68	ug/l	99
29) Tetrahydrofuran	5.070	42	107943	117.70	ug/l	99
30) Chloroform	5.102	83	58226	17.14	ug/l	97
31) Cyclohexane	5.398	56	54884	21.58	ug/l	95
32) 1,1,1-Trichloroethane	5.327	97	51828	18.74	ug/l	98
36) 1,1-Dichloropropene	5.536	75	42713	18.77	ug/l	99
37) Ethyl Acetate	4.816	43	62064	22.31	ug/l	99
38) Carbon Tetrachloride	5.533	117	45765	18.77	ug/l	99
39) Methylcyclohexane	6.771	83	51211	20.91	ug/l	99
40) Benzene	5.784	78	120873	16.82	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.983	41	33659	22.90	ug/l	98
42) 1,2-Dichloroethane	5.806	62	51928	20.11	ug/l	100
43) Isopropyl Acetate	5.922	43	95456	22.18	ug/l	99
44) Trichloroethene	6.552	130	31751	16.00	ug/l	97
45) 1,2-Dichloropropane	6.800	63	33700	16.18	ug/l	95
46) Dibromomethane	6.928	93	23183	17.42	ug/l	97
47) Bromodichloromethane	7.115	83	45763	16.78	ug/l	99
48) Methyl methacrylate	6.970	41	48229	23.33	ug/l	99
49) 1,4-Dioxane	7.018	88	19840	445.84	ug/l #	59
51) 4-Methyl-2-Pentanone	7.803	43	320861	108.09	ug/l	99
52) Toluene	7.980	92	75751	16.89	ug/l	100
53) t-1,3-Dichloropropene	8.221	75	50364	17.74	ug/l	100
54) cis-1,3-Dichloropropene	7.616	75	52730	17.06	ug/l	98
55) 1,1,2-Trichloroethane	8.410	97	31696	15.70	ug/l	96
56) Ethyl methacrylate	8.343	69	51560	18.59	ug/l	98
57) 1,3-Dichloropropane	8.584	76	53563	16.14	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.475	63	82464	90.39	ug/l	99
59) 2-Hexanone	8.697	43	265549	118.25	ug/l	100
60) Dibromochloromethane	8.819	129	35711	16.30	ug/l	98
61) 1,2-Dibromoethane	8.935	107	34582	17.20	ug/l	98
64) Tetrachloroethene	8.562	164	31222	18.36	ug/l	97
65) Chlorobenzene	9.455	112	81077	16.55	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.545	131	31363	16.62	ug/l	98
67) Ethyl Benzene	9.578	91	149358	18.44	ug/l	99
68) m/p-Xylenes	9.703	106	109439	36.19	ug/l	100
69) o-Xylene	10.108	106	52954	17.91	ug/l	98
70) Styrene	10.124	104	88324	17.20	ug/l	99
71) Bromoform	10.301	173	29001	17.47	ug/l #	99
73) Isopropylbenzene	10.494	105	145668	20.79	ug/l	99
74) N-amyl acetate	10.330	43	82020	27.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.793	83	54429	19.11	ug/l	99
76) 1,2,3-Trichloropropane	10.835	75	54038m	22.37	ug/l	
77) Bromobenzene	10.793	156	37795	19.34	ug/l	98
78) n-propylbenzene	10.915	91	170290	21.01	ug/l	99
79) 2-Chlorotoluene	10.996	91	100827	20.36	ug/l	98
80) 1,3,5-Trimethylbenzene	11.095	105	125522	21.41	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.555	75	18194	24.19	ug/l	94
82) 4-Chlorotoluene	11.105	91	120786	21.19	ug/l	99
83) tert-Butylbenzene	11.430	119	121683	20.68	ug/l	99
84) 1,2,4-Trimethylbenzene	11.475	105	126205	21.40	ug/l	98
85) sec-Butylbenzene	11.651	105	145020	21.00	ug/l	100
86) p-Isopropyltoluene	11.803	119	132695	20.82	ug/l	99
87) 1,3-Dichlorobenzene	11.754	146	67601	19.04	ug/l	99
88) 1,4-Dichlorobenzene	11.848	146	68111	18.42	ug/l	98
89) n-Butylbenzene	12.217	91	118733	21.44	ug/l	99
90) Hexachloroethane	12.484	117	23076	21.86	ug/l	99
91) 1,2-Dichlorobenzene	12.221	146	67559	19.27	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	13.005	75	15477	27.72	ug/l	95
93) 1,2,4-Trichlorobenzene	13.851	180	44727	21.72	ug/l	98
94) Hexachlorobutadiene	14.031	225	25288	20.54	ug/l	97
95) Naphthalene	14.095	128	126942	22.49	ug/l	100
96) 1,2,3-Trichlorobenzene	14.339	180	43886	20.52	ug/l	97

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

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