

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021721\
 Data File : VU042322.D
 Acq On : 17 Feb 2021 11:36
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/19/2021 2:40:41 PM

Quant Time: Feb 18 03:21:20 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	5.382	168	134149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	207115	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	188180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	95258	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.713	65	10710	5.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.46%	
35) Dibromofluoromethane	5.298	113	7731	4.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	8.38%	
50) Toluene-d8	7.906	98	26066	3.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	7.68%	
62) 4-Bromofluorobenzene	10.639	95	9587	3.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	7.22%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	7156	4.86	ug/l	94
3) Chloromethane	1.523	50	8293	4.74	ug/l	92
4) Vinyl Chloride	1.607	62	8029	4.58	ug/l	94
5) Bromomethane	1.861	94	5379	5.51	ug/l	93
6) Chloroethane	1.938	64	4941	4.38	ug/l	94
7) Trichlorofluoromethane	2.141	101	13148	5.48	ug/l	93
8) Diethyl Ether	2.382	74	4237	4.24	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.588	101	6373	4.16	ug/l	100
10) Methyl Iodide	2.729	142	8333	6.00	ug/l	97
11) Tert butyl alcohol	3.256	59	11480m	26.52	ug/l	
12) 1,1-Dichloroethene	2.588	96	6352	4.40	ug/l	96
13) Acrolein	2.498	56	8516	24.98	ug/l	100
14) Allyl chloride	2.932	41	14535	5.14	ug/l	98
15) Acrylonitrile	3.330	53	27377	25.73	ug/l	98
16) Acetone	2.649	43	32437	29.82	ug/l	98
17) Carbon Disulfide	2.800	76	18896	5.55	ug/l	100
18) Methyl Acetate	2.961	43	12411	4.87	ug/l	95
19) Methyl tert-butyl Ether	3.375	73	24671	4.71	ug/l	99
20) Methylene Chloride	3.054	84	7787	4.20	ug/l	96
21) trans-1,2-Dichloroethene	3.362	96	7037	4.61	ug/l	93
22) Diisopropyl ether	4.005	45	27524	5.07	ug/l	98
23) Vinyl Acetate	3.967	43	126480	27.86	ug/l	100
24) 1,1-Dichloroethane	3.880	63	13895	4.34	ug/l	99
25) 2-Butanone	4.726	43	43916	30.37	ug/l	100
26) 2,2-Dichloropropane	4.674	77	13050	4.98	ug/l	95
27) cis-1,2-Dichloroethene	4.677	96	7878	4.28	ug/l	96
28) Bromochloromethane	4.983	49	7281	4.91	ug/l	94
29) Tetrahydrofuran	5.070	42	27885	31.62	ug/l	98
30) Chloroform	5.102	83	14461	4.43	ug/l	98
31) Cyclohexane	5.394	56	15751	6.44	ug/l #	91
32) 1,1,1-Trichloroethane	5.324	97	12705	4.78	ug/l	97
36) 1,1-Dichloropropene	5.533	75	9822	4.40	ug/l	99
37) Ethyl Acetate	4.819	43	16492	6.04	ug/l #	92
38) Carbon Tetrachloride	5.533	117	10754	4.49	ug/l	96
39) Methylcyclohexane	6.771	83	11904	4.95	ug/l	95
40) Benzene	5.784	78	29796	4.22	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.983	41	8326	5.77	ug/l #	96
42) 1,2-Dichloroethane	5.803	62	13445	5.30	ug/l	98
43) Isopropyl Acetate	5.925	43	24835	5.88	ug/l	97
44) Trichloroethene	6.552	130	7972	4.09	ug/l	93
45) 1,2-Dichloropropane	6.800	63	7926	3.88	ug/l	100
46) Dibromomethane	6.925	93	5782	4.43	ug/l	98
47) Bromodichloromethane	7.115	83	11072	4.13	ug/l	95
48) Methyl methacrylate	6.970	41	11995	5.91	ug/l	98
49) 1,4-Dioxane	7.028	88	4513	103.31	ug/l #	92
51) 4-Methyl-2-Pentanone	7.806	43	81212	27.87	ug/l	100
52) Toluene	7.976	92	17603	4.00	ug/l	96
53) t-1,3-Dichloropropene	8.218	75	11298	4.05	ug/l	95
54) cis-1,3-Dichloropropene	7.616	75	12556	4.14	ug/l	99
55) 1,1,2-Trichloroethane	8.407	97	7479	3.77	ug/l	95
56) Ethyl methacrylate	8.343	69	12324	4.53	ug/l	98
57) 1,3-Dichloropropane	8.584	76	13430	4.12	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.472	63	18206	20.33	ug/l	98
59) 2-Hexanone	8.700	43	64125	29.09	ug/l	100
60) Dibromochloromethane	8.816	129	8077	3.76	ug/l	96
61) 1,2-Dibromoethane	8.931	107	8329	4.22	ug/l	97
64) Tetrachloroethene	8.562	164	7495	4.65	ug/l	95
65) Chlorobenzene	9.455	112	19600	4.22	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.542	131	7503	4.20	ug/l	98
67) Ethyl Benzene	9.578	91	34772	4.53	ug/l	98
68) m/p-Xylenes	9.700	106	25270	8.82	ug/l	100
69) o-Xylene	10.108	106	12351	4.41	ug/l	96
70) Styrene	10.121	104	20779	4.27	ug/l	96
71) Bromoform	10.301	173	6436	4.09	ug/l #	94
73) Isopropylbenzene	10.491	105	33995	5.46	ug/l	98
74) N-amyl acetate	10.330	43	19368	7.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.790	83	13580	5.37	ug/l	99
76) 1,2,3-Trichloropropane	10.835	75	13433m	6.26	ug/l	
77) Bromobenzene	10.790	156	9274	5.34	ug/l	97
78) n-propylbenzene	10.912	91	38277	5.32	ug/l	99
79) 2-Chlorotoluene	10.992	91	24089	5.48	ug/l	100
80) 1,3,5-Trimethylbenzene	11.095	105	28342	5.45	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.555	75	4138	6.20	ug/l	95
82) 4-Chlorotoluene	11.105	91	26779	5.29	ug/l	99
83) tert-Butylbenzene	11.430	119	28092	5.38	ug/l	99
84) 1,2,4-Trimethylbenzene	11.475	105	28838	5.51	ug/l	97
85) sec-Butylbenzene	11.651	105	31669	5.16	ug/l	99
86) p-Isopropyltoluene	11.799	119	28724	5.08	ug/l	99
87) 1,3-Dichlorobenzene	11.751	146	15338	4.87	ug/l	99
88) 1,4-Dichlorobenzene	11.844	146	15472	4.71	ug/l	93
89) n-Butylbenzene	12.217	91	24364	4.96	ug/l	98
90) Hexachloroethane	12.484	117	4869	5.20	ug/l	96
91) 1,2-Dichlorobenzene	12.221	146	16216	5.21	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	13.002	75	3468	7.00	ug/l	88
93) 1,2,4-Trichlorobenzene	13.848	180	8199	4.48	ug/l	100
94) Hexachlorobutadiene	14.031	225	5408	4.95	ug/l	98
95) Naphthalene	14.095	128	22213	4.43	ug/l	98
96) 1,2,3-Trichlorobenzene	14.339	180	8404	4.43	ug/l	95

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

