

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011123\
 Data File : VU052650.D
 Acq On : 11 Jan 2023 14:34
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 01/13/2023
 Supervised By :Mahesh Dadoda 01/13/2023

Quant Time: Jan 12 03:19:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 12 03:18:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.369	168	225237	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.244	114	390451	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	363176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.806	152	184263	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	73883	21.385	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	42.760%#		
35) Dibromofluoromethane	5.282	113	54786	20.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.420%#		
50) Toluene-d8	7.893	98	210668	21.420	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	42.840%#		
62) 4-Bromofluorobenzene	10.629	95	73969	19.818	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.640%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.385	85	57955	16.739	ug/l	99
3) Chloromethane	1.520	50	79055	16.463	ug/l	100
4) Vinyl Chloride	1.604	62	70768	19.724	ug/l	100
5) Bromomethane	1.858	94	42637	32.387	ug/l	98
6) Chloroethane	1.935	64	43560	24.407	ug/l	96
7) Trichlorofluoromethane	2.138	101	89705	19.557	ug/l	99
8) Diethyl Ether	2.376	74	36575	21.445	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.578	101	54541	21.719	ug/l	91
10) Methyl Iodide	2.723	142	52739	22.221	ug/l	93
11) Tert butyl alcohol	3.253	59	76405m	96.114	ug/l	
12) 1,1-Dichloroethene	2.578	96	52232	21.135	ug/l	87
13) Acrolein	2.488	56	85432	142.716	ug/l	97
14) Allyl chloride	2.922	41	103981	20.876	ug/l #	87
15) Acrylonitrile	3.314	53	199576	102.940	ug/l	99
16) Acetone	2.642	43	183435	102.601	ug/l	98
17) Carbon Disulfide	2.794	76	165710	21.334	ug/l	100
18) Methyl Acetate	2.951	43	113708	23.421	ug/l	91
19) Methyl tert-butyl Ether	3.359	73	183150	20.095	ug/l	95
20) Methylene Chloride	3.044	84	69072	21.163	ug/l	88
21) trans-1,2-Dichloroethene	3.350	96	57256	21.451	ug/l	89
22) Diisopropyl ether	3.986	45	211795	22.205	ug/l #	79
23) Vinyl Acetate	3.951	43	803818	98.007	ug/l	96
24) 1,1-Dichloroethane	3.864	63	119434	21.812	ug/l	98
25) 2-Butanone	4.707	43	264931	100.798	ug/l	93
26) 2,2-Dichloropropane	4.658	77	91022	20.217	ug/l	97
27) cis-1,2-Dichloroethene	4.662	96	65520	21.348	ug/l	90
28) Bromochloromethane	4.970	49	55179	22.899	ug/l #	70
29) Tetrahydrofuran	5.054	42	167106	94.603	ug/l	87
30) Chloroform	5.083	83	115019	21.333	ug/l	98
31) Cyclohexane	5.385	56	109300	20.703	ug/l	92
32) 1,1,1-Trichloroethane	5.311	97	95330	20.681	ug/l	95
36) 1,1-Dichloropropene	5.523	75	83308	20.730	ug/l	96
37) Ethyl Acetate	4.800	43	103692	19.755	ug/l #	95
38) Carbon Tetrachloride	5.520	117	79096	19.248	ug/l	98
39) Methylcyclohexane	6.761	83	92849	19.431	ug/l	90
40) Benzene	5.771	78	255534	21.175	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.967	41	52646	19.460	ug/l #	87
42) 1,2-Dichloroethane	5.790	62	92896	20.873	ug/l	100
43) Isopropyl Acetate	5.906	43	143268	18.302	ug/l	96
44) Trichloroethene	6.539	130	58345	20.372	ug/l	89
45) 1,2-Dichloropropane	6.787	63	71106	21.246	ug/l	98
46) Dibromomethane	6.912	93	44507	20.287	ug/l	89
47) Bromodichloromethane	7.102	83	90464	21.192	ug/l	96
48) Methyl methacrylate	6.957	41	65673	17.974	ug/l	86
49) 1,4-Dioxane	7.038	88	27738	303.129	ug/l #	1
51) 4-Methyl-2-Pentanone	7.787	43	487749	93.401	ug/l	95
52) Toluene	7.967	92	153194	21.246	ug/l	98
53) t-1,3-Dichloropropene	8.205	75	93284	20.324	ug/l	99
54) cis-1,3-Dichloropropene	7.604	75	101312	20.594	ug/l	97
55) 1,1,2-Trichloroethane	8.395	97	61455	20.907	ug/l	98
56) Ethyl methacrylate	8.330	69	89239	18.356	ug/l	92
57) 1,3-Dichloropropane	8.571	76	111196	21.127	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.462	63	11054	39.507	ug/l	92
59) 2-Hexanone	8.681	43	371170	90.204	ug/l	95
60) Dibromochloromethane	8.806	129	63635	20.905	ug/l	97
61) 1,2-Dibromoethane	8.919	107	63303	19.807	ug/l	100
64) Tetrachloroethene	8.549	164	47245	20.097	ug/l	94
65) Chlorobenzene	9.443	112	154591	20.618	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.530	131	57590	20.600	ug/l	96
67) Ethyl Benzene	9.565	91	268466	19.554	ug/l	96
68) m/p-Xylenes	9.690	106	212279	41.436	ug/l	94
69) o-Xylene	10.095	106	98147	19.500	ug/l	91
70) Styrene	10.112	104	168861	20.767	ug/l	96
71) Bromoform	10.285	173	46346	19.562	ug/l #	100
73) Isopropylbenzene	10.478	105	259403	19.839	ug/l	97
74) N-amyl acetate	10.314	43	112870	16.753	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.777	83	104750	19.184	ug/l	98
76) 1,2,3-Trichloropropane	10.819	75	113456	18.512	ug/l	98
77) Bromobenzene	10.777	156	61485	19.329	ug/l	79
78) n-propylbenzene	10.903	91	318191	19.921	ug/l	96
79) 2-Chlorotoluene	10.980	91	195533	20.002	ug/l	91
80) 1,3,5-Trimethylbenzene	11.083	105	223319	19.632	ug/l	97
81) trans-1,4-Dichloro-2-b...	10.542	75	29530	17.894	ug/l	91
82) 4-Chlorotoluene	11.092	91	222060	20.064	ug/l	94
83) tert-Butylbenzene	11.417	119	210967	18.904	ug/l	95
84) 1,2,4-Trimethylbenzene	11.462	105	220217	19.717	ug/l	98
85) sec-Butylbenzene	11.639	105	276388	19.605	ug/l	98
86) p-Isopropyltoluene	11.787	119	225291	19.635	ug/l	96
87) 1,3-Dichlorobenzene	11.742	146	118541	19.351	ug/l	97
88) 1,4-Dichlorobenzene	11.832	146	120429	19.407	ug/l	95
89) n-Butylbenzene	12.205	91	191386	17.917	ug/l	97
90) Hexachloroethane	12.468	117	41703	18.532	ug/l	80
91) 1,2-Dichlorobenzene	12.208	146	120153	19.537	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.992	75	21941	15.957	ug/l	77
93) 1,2,4-Trichlorobenzene	13.835	180	67285	15.798	ug/l	99
94) Hexachlorobutadiene	14.015	225	33887	17.885	ug/l	99
95) Naphthalene	14.079	128	201980	12.512	ug/l	99
96) 1,2,3-Trichlorobenzene	14.324	180	67949	15.358	ug/l	98

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

