

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052622\
 Data File : VU048678.D
 Acq On : 26 May 2022 14:15
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/27/2022
 Supervised By : Mahesh Dadoda 05/27/2022

Quant Time: May 27 05:38:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 05:29:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	243417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	390132	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	372698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	208133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	344192	94.153	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 188.300%#			
35) Dibromofluoromethane	5.289	113	270757	97.280	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 194.560%#			
50) Toluene-d8	7.899	98	991625	99.390	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 198.780%#			
62) 4-Bromofluorobenzene	10.632	95	386247	102.365	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 204.720%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	270673	97.134	ug/l	99
3) Chloromethane	1.520	50	335608	93.556	ug/l	99
4) Vinyl Chloride	1.604	62	330513	99.479	ug/l	100
5) Bromomethane	1.842	94	168419	81.235	ug/l	99
6) Chloroethane	1.922	64	189912	91.750	ug/l	99
7) Trichlorofluoromethane	2.131	101	449432	94.715	ug/l	99
8) Diethyl Ether	2.375	74	170905	97.602	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.578	101	249475	96.048	ug/l	99
10) Methyl Iodide	2.720	142	405860	118.485	ug/l	98
11) Tert butyl alcohol	3.183	59	461207m	970.001	ug/l	
12) 1,1-Dichloroethene	2.578	96	241980	97.671	ug/l	96
13) Acrolein	2.485	56	146860	411.004	ug/l	100
14) Allyl chloride	2.922	41	479279	99.880	ug/l	99
15) Acrylonitrile	3.311	53	1032206	513.513	ug/l	100
16) Acetone	2.623	43	972076	521.775	ug/l	99
17) Carbon Disulfide	2.790	76	672807	93.027	ug/l	100
18) Methyl Acetate	2.945	43	453884	97.034	ug/l	99
19) Methyl tert-butyl Ether	3.363	73	944929	100.520	ug/l	99
20) Methylene Chloride	3.044	84	293642	92.688	ug/l	99
21) trans-1,2-Dichloroethene	3.353	96	267050	94.232	ug/l	96
22) Diisopropyl ether	3.990	45	912604	103.102	ug/l	97
23) Vinyl Acetate	3.954	43	4186108	545.850	ug/l	100
24) 1,1-Dichloroethane	3.867	63	537825	96.746	ug/l	100
25) 2-Butanone	4.700	43	1438556	537.498	ug/l	99
26) 2,2-Dichloropropane	4.665	77	476238	95.489	ug/l	100
27) cis-1,2-Dichloroethene	4.668	96	324071	98.794	ug/l	97
28) Bromochloromethane	4.973	49	216939	99.490	ug/l	99
29) Tetrahydrofuran	5.047	42	889797	519.383	ug/l	98
30) Chloroform	5.089	83	535905	96.345	ug/l	100
31) Cyclohexane	5.388	56	453784	98.499	ug/l	98
32) 1,1,1-Trichloroethane	5.317	97	484983	96.104	ug/l	99
36) 1,1-Dichloropropene	5.526	75	398186	98.023	ug/l	99
37) Ethyl Acetate	4.800	43	512650	96.809	ug/l	99
38) Carbon Tetrachloride	5.526	117	429519	92.164	ug/l	99
39) Methylcyclohexane	6.764	83	452841	106.318	ug/l	99
40) Benzene	5.774	78	1140515	95.101	ug/l	99

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41) Methacrylonitrile	4.970	41	275408	106.128	ug/l	99
42) 1,2-Dichloroethane	5.793	62	438652	93.438	ug/l	100
43) Isopropyl Acetate	5.909	43	753503	101.094	ug/l	100
44) Trichloroethene	6.543	130	297172	96.182	ug/l	98
45) 1,2-Dichloropropane	6.790	63	321373	106.444	ug/l	99
46) Dibromomethane	6.919	93	218411	96.828	ug/l	99
47) Bromodichloromethane	7.108	83	436362	95.660	ug/l	98
48) Methyl methacrylate	6.960	41	363924	108.763	ug/l	99
49) 1,4-Dioxane	6.973	88	184598	2467.945	ug/l	98
51) 4-Methyl-2-Pentanone	7.793	43	2644426	546.403	ug/l	99
52) Toluene	7.970	92	732810	102.157	ug/l	99
53) t-1,3-Dichloropropene	8.211	75	511708	103.991	ug/l	97
54) cis-1,3-Dichloropropene	7.607	75	529952	103.933	ug/l	100
55) 1,1,2-Trichloroethane	8.401	97	299066	94.465	ug/l	100
56) Ethyl methacrylate	8.333	69	501599	113.512	ug/l	98
57) 1,3-Dichloropropane	8.578	76	525600	98.642	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.465	63	593698	686.506	ug/l	98
59) 2-Hexanone	8.687	43	2169994	546.150	ug/l	100
60) Dibromochloromethane	8.813	129	347637	97.959	ug/l	99
61) 1,2-Dibromoethane	8.925	107	332589	95.391	ug/l	99
64) Tetrachloroethene	8.555	164	259242	90.520	ug/l	97
65) Chlorobenzene	9.449	112	790529	100.288	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.536	131	303667	101.491	ug/l	99
67) Ethyl Benzene	9.571	91	1421331	106.909	ug/l	99
68) m/p-Xylenes	9.694	106	1118287	215.066	ug/l	99
69) o-Xylene	10.102	106	544478	106.583	ug/l	99
70) Styrene	10.115	104	928604	110.513	ug/l	99
71) Bromoform	10.292	173	289791	104.754	ug/l #	100
73) Isopropylbenzene	10.484	105	1414721	105.286	ug/l	98
74) N-amyl acetate	10.320	43	694243	119.509	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.784	83	567494	103.492	ug/l	99
76) 1,2,3-Trichloropropane	10.825	75	694413	121.125	ug/l	99
77) Bromobenzene	10.784	156	355358	98.474	ug/l	99
78) n-propylbenzene	10.906	91	1732280	108.191	ug/l	99
79) 2-Chlorotoluene	10.986	91	1016383	102.077	ug/l	100
80) 1,3,5-Trimethylbenzene	11.089	105	1242084	106.296	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	203414	110.058	ug/l	98
82) 4-Chlorotoluene	11.095	91	1205667	104.948	ug/l	100
83) tert-Butylbenzene	11.423	119	1206463	107.576	ug/l	100
84) 1,2,4-Trimethylbenzene	11.468	105	1261324	110.899	ug/l	100
85) sec-Butylbenzene	11.645	105	1535680	109.454	ug/l	99
86) p-Isopropyltoluene	11.793	119	1322844	109.791	ug/l	100
87) 1,3-Dichlorobenzene	11.745	146	712958	100.768	ug/l	100
88) 1,4-Dichlorobenzene	11.838	146	720221	98.526	ug/l	99
89) n-Butylbenzene	12.208	91	1238218	116.944	ug/l	99
90) Hexachloroethane	12.478	117	240111	97.647	ug/l	99
91) 1,2-Dichlorobenzene	12.211	146	718212	100.484	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.996	75	165785	105.005	ug/l	98
93) 1,2,4-Trichlorobenzene	13.841	180	506063	107.896	ug/l	99
94) Hexachlorobutadiene	14.021	225	219920	97.823	ug/l	99
95) Naphthalene	14.086	128	1664913	114.448	ug/l	100
96) 1,2,3-Trichlorobenzene	14.330	180	488072	105.063	ug/l	99

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

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