

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020624\
 Data File : VN080919.D
 Acq On : 06 Feb 2024 15:46
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2024
 Supervised By : Mahesh Dadoda 02/07/2024

Quant Time: Feb 07 05:28:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 05:25:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	460022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	806342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	858206	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	363334	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	561183	96.702	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 193.400%#	
35) Dibromofluoromethane	8.165	113	495408	114.497	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 229.000%#	
50) Toluene-d8	10.565	98	1767797	112.954	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 225.900%#	
62) 4-Bromofluorobenzene	12.847	95	726215	127.732	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 255.460%#	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.124	85	503819	96.670	ug/l	97
3) Chloromethane	2.359	50	526892	98.935	ug/l	100
4) Vinyl Chloride	2.512	62	650110	95.513	ug/l	92
5) Bromomethane	2.936	94	391399	89.386	ug/l	94
6) Chloroethane	3.106	64	438599	91.113	ug/l	98
7) Trichlorofluoromethane	3.489	101	866850	97.266	ug/l	95
8) Diethyl Ether	3.959	74	304696	95.693	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.365	101	487964	97.333	ug/l	91
10) Methyl Iodide	4.583	142	499279	102.980	ug/l	99
11) Tert butyl alcohol	5.518	59	365159	456.691	ug/l	99
12) 1,1-Dichloroethene	4.336	96	471642	95.630	ug/l	90
13) Acrolein	4.171	56	466230	462.639	ug/l	98
14) Allyl chloride	5.018	41	637301	97.526	ug/l	# 86
15) Acrylonitrile	5.712	53	1061305	485.590	ug/l	98
16) Acetone	4.418	43	763428	399.858	ug/l	97
17) Carbon Disulfide	4.712	76	1186472	95.378	ug/l	97
18) Methyl Acetate	5.018	43	540050	98.596	ug/l	# 87
19) Methyl tert-butyl Ether	5.789	73	1654026	100.682	ug/l	96
20) Methylene Chloride	5.277	84	529862	91.601	ug/l	85
21) trans-1,2-Dichloroethene	5.783	96	531217	95.951	ug/l	92
22) Diisopropyl ether	6.671	45	1642161	108.416	ug/l	# 91
23) Vinyl Acetate	6.600	43	6198815	621.065	ug/l	# 86
24) 1,1-Dichloroethane	6.565	63	1066055	108.072	ug/l	94
25) 2-Butanone	7.483	43	1392200	454.301	ug/l	# 87
26) 2,2-Dichloropropane	7.488	77	999537	110.809	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	705892	109.729	ug/l	83
28) Bromochloromethane	7.812	49	387063	94.299	ug/l	# 55
29) Tetrahydrofuran	7.836	42	867874	463.211	ug/l	# 78
30) Chloroform	7.965	83	1048256	96.157	ug/l	98
31) Cyclohexane	8.253	56	709152	89.412	ug/l	# 75
32) 1,1,1-Trichloroethane	8.165	97	954021	100.996	ug/l	# 92
36) 1,1-Dichloropropene	8.371	75	752773	116.948	ug/l	95
37) Ethyl Acetate	7.559	43	556730	114.305	ug/l	98
38) Carbon Tetrachloride	8.359	117	803722	121.804	ug/l	96
39) Methylcyclohexane	9.600	83	756602	105.462	ug/l	# 87
40) Benzene	8.606	78	2238210	114.233	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	309484	106.623	ug/l #	89
42) 1,2-Dichloroethane	8.671	62	763625	111.934	ug/l	99
43) Isopropyl Acetate	8.688	43	1017437	113.600	ug/l #	91
44) Trichloroethene	9.353	130	600148	100.841	ug/l	96
45) 1,2-Dichloropropane	9.618	63	542404	102.601	ug/l	98
46) Dibromomethane	9.712	93	399924	102.304	ug/l #	90
47) Bromodichloromethane	9.888	83	838502	109.661	ug/l #	97
48) Methyl methacrylate	9.682	41	466122	92.372	ug/l #	83
49) 1,4-Dioxane	9.694	88	170670	1831.775	ug/l #	81
51) 4-Methyl-2-Pentanone	10.447	43	2910951	539.318	ug/l	91
52) Toluene	10.629	92	1456379	110.970	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	902287	121.951	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	952574	114.697	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	567756	111.928	ug/l	94
56) Ethyl methacrylate	10.877	69	813525	134.066	ug/l #	83
57) 1,3-Dichloropropane	11.165	76	931013	113.128	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	2151540	584.034	ug/l #	84
59) 2-Hexanone	11.200	43	2180436	532.997	ug/l	90
60) Dibromochloromethane	11.359	129	636727	122.848	ug/l	97
61) 1,2-Dibromoethane	11.471	107	576122	113.861	ug/l	97
64) Tetrachloroethene	11.106	164	520216	80.307	ug/l	92
65) Chlorobenzene	11.894	112	1800354	100.097	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	762316	117.453	ug/l	97
67) Ethyl Benzene	11.965	91	3461203	111.714	ug/l	97
68) m/p-Xylenes	12.071	106	2684380	228.050	ug/l	92
69) o-Xylene	12.400	106	1198739	104.951	ug/l	91
70) Styrene	12.412	104	2024735	118.114	ug/l	95
71) Bromoform	12.576	173	500729	115.188	ug/l #	97
73) Isopropylbenzene	12.700	105	2936178	103.909	ug/l	97
74) N-amyl acetate	12.494	43	980186	96.233	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.941	83	782028	88.966	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	702853m	90.940	ug/l	
77) Bromobenzene	12.982	156	731145	102.547	ug/l	66
78) n-propylbenzene	13.035	91	3397065	106.482	ug/l	94
79) 2-Chlorotoluene	13.123	91	2031300	100.753	ug/l	90
80) 1,3,5-Trimethylbenzene	13.176	105	2371326	103.246	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	312092	114.457	ug/l	98
82) 4-Chlorotoluene	13.223	91	2012672	100.057	ug/l	92
83) tert-Butylbenzene	13.441	119	2134762	109.040	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	2492228	108.947	ug/l	93
85) sec-Butylbenzene	13.618	105	2891681	109.917	ug/l	93
86) p-Isopropyltoluene	13.729	119	2437481	109.636	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	1323259	104.214	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	1303897	101.191	ug/l	96
89) n-Butylbenzene	14.059	91	2094073	106.628	ug/l	97
90) Hexachloroethane	14.335	117	358778	102.342	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	1233903	101.431	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.717	75	140512	85.458	ug/l	74
93) 1,2,4-Trichlorobenzene	15.394	180	585840	97.355	ug/l	99
94) Hexachlorobutadiene	15.506	225	240067	92.019	ug/l	96
95) Naphthalene	15.641	128	1922802	96.776	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	548852	92.660	ug/l	99

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

