

### Water Delta 18-O analysis: CO2 - H2O equilibration method

<b>Date</b>	15.08.2011						
<b>Analyst</b>	ADM						
<b>Equilibration vessel set</b>	A1A						
<b>Sample volume/mL</b>	2.4						
<b>P(CO2)/mb</b>	880	<b>d18-O CO2 (VSMOW)</b>	9.510				
<b>beta</b>	0.005	<b>Equilibration T/ deg C</b>	21				
<b>Internal Standards</b>							
<b>Standard</b>	<b>d 18-O H2O</b>	<b>Run #</b>	<b>Port</b>	<b>d 18-O CO2</b>	<b>alpha standards are averages from each bank</b>		
USGS67400	-1.970	63117	A2	39.425	1.041633		
USGS67400	-1.970	63118	A3	39.473	1.041681		
USGS67400	-1.970	63119	A4	39.451	1.041659	1.041658	0.000024
USGS67400	-1.970	63117	A2	39.425	1.041633		
USGS67400	-1.970	63118	A3	39.473	1.041681		
USGS67400	-1.970	63119	A4	39.451	1.041659	1.041658	0.000024
USGS67400	-1.970	63117	A2	39.425	1.041633		
USGS67400	-1.970	63118	A3	39.473	1.041681		
USGS67400	-1.970	63119	A4	39.451	1.041659	1.041658	0.000024
USGS67400	-1.970	63117	A2	39.425	1.041633		
USGS67400	-1.970	63118	A3	39.473	1.041681		
USGS67400	-1.970	63119	A4	39.451	1.041659	1.041658	0.000024
<b>SAMPLES</b>							
<b>Sample</b>	<b>Port</b>	<b>Equilib. #</b>	<b>MS #</b>	<b>d 18-O (CO2)</b>		<b>d 18-O (H2O)</b>	
				<b>VPDB</b>	<b>VSMOW</b>	<b>VSMOW</b>	<b>VSMOW-SLAP</b>
USGS67400	A1	63116	63116	8.188	39.301	-2.114	-2.114
USGS67400	A2	63117	63117	8.309	39.425	-1.994	-1.993
USGS67400	A3	63118	63118	8.355	39.473	-1.948	-1.948
USGS67400	A4	63119	63119	8.334	39.451	-1.969	-1.969
NTW	A5	63120	63120	3.018	33.971	-7.257	-7.244
NTW	A6	63121	63121	3.055	34.009	-7.220	-7.208
NTW	A7	63122	63122	3.047	34.001	-7.228	-7.216
NTW	A8	63123	63123	2.981	33.933	-7.294	-7.281
USGS64444	A9	63124	63124	-40.579	-10.971	-50.627	-50.511
USGS64444	A10	63125	63125	-41.228	-11.640	-51.272	-51.155
USGS64444	A11	63126	63126	-41.177	-11.588	-51.222	-51.105
USGS64444	A12	63127	63127	-41.233	-11.645	-51.277	-51.160
NTW	B1	63128	63128	2.755	33.700	-7.518	-7.505
NTW	B2	63129	63129	n/r			
NTW	B3	63130	63130	n/r			
JC-034263	B4	63131	63131	n/r			
JC-034263	B5	63132	63132	n/r			
JC-033895	B6	63133	63133	n/r			
JC-033895	B7	63134	63134	0.140	31.004	-10.120	-10.100
JC-033896	B8	63135	63135	2.671	33.613	-7.602	-7.589
JC-033896	B9	63136	63136	2.632	33.573	-7.641	-7.627
NTW	B10	63137	63137	3.096	34.052	-7.179	-7.167
NTW	B11	63138	63138	3.049	34.003	-7.226	-7.214
NTW	B12	63139	63139	3.027	33.980	-7.248	-7.235
NTW	C1	63140	63140	3.053	34.007	-7.222	-7.210
NTW	C2	63141	63141	3.079	34.034	-7.196	-7.184
SW1 160310 13:00	C3	63142	63142	9.244	40.389	-1.063	-1.065
SW2 260110 14:30	C4	63143	63143	9.701	40.860	-0.609	-0.612
SW3 161209 11:15	C5	63144	63144	9.888	41.053	-0.423	-0.426
SW4 210709 10:15	C6	63145	63145	9.918	41.084	-0.393	-0.397
SW5 060809 14:00	C7	63146	63146	10.056	41.226	-0.256	-0.260
SW6 200410 15:30	C8	63147	63147	9.431	40.582	-0.877	-0.880
SW7 271009 14:10	C9	63148	63148	9.691	40.850	-0.619	-0.622
SW8 280510 17:00	C10	63149	63149	9.380	40.529	-0.928	-0.930
SW9 221109 15:20	C11	63150	63150	10.036	41.206	-0.275	-0.279
NTW	C12	63151	63151	3.215	34.174	-7.061	-7.049
NTW	D1	63152	63152	3.064	34.019	-7.211	-7.199
NTW	D2	63153	63153	3.044	33.998	-7.231	-7.218
NWR 108	D3	63154	63154	4.603	35.605	-5.680	-5.671
NWR 110	D4	63155	63155	6.068	37.115	-4.223	-4.217
NWR 112	D5	63156	63156	7.867	38.970	-2.433	-2.432
NWR 114	D6	63157	63157	5.777	36.815	-4.512	-4.506
NWR 116	D7	63158	63158	7.248	38.332	-3.049	-3.046
NWR 118	D8	63159	63159	4.589	35.591	-5.694	-5.685
NWR 120	D9	63160	63160	2.835	33.782	-7.439	-7.426
NWR 122	D10	63161	63161	1.873	32.791	-8.396	-8.381
NTW	D11	63162	63162	2.964	33.915	-7.311	-7.298
NTW	D12	63163	63163	3.053	34.007	-7.222	-7.210