

FOIA/PA NO: 2015-0230

RECORDS BEING RELEASED IN THEIR ENTIRETY

Group A

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Purpose: Comprehensive compilation of available Yucca Mountain porewater and other water composition data.

Sample Name	Sample collection method: ultra centrifuge or uniaxial compression	Other	Lithology Unit	Hydrology Unit
ECRB-SYS-CS				
ECRB-SYS-CS400/3.8-4.3/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS400/5.6-6.2/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS450/5.3-6.0/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS500/12.0-16.7/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS600/3.6-4.0/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS700/5.5-5.8/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS750/6.2-6.5/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS800/4.9-5.6/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS850/5.1-5.6/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS900/2.8-3.0/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS900/3.0-3.2/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS900/3.4-1/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS900/5.4-5.9/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS950/4.8-5.5/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS950/5.2-5.3/UC	ultra centrifuge		Tptpul	TSw
ECRB-SYS-CS1000/5.4-6.1/UC	ultra centrifuge		Tptpma	TSw
ECRB-SYS-CS1000/7.3-7.7/UC	ultra centrifuge		Tptpma	TSw
ECRB-SYS-CS1000/10.9-11.1/UC	ultra centrifuge		Tptpma	TSw
ECRB-SYS-CS1000/11.1-11.6/UC	ultra centrifuge		Tptpma	TSw
ECRB-SYS-CS1000/12.9-14.0/UC	ultra centrifuge		Tptpma	TSw
ECRB-SYS-CS1000/15.6-15.8/UC	ultra centrifuge		Tptpma	TSw
ECRB-SYS-CS1100/3.7-3.8/UC	ultra centrifuge		Tptpma	TSw
ECRB-SYS-CS1150/3.2-3.8/UC	ultra centrifuge		Tptpma	TSw
ECRB-SYS-CS1250/3.4-4.0/UC	ultra centrifuge		Tptpma	TSw
ECRB-SYS-CS1250/5.0-5.7/UC	ultra centrifuge		Tptpma	TSw
ECRB-SYS-CS1500/10.0-12.1/UC	ultra centrifuge		Tptpl	TSw
ECRB-SYS-CS2000/3.3-8/UC	ultra centrifuge		Tptpl	TSw
ECRB-SYS-CS2000/3.95-4.1/UC	ultra centrifuge		Tptpl	TSw
ECRB-SYS-CS2000/16.3-16.5/UC	ultra centrifuge		Tptpl	TSw
ECRB-SYS-CS2000/16.5-21.1/UC	ultra centrifuge		Tptpl	TSw
ECRB-SYS-CS2150/5.5-6.1/UC	ultra centrifuge		Tptpl	TSw
ECRB-SYS-CS2250/5.2-5.6/UC	ultra centrifuge		Tptpl	TSw
ECRB-SYS-CS2300/4.3-4.9/UC	ultra centrifuge		Tptpl	TSw
ECRB-SYS-CS2300/6.1-6.7/UC	ultra centrifuge		Tptpl	TSw
ECRB-SYS-CS2350/5.0-5.7/UC	ultra centrifuge		Tptpl	TSw
SD-9				
SD-9/58.5-58.8/UC	ultra centrifuge		Tpcv2	TCw
SD-9/92.9-93.2/UC	ultra centrifuge		Tpb4	PTn
SD-9/93.3-93.4/UC	ultra centrifuge		Tpb4	PTn
SD-9/93.4-93.5/UC	ultra centrifuge		Tpb4	PTn
SD-9/94.2-94.4	uniaxial compression		Tpb4	PTn
SD-9/134.2-134.4/UC	ultra centrifuge		Tpy	TCw
SD-9/153.5-153.7/UC	uniaxial compression		Tpb3	TCw
SD-9/154.0-154.2	uniaxial compression		Tpb4	PTn
SD-9/114.1-114.3	uniaxial compression		Tpy	PTn
SD-9/135.1-135.3	uniaxial compression		Tpy	PTu
SD-9/176.2-176.4	uniaxial compression		Tpp	PTn
SD-9/251.8-252.0	uniaxial compression		Tpb2	PTn
SD-9/252.9-253.0/UC	ultra centrifuge		Tpb2	TCw
SD-9/669.0-669.1/UC1	ultra centrifuge		Tptpul	TSw
SD-9/669.1-669.2/UC	ultra centrifuge		Tptpul	TSw
SD-9/669.7-669.8/UC1	ultra centrifuge		Tptpul	TSw
SD-9/669.8-669.9/UC1	ultra centrifuge		Tptpul	TSw
SD-9/670.5-670.6/UC	ultra centrifuge		Tptpul	TSw
SD-9/990.4-991.7/UC	ultra centrifuge		Tptpl	TSw
SD-9/991.7-992.1/UC	ultra centrifuge		Tptpl	TSw
SD-9/1060.1-1060.5/UC	ultra centrifuge		Tptpl	TSw
SD-9/1095.6-1096.0/UC	ultra centrifuge		Tptpl	TSw
SD-9/1119.7-1119.9/UC	ultra centrifuge		Tptpl	TSw
SD-9/1184.0-1184.2/UC	ultra centrifuge		Tptpln	TSw
SD-9/1184.7-1184.8/UC	ultra centrifuge		Tptpln	TSw
SD-9/1184.8-1185.0/UC	ultra centrifuge		Tptpln	TSw
SD-9/1185.0-1185.3/UC1	ultra centrifuge		Tptpln	TSw
SD-9/1234.9-1235.1/UC	ultra centrifuge		Tptpln	TSw
SD-9/1236.4-1236.8/UC	ultra centrifuge		Tptpln	TSw
SD-9/1275.6-1276.0/UC	ultra centrifuge		Tptpln	TSw
SD-9/1276.5-1276.8/UC	ultra centrifuge		Tptpln	TSw
SD-9/1276.8-1277.0/UC	ultra centrifuge		Tptpln	TSw
SD-9/1303.4-1303.9/UC	ultra centrifuge		Tptpln	TSw
SD-9/1330.4-1330.7/UC	ultra centrifuge		Tptpln	TSw

SD-9/1452.1-1452.2/UC	ultra centrifuge		Tpipv1	CHn
SD-9/1452.6-1452.8	uniaxial compression	below repository horizon	Tpipv2	CHn
SD-9/1489/pw-1		perched water	Tac	CHn
SD-9/1535.0-1535.1/UC	ultra centrifuge		Tac	CHn
SD-9/1535.15-1535.35	uniaxial compression		Tac3	CHn
SD-9/1619.9-1661.4	uniaxial compression		Tac2	CHn
SD-9/1661.1-1661.3	uniaxial compression		Tac2	CHn
SD-9/1661.3-1661.4/UC	ultra centrifuge		Tac	CHn
SD-9/1741.0-1741.2	uniaxial compression		Tac1	CHn
SD-9/1741.7-1741.9	uniaxial compression		Tac1	CHn
SD-9/1841.4-1841.5/UC	ultra centrifuge		Tcpuv	CHn
SD-9/1880.35-1880.45/UC	ultra centrifuge		Tcp3	CHn
SD-9/1880.5-1880.6/UC	ultra centrifuge	extracted near SZ contact	Tcpuc	CHn
SD-9/1880.6-1880.7/UC	ultra centrifuge	extracted near SZ contact	Tcpuc	CHn
SD-9/1800.7-1800.9	uniaxial compression		Tacbt1	CHn
NRG-77A				
NRG-77A/839.3-839.8/UC	ultra centrifuge		Ttpnmm	TSw
NRG-77A/1504.2-1504.3/UC	ultra centrifuge		Tac	CHn
NRG-77A/1504.3-1504.6/UP-1/TOP	uniaxial compression		Tac	CHn
NRG-77A/1504.3-1504.6/UP-1/BOTTOM	uniaxial compression		Tac	CHn
NRG-77A/1504.3-1504.6/UP-2/BOTTOM	uniaxial compression		Tac	CHn
NRG-77A/1504.3-1504.6/UP-2/TOP	uniaxial compression		Tac	CHn
NRG/7A-165.75-166.0	uniaxial compression		Tpbt3	PTn
NRG/7A-258.0-258.4	uniaxial compression		Jpp	PTn
NRG/7A		perched water	below Tac	CHn
NRG/7A-1483.5-1483.8	uniaxial compression		Ttpv1	CHn
NRG/7A-1498.6-1498.9/UP-1	uniaxial compression		Tac	CHn
NRG/7A-1492.7-1493.08/UP-1	uniaxial compression		Ttpv1	CHn
ESF-NR-MS				
ESF-NR-MS#3/6.0-6.2/UC	ultra centrifuge	MS (moist study)	Tpcplnc	TCw
ESF-NR-MS#3/6.0-6.2/UC	ultra centrifuge	MS (moist study)	Tpcplnc	TCw
ESF-NR-MS#6/6.0-6.15/UC	ultra centrifuge	MS (moist study)	Tpcpv	PTn
ESF-NR-MS#6/6.15-6.3/UC	ultra centrifuge	MS (moist study)	Tpcpv	PTn
ESF-NR-MS#6/6.15-6.3/UC	ultra centrifuge	MS (moist study)	Tpcpv	PTn
ESF-NR-MS#8A/3.3-3.5/UC	ultra centrifuge	MS (moist study)	Tpy	PTn
ESF-NR-MS#10/4.9-5.1/UC	ultra centrifuge	MS (moist study)	Tpbt3	PTn
ESF-NR-MS#11/4.8-5.0/UC	ultra centrifuge	MS (moist study)	Tpp	PTn
ESF-NR-MS#15/4.8-5.1/UC	ultra centrifuge	MS (moist study)	Tptrv3/Tptrv2	PTn
ESF-SR-MS				
ESF-SR-MS#22/4.3-4.5/UC	ultra centrifuge	MS (moist study)	Tpbt2	PTn
ESF-SR-MS#22/5.8-6.0/UC	ultra centrifuge	MS (moist study)	Tpbt2	PTn
ESF-SR-MS#22/6.0-6.3/UC	ultra centrifuge	MS (moist study)	Tpbt2	PTn
ESF-SR-MS#22/6.3-6.7/UC	ultra centrifuge	MS (moist study)	Tpbt2	PTn
ESF-SR-MS#23/6.6-8.8/UC	ultra centrifuge	MS (moist study)	Tpbt2	PTn
ESF-SR-MS#23/14.5-14.6/UC	ultra centrifuge	MS (moist study)	Tpbt2	PTn
ESF-SR-MS#23/14.6-14.9/UC	ultra centrifuge	MS (moist study)	Tpbt2	PTn
ESF-SAD-GTB				
ESF-SAD-GTB#1/119.4-120.0/UC	ultra centrifuge		Ttpnmm	TSw
ESF-SAD-GTB#1/126.1-126.4/UC	ultra centrifuge		Ttpnmm	TSw
ESF-SAD-GTB#1/194.2-195.2/UC	ultra centrifuge		Ttpnmm	TSw
ESF-SAD-GTB#1/195.4-196.7/UC	ultra centrifuge		Ttpnmm	TSw
ESF-SAD-GTB#1/199.0-199.3/UC	ultra centrifuge		Ttpnmm	TSw
ESF-HD-ChemSamp				
ESF-HD-ChemSamp-1/26.1-26.9/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-1/28.8-29.7/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-1/34.6-35.4/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-1/37.1-37.2/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/46.3-46.9/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/104.6-105.3/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/108.4-109.0/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/111.8-112.0/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/113.1-113.8/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/115.0-115.6/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/127.1-128.0/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/33.9-34.4/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/34.4-34.5/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/36.5-37.5/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/38.2-39.1/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/42.3-42.8/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-HD-ChemSamp-3/46.0-46.3/UC	ultra centrifuge	heated block of drift-scale test; thermally perturbed	Ttpnmm	TSw
ESF-THERMALK-017				
ESF-THERMALK-017/16.6-17.2/UC	ultra centrifuge		Ttpipul	TSw
ESF-THERMALK-017/22.3-22.9/UC	ultra centrifuge		Ttpipul	TSw
ESF-THERMALK-017/26.3-26.5/UC	ultra centrifuge		Ttpipul	TSw
ESF-THERMALK-017/26.5-26.9/UC	ultra centrifuge		Ttpipul	TSw

ESF-THERMALK-017/22.9-23.0/UC	ultra centrifuge		Ttpul	TSw
ESF-THERMALK-019				
ESF-THERMALK-019/19.2-19.5/UC	ultra centrifuge		Ttpul	TSw
ESF-THERMALK-019/19.5-19.7/UC	ultra centrifuge		Ttpul	TSw
ESF-HD-PERM				
HD-PERM-3/56.7-57.1/UC	ultra centrifuge		Ttpm	TSw
HD-PERM-2/34.5-34.9/UC	ultra centrifuge		Ttpm	TSw
HD-PERM-3/22.4-23.0/UC	ultra centrifuge		Ttpm	TSw
HD-PERM-2/61.7-62.3/UC	ultra centrifuge		Ttpm	TSw
HD-PERM-2/19.3-19.7/UC	ultra centrifuge		Ttpm	TSw
ESF-HD-PERM-1			Ttpm	TSw
ESF-HD-PERM-2			Ttpm	TSw
ESF-HD-PERM-3			Ttpm	TSw
WT-24				
WT-24/1734.3-1735.1/UP-1	uniaxial compression		Ttpv1	CHn
WT-24/1744.2-1744.5/UP-1	uniaxial compression		Ttpv1	CHn
WT-24/1744.5-1745.0/UP-2	uniaxial compression		Ttpv1	CHn
WT-24/1738.7-1739.0/UP-2	uniaxial compression		Ttpv1	CHn
WT-24/1739.0-1739.3/UP-1	uniaxial compression		Ttpv1	CHn
WT-24/1744.2-1744.5/UP-2	uniaxial compression		Ttpv1	CHn
WT-24/1744.5-1745.0/UP-3	uniaxial compression		Ttpv1	CHn
WT-24/1809.6-1810.1/UP-2	uniaxial compression		below Tac	CHn
WT-24/1810.5-1810.6/UC-1	ultra centrifuge		below Tac	CHn
WT-24/1817.6-1817.7/UC-1	ultra centrifuge		below Tac	CHn
WT-24/1841.0-1841.8/UC-1	ultra centrifuge		below Tac	CHn
WT-24/1871.7-1872.4/UC-1	ultra centrifuge		below Tac	CHn
WT-24/1874.9-1875.4/UP-1	uniaxial compression		below Tac	CHn
WT-24/1905.0-1905.5/UC-1	ultra centrifuge		below Tac	CHn
WT-24/1933.5-1933.8/UP-1	uniaxial compression		below Tac	CHn
WT-24/1934.6-1935.0/UP-1	uniaxial compression		below Tac	CHn
WT-24/1937.0-1937.2/UC-1	ultra centrifuge		below Tac	CHn
WT-24/1969.8-1970.2/UC-1	ultra centrifuge		below Tac	CHn
WT-24/1972.7-1973.1/UC-1	ultra centrifuge		below Tac	CHn
WT-24/2139.3-2139.8/UP-1	uniaxial compression		below Tac	CHn
WT-24/2139.8-2140.0/UC-1	ultra centrifuge		below Tac	CHn
WT-24/2199.2-2199.5/UP-1	uniaxial compression		below Tac	CHn
WT-24/2199.9-2200.0/UC-1	ultra centrifuge		below Tac	CHn
WT-24/2202.0-2202.4/UP-2	uniaxial compression		below Tac	CHn
WT-24/2202.4-2202.6/UC-1	ultra centrifuge		below Tac	CHn
WT-24/2202.6-2203.0/UP-1	uniaxial compression		below Tac	CHn
WT-24/2203.0-2203.2/UC-1	ultra centrifuge		below Tac	CHn
WT-24/2207.5-2207.7/UC-1	ultra centrifuge		below Tac	CHn
WT-24/2207.5-2207.7/UC-2	ultra centrifuge		below Tac	CHn
WT-24/2259.0-2259.3/UP-1	uniaxial compression		below Tac	CHn
WT-24/2348.6-2348.9/UP-1	uniaxial compression		below Tac	CHn
WT-24/2349.7-2349.8/UC-1	ultra centrifuge		below Tac	CHn
WT-24/2406.0-2406.1/UC-1	ultra centrifuge		below Tac	CHn
WT-24/2406.3-2406.6/UP-1	uniaxial compression		below Tac	CHn
WT-24/2479.9-2480.5/UP-1	uniaxial compression		below Tac	CHn
WT-24/2493.4-2493.8/UP-1	uniaxial compression		below Tac	CHn
WT-24/2494.4-2494.5/UC-1	ultra centrifuge		below Tac	CHn
WT-24/2525.9-2526.2/UP-1	uniaxial compression		below Tac	CHn
SD-7				
SD-7/339.7-340.2	uniaxial compression		Tpbt3	PTn
SD-7/1498.4-1498.6	uniaxial compression		Tac2	CHn
SD-7/1524.6-1525.7	uniaxial compression		Tac1	CHn
SD-7/1558.4-1558.6	uniaxial compression		Tac1	CHn
SD-7/370.3-370.6	uniaxial compression		Tpbt2	PTn
SD-7/1617.0-1617.2/UP-1	uniaxial compression		Tacbs	CHn
SD-7/2596.1-2596.3/UP-1	uniaxial compression		Tcbts	CHn
SD-7/2598.3-2598.5/UP-1	uniaxial compression		Tet	CHn
SD-7/1600.1-1600.3/UP-1	uniaxial compression		Tacbt	CHn
SD-7/1890.7-1891.1	uniaxial compression		Tcpm	CHn
SD-7/1952.4-1952.7	uniaxial compression		Tcpiv	CHn
SD-7/2088.2-2088.5	uniaxial compression		Tcpiv	CHn
SD-7/2170.1-2170.5	uniaxial compression		Tcpbt	CHn
SD-7/2596.5-2596.9	uniaxial compression		Tcbbt	CFu
SD-7 (3/8)		perched water	Tcpuc	CHn
SD-7 (3/16)		perched water	Tcpuc	CHn
SD-7 (3/17)		perched water	Tcpuc	CHn
SD-7 (3/20)		perched water	Tcpuc	CHn
SD-7 (3/21)		perched water	Tcpuc	CHn
SD-12				
SD-12/1053.7-1054.1/UC-1	ultra centrifuge	4-year cold storage	Tptpl	TSw
SD-12/1558.9-1559.5/UP-1	uniaxial compression		Tac2	CHn

SD-12/1582.5-1582.7 UP-1	uniaxial compression		Tac2	CHn
SD-12/296.1-296.6 UP-1	uniaxial compression		Tpbt2	PTn
SD-12/1901.4-1901.6 UP-1	uniaxial compression		Tcp2	CHn
SD-12/278.6-278.8	uniaxial compression		Tpp	PTn
SD-12/1495.5-1495.8	uniaxial compression		Tac3	CHn
SD-12/265.8-266.1	uniaxial compression		Tpbt4	PTn
SD-12/1460.7-1461.0	uniaxial compression		Tac4	CHn
SD-12/1517.0/1517.4	uniaxial compression		Tac3	CHn
SD-12/1600.6-1603.0	uniaxial compression		Tac1	CHn
SD-12/1636.8-1637.0	uniaxial compression		Tacbt	CHn
SD-12/1938.5-1939.0	uniaxial compression		Tcp2	CHn
SD-12/1942.2-1942.6	uniaxial compression		Tcp2	CHn
SD-6				
SD-6/411.8 - 412.2/UC1	ultra centrifuge		Tpc_un	TCw
SD-6/412.2 - 412.6/UC1	ultra centrifuge		Tpc_un	TCw
SD-6/421.6 - 422.1/UP2	uniaxial compression		Tpcpv2	TCw
SD-6/430.3 - 430.6/UP2	uniaxial compression		Tpcpv1	PTn
SD-6/430.3-430.6 UP-1	uniaxial compression		Tpcpv1	PTn
SD-6/443.2-443.5 UP-1	uniaxial compression		Tpbt4	PTn
SD-6/443.5-443.8 UP-1	uniaxial compression		Tpbt5	PTn
SD-6/501.3-501.6/UC	ultra centrifuge		Tpbt2	PTn
SD-6/501.3-501.4/UC	ultra centrifuge		Tpbt2	PTn
SD-6/430.6 - 431.0/UP1	uniaxial compression		Tpcpv1	PTn
SD-6/443.2 - 443.5/UP2	uniaxial compression		Tpbt4	PTn
SD-6/443.5 - 443.8/UP1	uniaxial compression		Tpbt4	PTn
SD-6/471.3 - 471.7/UP1	uniaxial compression		Tpbt3	PTn
SD-6/491.2 - 491.5/UP2	uniaxial compression		Tpbt2	PTn
SD-6/507.5 - 507.8/UP2	uniaxial compression		Tpbt2	PTn
SD-6/522.5 - 522.6/UC1	ultra centrifuge		Tptrv2	PTn
SD-6/1509.9 - 1510.3/UC1	ultra centrifuge	below repository horizon	Tptpv2	TSw
SD-6/1562.3 - 1562.7/UC1	ultra centrifuge		Tac	CHn
SD-6/1565.2 - 1566.2/UC1	ultra centrifuge		Tac	CHn
SD-6/1727.9 - 1728.4/UP1	uniaxial compression		Tcpuv	CHn
SD-6/1736.2 - 1736.3/UC1	ultra centrifuge		Tcpuv	CHn
SD-6/1739.3 - 1739.5/UC1	ultra centrifuge		Tcpuv	CHn
SD-6/1748.0 - 1748.4/UC1	ultra centrifuge		Tcpuc	CHn
SD-6/1754.4 - 1755.2/UC1	ultra centrifuge		Tcpuc	CHn
SD-6/1833.3 - 1834.4/UC1	ultra centrifuge		Tcpuc	CHn
SD-6/2121.4 - 2122.2/UC1	ultra centrifuge		Tcbuv	CHn
SD-6/2124.0 - 2124.2/UC1	ultra centrifuge		Tcbuc	CFu
ECRB-DS3-1616				
ECRB-DS3-1616/12.5-12.7/UC	ultra centrifuge	ECRB drift shadow		TSw
ECRB-DS3-1616/12.7-13.3/UC	ultra centrifuge	ECRB drift shadow		TSw
ECRB-DS3-1616/10.6-11.0/UC	ultra centrifuge	ECRB drift shadow		TSw
ECRB-DS3-1616/9.8-10.1/UC	ultra centrifuge	ECRB drift shadow		TSw
ECRB-DS3-1616/9.6-9.8/UC	ultra centrifuge			
ECRB-DS3-1616/10.1-10.4/UC	ultra centrifuge			
ECRB-DS3-1616/10.4-10.6/UC	ultra centrifuge			
ECRB-DS3-1616/11.5-12.5/UC	ultra centrifuge			
ECRB-DS3-1616/8.7-8.9/UC	ultra centrifuge			
ECRB-DS3-1616/7.1-7.5/UC	ultra centrifuge			
ECRB-DS3-1616/7.5-7.7/UC	ultra centrifuge			
ECRB-DS3-1616/7.7-7.9/UC	ultra centrifuge			
ECRB-DS3-1616/7.9-8.0/UC	ultra centrifuge	ECRB drift shadow		TSw
ECRB-DS3-1616/8.0-8.1/UC	ultra centrifuge	ECRB drift shadow		TSw
ECRB-DS2-1613				
ECRB-DS2-1613/18.6-18.9/UC	ultra centrifuge	ECRB drift shadow		TSw
ECRB-DS2-1613/13.2-13.4/UC	ultra centrifuge	ECRB drift shadow		TSw
NC-EWDP				
NC-EWDP-19PB/630.9-631.5/UC1	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/630.9-631.5/UC2	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/630.9-631.5/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/609.1-609.9/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/584.7-585.5/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/575.3-576.2/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/563.3-564.0/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/537.5-538.0/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/512.4-513.2/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/486.0-486.9/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/431.2-432.2/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/421.5-422.5/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/405.0-406.1/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/377.7-378.3/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/563.3-564.0/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/537.5-538.0/UC	ultra centrifuge	sonic porewater		

As of 03/27/2007 the USGS is in the process of making GS0703PA312272.001 a Q DTN.

NC-EWDP-19PB/584.7-585.5/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/462.9-463.7/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/622.0-623.7/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/761.6-762.4/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/523.5-524.4/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/505.0-505.8/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/475.0-476.2/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/645.0-645.9/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/732.5-733.2/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/583.0-583.6/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/673.9-675.3/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/702.1-703.0/UC	ultra centrifuge	sonic porewater		
NC-EWDP-22PC/552.8-553.6/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/591.0-591.7/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/594.5-595.2/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/579.2-580.0/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/541.3-541.7/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/533.1-533.7/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/522.1-522.7/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/502.4-503.3/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/508.7-509.1/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/512.4-513.2/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/352.9-353.6/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/365.1-366.1/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/365.3/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/365.6/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/365.9/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/366.1/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/502.5/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/502.8/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/503.2/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/579.4/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/579.9/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB/579.6/UC	ultra centrifuge	sonic porewater		
NC-EWDP-19PB 492.5'		miscellaneous		
NC-EWDP-19PB 492.5'		miscellaneous		
NC-EWDP-19PB 492.5'		miscellaneous		
UE-25 RF				
UE-25 RF-48/152.6-153.9/UC	ultra centrifuge	sonic porewater		
UE-25 RF-48/152.6-153.9/UC1	ultra centrifuge	sonic porewater		
UE-25 RF-48/152.6-153.9/UC2	ultra centrifuge	sonic porewater		
UE-25 RF-48/152.6-153.9/UC3	ultra centrifuge	sonic porewater		
UE-25 RF-48/138.7-139.7/UC	ultra centrifuge	sonic porewater		
UE-25 RF-48/129.2-130.3/UC	ultra centrifuge	sonic porewater		
UE-25 RF-48/120.2-121.5/UC	ultra centrifuge	sonic porewater		
UE-25 RF-48/106.9-108.5/UC	ultra centrifuge	sonic porewater		
UE-25 RF-48/98.1/UC	ultra centrifuge	sonic porewater		
UE-25 RF-48/99.1/UC	ultra centrifuge	sonic porewater		
UE-25 WT #12				
UE-25 WT #14				
UE-25 WT #15				
NRG6				
NRG6-158.2-158.58/UP-1	uniaxial compression		Tpcpv1	PTn
NRG6-160.8-161.2	uniaxial compression		Tpb4	PTn
NRG6-171.0-171.3/UP-1	uniaxial compression		Tpb3	PTn
NRG6-175.6-175.95/UP-1	uniaxial compression		Tpp	PTn
NRG6-219.9-220.2/UP-1	uniaxial compression		Tpp	PTn
NRG6-244.6-245.0	uniaxial compression		Tpb2	PTn
NRG6-255.9-256.1	uniaxial compression		Tpv3	PTn
UZ14				
UZ14A		perched water; below repository horizon	Tptpv2	TSw
UZ14A2		perched water; below repository horizon	Tptpv2	TSw
UZ14B		perched water; below repository horizon	Tptpv2	TSw
UZ14C		perched water; below repository horizon	Tptpv2	TSw
UZ14PT-1		perched water; below repository horizon	Tptpv2	TSw
UZ14PT-2		perched water; below repository horizon	Tptpv2	TSw
UZ14PT-4		perched water; below repository horizon	Tptpv2	TSw
UZ14D		perched water; below repository horizon	Tptpv2	TSw
UZ14-100.4-100.8/UP-1	uniaxial compression		Tpb3	PTn
UZ14-100.4-100.8/UP-2	uniaxial compression		Tpb3	PTn
UZ14-100.4-100.8/UP-4	uniaxial compression		Tpb3	PTn
UZ14-100.4-100.8/UP-5	uniaxial compression		Tpb3	PTn
UZ14-114.75-115.0/UP-1	uniaxial compression		Tpp	PTn
UZ14-1258.5-1258.8/UP-1	uniaxial compression		Tptpln	TSw
UZ14-1277.4-1277.7/UP-1	uniaxial compression		Tptpln	TSw

UZ14-1277.7-1278.0/UP-1	uniaxial compression	Tp1ph	TSw
UZ14-135.5-135.8/UP-1	uniaxial compression	Tpp	PTn
UZ14-144.8-145.2/UP-1	uniaxial compression	Tpp	PTn
UZ14-147.79-148.1/UP-1	uniaxial compression	Tpp	PTn
UZ14-1542.3-1542.8/UP-1	uniaxial compression	Tac	CHn
UZ14-1564.6-1564.75/UP1,2,3,4	uniaxial compression	Tac	CHn
UZ14-1585.0-1585.15/UP-4	uniaxial compression	Tac	CHn
UZ14-1605.85-1606.1/UP-1,2,3	uniaxial compression	Tac	CHn
UZ14-1674.8-1675.05/UP-1-5	uniaxial compression	Tac	CHn
UZ14-1695.4-1695.6/UP-1	uniaxial compression	Tac	CHn
UZ14-177.6-177.9/UP-1	uniaxial compression	Tac	CHn
UZ14-178.1-178.4/UP-1	uniaxial compression	Tac	CHn
UZ14-215.72-216.1/UP-2	uniaxial compression	Tac	CHn
UZ14-225.9-226.2/UP-1	uniaxial compression	Tac	CHn
UZ14-235.1-235.4/UP-1	uniaxial compression	Tac	CHn
UZ14-240.8-241.12/UP-1	uniaxial compression	Tac	CHn
UZ14-245.5-245.8/UP-1	uniaxial compression	Tac	CHn
UZ14-45.0-45.35/UP-1	uniaxial compression	Tac	CHn
UZ14-85.2-85.6/UP-1	uniaxial compression	Tac	CHn
UZ14-85.2-85.6/UP-2	uniaxial compression	Tac	CHn
UZ14-85.2-85.6/UP-5	uniaxial compression	Tac	CHn
UZ14-85.2-85.6/UP-6	uniaxial compression	Tac	CHn
UZ14-91.0-91.25/UP-1	uniaxial compression	Tac	CHn
UZ14-95.5-95.9/UP-1	uniaxial compression	Tac	CHn
UZ14-96.2-96.6/UP-1	uniaxial compression	Tac	CHn
UZ14-1409.4-1409.8/UP1	uniaxial compression	Tac	CHn
UZ14-1419.5-1419.8/UP1	uniaxial compression	Tac	CHn
UZ14-1461.9-1462.1/UP1	uniaxial compression	Tac	CHn
UZ14-1495.8-1496.0/UP1	uniaxial compression	Tac	CHn
UZ14-1524.55-1524.75/UP1	uniaxial compression	Tac	CHn
UZ14-1563.6-1563.8/UP1,2,3	uniaxial compression	Tac	CHn
UZ14-1564.9-1565.0/UP1	uniaxial compression	Tac	CHn
UZ14-1585.3-1585.6/UP1,5	uniaxial compression	Tac	CHn
UZ14-1644.3-1644.5/UP1	uniaxial compression	Tac	CHn
UZ14-1715.0-1715.3/UP1	uniaxial compression	Tac	CHn
UZ14-1734.5-1734.7/UP1	uniaxial compression	Tac	CHn
UZ14-1735.3-1735.5	uniaxial compression	Tac	CHn
UZ14-1804.5-1804.8	uniaxial compression	Tac	CHn
UZ14-1825.8-1826.0	uniaxial compression	Tac	CHn
UZ14-1854.9-1855.1	uniaxial compression	Tac	CHn
UZ14-1865.7-1865.9	uniaxial compression	Tac	CHn
UZ14-2014.7-2014.9	uniaxial compression	Tac	CHn
UZ14-2015.2-2025.7	uniaxial compression	Tac	CHn
UZ14-2025.1-2025.3	uniaxial compression	Tac	CHn
UZ14-2095.1-2095.8	uniaxial compression	Tac	CHn
UZ14-2104.05/well bottom		Tch	CFu
UZ16			
UZ16-1166.19-1166.47/UP-1	uniaxial compression	below repository horizon	TSw
UZ16-1206.33-1206.67/UP-1	uniaxial compression		CHn
UZ16-1227.35-1227.7/UP-1	uniaxial compression		CHn
UZ16-1227.35-1227.7/UP-2	uniaxial compression		CHn
UZ16-1227.35-1227.7/UP-3	uniaxial compression		CHn
UZ16-1227.35-1227.7/UP-4	uniaxial compression		CHn
UZ16-1235.1-1235.4/UP-1	uniaxial compression		CHn
UZ16-1269.6-1269.95/UP-1	uniaxial compression		CHn
UZ16-1269.6-1269.95/UP-3	uniaxial compression		CHn
UZ16-1269.6-1269.95/UP-4	uniaxial compression		CHn
UZ16-1280.37-1280.75/UP-1	uniaxial compression		CHn
UZ16-1280.37-1280.75/UP-2	uniaxial compression		CHn
UZ16-1280.37-1280.75/UP-3	uniaxial compression		CHn
UZ16-1280.37-1280.75/UP-4	uniaxial compression		CHn
UZ16-1296.8-1297.06/UP-1	uniaxial compression		CHn
UZ16-1317.86-1318.24/UP-1	uniaxial compression		CHn
UZ16-1358.05-1358.4/UP-1	uniaxial compression		CHn
UZ16-1389.36-1389.64/UP-3	uniaxial compression		CHn
UZ16-1395.5-1395.7/UP-1	uniaxial compression		CHn
UZ16-1398.5-1398.7/UP-1	uniaxial compression		CHn
UZ16-1412.9-1413.2/UP-1	uniaxial compression		CHn
UZ16-1412.9-1413.2/UP-2	uniaxial compression		CHn
UZ16-1412.9-1413.2/UP-3	uniaxial compression		CHn
UZ16-1412.9-1413.2/UP-4	uniaxial compression		CHn
UZ16-1412.9-1413.2/UP-5	uniaxial compression		CHn
UZ16-1428.1-1428.4/UP-1	uniaxial compression		CHn
UZ16-1428.1-1428.4/UP-2	uniaxial compression		CHn
UZ16-1428.1-1428.4/UP-3	uniaxial compression		CHn

UZ16-1428.1-1428.4/UP-4	uniaxial compression		Tac	CHn
UZ16-1428.1-1428.4/UP-5	uniaxial compression		Tac	CHn
UZ16-1442.89-1443.22/UP-6	uniaxial compression		Tac	CHn
UZ16-1486.9-1487.3/UP-1	uniaxial compression		Tcpv	CHn
UZ16-1643.4-1647.2/UP1	uniaxial compression		Tcpl	CHn
UZ16-1343.7-1344.0/UP-1	uniaxial compression		Tac	CHn
UZ16-1379.6-1379.9/UP-1	uniaxial compression		Tac	CHn
UZ16-1397.7-1398.0/UP-1	uniaxial compression		Tac	CHn
UZ16-1408.2-1408.6/UP-1	uniaxial compression		Tac	CHn
UZ16-1434.2-1434.6/UP-1	uniaxial compression		Tac	CHn
UZ16-groundwater#1/1609.0-1614.0		groundwater	Tcpm	CHn
UZ16-groundwater#2/1609.0-1614.0		groundwater	Tcpm	CHn
UZ16-groundwater#3/1609.0-1614.0		groundwater	Tcpm	CHn
UZ16-groundwater#1/1649.3-1659.2		groundwater	Tcpl	CHn
UZ16-groundwater#2/1649.3-1659.2		groundwater	Tcpl	CHn
UZ16-groundwater/1649.3-1686.2		groundwater	Tcpl	CHn
UZ16-1601.1-1601.5/UP-1	uniaxial compression		Tcpm	CHn
UZ16-1607.7-1608.05/UP-1	uniaxial compression		Tcpm	CHn
UZ16-163.5-163.85/UP-1	uniaxial compression		Tpbt4	PTn
UZ16-1646.4-1647.2/UP-1	uniaxial compression		Tcpl	CHn
UZ16-1651.6-1651.7/UP-1	uniaxial compression		Tcpl	CHn
UZ16-180.9-181.27/UP-4	uniaxial compression		Tpbt3	PTn
UZ16-952.6-952.9/UP-1	uniaxial compression		Tptpn	TSw
UZN55				
UZN55-166.1-166.42/UP-1	uniaxial compression		Tpc_un	TCw
UZN55-195.27-195.47/UP-4	uniaxial compression		Tpcpv1	PTn
UZN55-198.97-199.45/UP-2	uniaxial compression		Tpcpv1	PTn
UZ-7A				
UZ-7A/203.3-203.7 UP-2	uniaxial compression		Tpbt4	PTn
UZ-7A/220.2-220.5 UP-1	uniaxial compression		Tpbt2	PTn
UZ-7A/241.4-241.7 UP-2	uniaxial compression		Tpbt3	PTn
UE-25 ONC #1				
UE-25 ONC #1		perched water	below Tac	CHn
USW G-2				
USW G-2		perched water	Tac	CHn
J-13		miscellaneous		
J-13 + LiBr added		miscellaneous		
USW VH-1		miscellaneous		
USW VH-1		miscellaneous		
USW WT-3				
USW WT-17				
USW WT-1				
USW WT-7				
USW WT-10				

Source for the identification of perched waters in column C is DTN: GS951208312272.004 and Table 6 of MOL.20000104.0003

DTN Number or Source	status	pH	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	Cl (mg/L)
GS020408312272.003	Q	7.26	120.00	12.50	35.10	240.00	29.00
GS020408312272.003	Q	6.99	89.00	9.70	15.40	85.00	21.00
GS020408312272.003	Q	6.72	68.00	17.00	22.90	190.00	66.00
GS020408312272.003	Q	7.96	57.00	10.30	19.30	120.00	54.00
GS020408312272.003	Q	7.50	67.00	10.40	10.60	81.00	22.00
GS020408312272.003	Q		91.00	13.70	33.00	230.00	64.00
GS020408312272.003	Q	7.64	70.00	8.50	12.90	130.00	73.00
GS020408312272.003	Q	7.37	53.00	6.60	11.90	92.00	20.00
GS020408312272.003	Q	8.05	59.00	5.90	13.10	63.00	32.00
GS031008312272.008	Q		90.00	8.70	17.70	142.00	25.00
GS031008312272.008	Q	7.40	127.00	13.00	28.10	229.00	66.00
GS020408312272.003	Q	7.50	140.00	13.60	25.80	210.00	53.00
GS020408312272.003	Q	7.73	79.00	6.90	14.00	110.00	37.00
GS020408312272.003	Q	7.09	84.00	7.10	22.60	170.00	30.00
GS020408312272.003	Q	7.09	66.00	6.20	13.60	98.00	19.00
GS031008312272.008	Q	8.00	64.00	13.50	21.60	105.00	48.00
GS020408312272.003	Q	7.62	39.00	7.60	18.10	94.00	21.00
GS031008312272.008	Q		72.00	18.70	53.50	275.00	29.00
GS031008312272.008	Q	7.30	79.00	21.30	54.10	280.00	18.00
GS020408312272.003	Q	7.83	47.00	9.90	21.90	120.00	22.00
GS030408312272.002	Q		110.00	24.80	44.20	240.00	29.00
GS030408312272.002	Q	7.10	110.00	9.00	23.30	170.00	17.00
GS030408312272.002	Q		130.00	8.80	6.30	96.00	33.00
GS020408312272.003	Q	7.50	83.00	13.70	23.50	160.00	25.00
GS020408312272.003	Q	7.70	79.00	11.20	7.90	55.00	50.00
GS020808312272.004	UN-Q	8.10	120.00	11.10	16.40	130.00	97.00
GS031008312272.008	Q		204.00	20.30	7.10	170.00	38.00
GS031008312272.008	Q	7.80	116.00	11.10	2.80	88.00	20.00
GS020408312272.003	Q	7.35	120.00	6.10	3.30	81.00	24.00
GS020408312272.003	Q	7.35	130.00	10.60	5.30	82.00	26.00
GS020408312272.003	Q	7.56	83.00	6.90	8.30	98.00	27.00
GS020808312272.004	UN-Q	8.00	74.00	9.10	10.10	87.00	24.00
GS020408312272.003	Q	7.90	98.00	12.50	10.20	73.00	23.00
GS020808312272.004	UN-Q	8.20	96.00	12.70	9.30	65.00	20.00
GS020808312272.004	UN-Q		110.00	11.20	10.80	58.00	45.00
GS020808312272.004	UN-Q	6.70	47.00	8.10	26.90	150.00	233.00
GS041108312272.005	Q	7.10	74.00	15.10	43.30	231.00	337.00
GS031008312272.008	Q	7.30	56.00	12.70	40.50	199.00	234.00
GS041108312272.005	Q	7.20	61.00	14.60	33.40	179.00	234.00
GS961108312271.002	Q	5.50	43.00		24.00	125.00	170.00
GS031008312272.008	Q	7.40	46.00	8.40	21.50	121.00	143.00
GS020808312272.004	UN-Q	7.90	27.00	7.10	20.90	120.00	127.00
GS961108312271.002	Q	6.80	36.00		13.00	72.00	93.00
GS970908312271.003	Q	6.80	55.00		18.00	95.00	138.00
GS970908312271.003	Q	8.50	66.00		15.00	91.00	144.00
GS970908312271.003	Q	7.50	95.00		9.50	43.00	64.00
GS970908312271.003	Q	7.20	53.00		8.00	44.00	40.00
GS031008312272.008	Q	7.60	36.00	2.60	6.10	33.00	27.00
Preliminary	UN-Q	8.30	59.00	10.00	5.60	43.80	53.30
GS020808312272.004	UN-Q		61.00	6.30	6.90	66.00	76.00
Preliminary	UN-Q	8.50	67.90	11.90	7.50	61.80	61.80
Preliminary	UN-Q	8.50	44.20	5.80	6.50	50.20	43.80
GS020408312272.003	Q		72.00	8.40	9.00	81.00	46.00
GS020408312272.003	Q	7.90	84.00	7.90	0.90	56.00	23.00
GS020408312272.003	Q	7.90	61.00	5.40	0.60	27.00	26.00
GS041108312272.005	Q	7.60	68.00	8.80	<0.5	21.00	32.00
GS020808312272.004	UN-Q	7.60	110.00	8.10	7.10	72.00	
GS041108312272.005	Q	7.70	81.00	12.80	<0.6	34.00	32.00
GS020808312272.004	UN-Q	7.70	92.00	7.60	1.90	44.00	44.00
GS030408312272.002	Q	8.20	59.00	4.80	0.70	19.00	23.00
GS020808312272.004	UN-Q	7.90	62.00	5.40	<0.4	24.00	16.00
GS060908312272.004	Q		69.80	8.60	0.27	18.40	42.40
GS041108312272.005	Q	7.90	67.00	8.00	0.50	18.00	17.00
GS020808312272.004	UN-Q	7.50	100.00	8.40	4.90	51.00	77.00
GS020808312272.004	UN-Q	7.50	81.00	7.70	2.50	42.00	61.00
GS041108312272.005	Q	7.90	67.00	6.40	0.60	23.00	29.00
GS041108312272.005	Q	7.60	69.00	6.90	0.60	23.00	35.00
GS041108312272.005	Q		95.00	11.30	2.30	37.00	65.00
GS020808312272.004	UN-Q	7.20	130.00	9.50	7.50	73.00	133.00

GS030408312272.002	Q	8.10	57.00	5.40	<0.4	2.40	8.60
GS961108312271.002	Q	7.30	112.00		0.00	6.90	15.70
GS951208312272.004	Q	8.60	98.00		0.20	2.90	5.60
GS031008312272.008	Q	8.10	85.00	5.40	<0.4	0.75	11.00
GS961108312271.002	Q	7.40	112.00		0.10	0.80	15.60
GS961108312271.002	Q	8.30	136.60		0.00	0.40	50.20
GS961108312271.002	Q	8.10	164.00		0.00	0.70	42.00
GS031008312272.008	Q	8.10	93.00	4.50	<0.4	<0.4	25.00
GS961108312271.002	Q	8.70	125.00		0.00	0.20	19.00
GS961108312271.002	Q	8.40	74.00		0.00	0.20	15.00
GS041108312272.005	Q	8.00	92.00	3.20	<0.9	1.60	21.00
GS031008312272.008	Q	8.30	171.00	9.10	<0.4	6.70	25.00
GS041108312272.005	Q	7.90	36.00	2.60	<0.26	0.68	6.70
GS041108312272.005	Q	7.60	39.00	2.40	<0.25	0.43	6.40
GS961108312271.002	Q	9.30	180.70		0.00	0.80	32.30
GS020408312272.003	Q	7.90	67.00	6.90	1.60	19.00	31.00
GS020808312272.004	UN-Q	7.50	64.00	8.60	<0.8	22.00	41.00
GS020808312272.004	UN-Q	7.40	59.00	9.10	<0.8	21.00	39.00
GS020808312272.004	UN-Q	7.80	53.00	8.20	<0.8	20.00	35.00
GS020808312272.004	UN-Q	9.30	47.00	7.20	<0.8	16.00	26.00
GS020808312272.004	UN-Q	8.30	55.00	8.40	<0.8	16.00	32.00
GS961108312271.002	Q	7.40	31.70		5.60	55.30	38.90
GS961108312271.002	Q	8.20	82.00		3.70	43.00	53.60
GS951208312272.004	Q	8.70	42.00		0.00	3.00	7.00
GS961108312271.002	Q	7.90	94.00		0.60	61.00	33.10
GS961108312271.002	Q	7.50	73.20		0.50	28.70	50.00
GS961108312271.002	Q	7.90	74.70		0.30	30.60	39.00
GS031008312272.008	Q	7.30	29.00	1.40	1.10	5.10	3.60
GS031008312272.008	Q		39.00	1.50	1.20	5.50	4.60
GS031008312272.008	Q		51.00	3.60		15.00	34.00
GS031008312272.008	Q		47.00	3.50	3.40	14.00	42.00
GS031008312272.008	Q		47.00	3.70	3.60	15.00	41.00
GS020808312272.004	UN-Q	8.40	100.00	5.20	5.30	17.00	27.00
GS020808312272.004	UN-Q	7.60	83.00	3.00	7.00	24.00	24.00
GS020808312272.004	UN-Q	8.00	73.00	3.10	11.40	43.00	28.00
GS020808312272.004	UN-Q		120.00	12.70	<1.0	25.00	38.00
GS031008312272.008	Q		68.00	13.80	38.20	303.00	123.00
GS031008312272.008	Q		55.00	10.80	22.90	105.00	134.00
GS031008312272.008	Q	7.50	55.00	9.60	23.10	108.00	113.00
GS031008312272.008	Q		125.00	23.60	41.60	183.00	176.00
GS031008312272.008	Q						122.00
GS031008312272.008	Q		52.00	9.20	19.70	89.00	119.00
GS031008312272.008	Q	7.70	47.00	9.30	19.60	90.00	109.00
GS020808312272.004	UN-Q		69.00	19.20	12.00	73.00	69.00
GS020808312272.004	UN-Q		100.00	22.40	23.30	170.00	133.00
GS020808312272.004	UN-Q	8.00	97.00	24.70	35.50	230.00	110.00
GS020808312272.004	UN-Q	7.60	81.00	21.20	29.00	190.00	97.00
GS060908312272.004	Q		161.00	30.60	38.20	268.00	180.00
GS030408312272.002	Q	7.60	53.00	8.40	18.00	82.00	71.00
GS030408312272.002	Q		69.00	10.70	16.50	84.00	45.00
GS030408312272.002	Q		63.00	10.90	12.70	56.00	48.00
GS030408312272.002	Q		66.00	13.60	11.60	57.00	79.00
GS041108312272.005	Q	7.90	51.00	6.90	3.40	17.00	27.00
GS041108312272.005	Q	7.90	39.00	5.20	2.00	13.00	27.00
GS041108312272.005	Q		61.00	7.90	4.20	26.00	58.00
GS041108312272.005	Q		108.00	18.30	9.60	49.00	66.00
GS041108312272.005	Q		103.00	15.20	11.50	63.00	83.00
GS041108312272.005	Q		89.00	15.70	9.20	46.00	66.00
GS041108312272.005	Q		85.00	13.10	10.80	55.00	63.00
GS031008312272.008	Q		45.00	6.40	6.10	29.00	41.00
GS031008312272.008	Q	7.60	40.00	5.30	5.40	28.00	41.00
GS031008312272.008	Q	7.90	96.00	14.00	8.60	62.00	107.00
GS031008312272.008	Q		116.00	19.70	11.00	51.00	34.00
GS031008312272.008	Q	8.00	66.00	8.80	1.50	21.00	30.00
GS031008312272.008	Q	7.80	30.00	4.90	1.20	6.90	12.00
GS031008312272.008	Q		51.00	14.20	9.80	73.00	82.00
GS031008312272.008	Q		48.00	14.10	7.80	60.00	65.00
GS031008312272.008	Q		42.00	13.60	7.60	58.00	58.00
GS031008312272.008	Q	7.70	45.00	14.40	7.90	62.00	67.00

GS031008312272.008	Q	7.90	37.00	14.50	9.90	72.00	69.00
GS031008312272.008	Q		47.00	13.70	9.00	69.00	84.00
GS031008312272.008	Q		44.00	13.20	9.10	71.00	82.00
GS060908312272.004	Q		123.00	13.80	16.70	59.90	146.00
GS060908312272.004	Q		110.00	17.10	17.80	143.00	128.00
GS060908312272.004	Q		103.00	14.60	17.40	48.70	131.00
GS060908312272.004	Q		86.70	16.90	8.20	89.00	86.50
GS060908312272.004	Q		101.00	15.70	17.20	113.00	133.00
MO0005PORWATER.000	Q	7.79	61.00	6.00	25.70	98.00	123.00
MO0005PORWATER.000	Q	8.32	61.00	7.00	16.60	106.00	110.00
MO0005PORWATER.000	Q	8.31	62.00	9.00	17.40	97.00	123.00
GS981008312272.004	Q	8.40	96.00		0.00	4.90	34.00
GS981008312272.004	Q	8.10	121.00		0.10	5.50	31.00
GS981008312272.004	Q	8.70	103.00		0.00	4.20	16.00
GS011008312272.004	Q	8.40	117.00	9.60	< 0.1	6.90	29.20
GS011008312272.004	Q	8.70	133.00	11.20	0.20	5.80	30.40
GS011008312272.004	Q	8.10	114.00	8.70	< 0.1	4.20	32.30
GS011008312272.004	Q	8.70	114.00	8.00	< 0.1	3.70	18.50
GS011008312272.004	Q	8.80	105.00	7.80	0.30	2.70	19.90
GS011008312272.004	Q	7.50	90.20	5.90	0.20	2.30	11.40
GS011008312272.004	Q	7.80	89.90	5.10	0.20	2.70	17.40
GS011008312272.004	Q	7.70	149.00	9.80	0.40	7.60	82.50
GS011008312272.004	Q	7.60	124.00	7.80	0.30	6.50	47.20
GS011008312272.004	Q	7.80	72.10	5.80	< 0.1	2.10	11.90
GS011008312272.004	Q	7.60	85.10	6.70	0.40	11.10	47.90
GS011008312272.004	Q	7.40	45.20	5.80	0.20	7.80	10.00
GS011008312272.004	Q	7.60	48.20	6.40	< 0.1	8.00	14.90
GS011008312272.004	Q	7.40	58.00	6.70	0.60	15.90	35.80
GS011008312272.004	Q	7.60	76.80	8.00	2.70	34.60	30.40
GS011008312272.004	Q	7.10	52.50	4.80	1.10	18.80	23.70
GS011008312272.004	Q	9.10	109.00	6.10	< 0.1	2.20	16.30
GS011008312272.004	Q	7.50	93.40	4.80	0.40	2.10	22.00
GS011008312272.004	Q	8.70	51.10	1.50	< 0.1	0.30	7.30
GS011008312272.004	Q	8.30	82.90	2.70	< 0.1	0.60	8.40
GS011008312272.004	Q	9.20	120.00	3.20	< 0.1	0.50	9.20
GS011008312272.004	Q	7.50	105.00	3.50	0.20	0.90	15.10
GS011008312272.004	Q	9.40	113.00	2.60	< 0.1	0.30	10.30
GS011008312272.004	Q	7.30	93.00	2.80	< 0.1	0.60	14.90
GS011008312272.004	Q	7.70	97.90	2.50	< 0.1	1.10	10.10
GS011008312272.004	Q	7.70	112.00	2.60	< 0.1	0.90	7.60
GS011008312272.004	Q	9.50	114.00	3.20	< 0.1	0.50	13.60
GS011008312272.004	Q	9.30	106.00	2.80	< 0.1	1.10	17.30
GS011008312272.004	Q	7.10	99.10	2.40	0.40	1.60	20.50
GS011008312272.004	Q	7.30	64.90	3.60	< 0.1	5.70	12.30
GS011008312272.004	Q	7.50	81.60	4.30	< 0.1	5.50	12.90
GS011008312272.004	Q	7.70	56.30	4.00	1.40	20.60	9.60
GS011008312272.004	Q	7.80	84.60	12.00	1.10	11.40	18.40
GS011008312272.004	Q	7.70	64.40	5.60	1.70	25.40	16.90
GS011008312272.004	Q	7.30	63.00	4.20	1.80	27.20	26.90
GS961108312271.002	Q	7.40	20.00		15.00	110.00	77.20
GS961108312271.002	Q	7.20	67.00		0.60	31.00	28.90
GS961108312271.002	Q	7.20	57.60		0.90	38.70	30.10
GS961108312271.002	Q	7.20	43.00		0.90	39.00	25.10
GS970908312271.003	Q	6.70	39.00		0.20	289.00	133.00
GS000608312271.001	Q	7.20	79.00		< 1	40.20	65.00
GS000608312271.001	Q	9.00	158.00		< 1	< 1	83.00
GS000608312271.001	Q	8.70	152.00		< 1	< 1	22.00
GS981008312272.004	Q	7.80	59.00		0.60	23.00	31.00
GS970908312271.003	Q	8.70	206.00		0.20	0.00	18.00
GS970908312271.003	Q	8.80	251.00		0.30	0.00	22.00
GS970908312271.003	Q	9.20	173.00		0.00	0.00	15.00
GS970908312271.003	Q	9.20	164.00		0.00	0.00	18.00
GS970908312271.003	Q	9.00	148.00		0.00	0.00	46.00
GS951208312272.004	Q	8.20	46.00		0.10	14.00	4.40
GS951208312272.004	Q	8.10	45.00		0.10	13.00	4.10
GS951208312272.004	Q	8.20	46.00			13.00	4.10
GS951208312272.004	Q	8.00	46.00			13.00	4.10
GS951208312272.004	Q	8.20	45.00			14.00	4.10
GS041108312272.005	Q	7.70	122.00	11.90	23.90	75.00	180.00
GS981008312272.004	Q	8.80	155.00		0.10	4.40	33.00

GS9811008312272.004	Q	8.90	97.00		0.10	1.20	17.00
GS000608312271.001	Q	6.90	21.00		8.00	75.00	60.00
GS000608312271.001	Q	9.10	122.00		<1	1.30	22.00
GS970908312271.003	Q	7.30	27.00		12.70	74.00	46.00
GS970908312271.003	Q	8.50	108.00		0.20	16.00	57.00
GS961108312271.002	Q	7.20	28.60		7.60	48.90	49.60
GS961108312271.002	Q	8.50	89.00		0.00	31.00	55.90
GS961108312271.002	Q	7.60	150.00		0.00	14.00	33.60
GS961108312271.002	Q	9.10	129.00		0.00	2.60	27.80
GS961108312271.002	Q	9.10	129.00		0.00	3.80	15.20
GS961108312271.002	Q	8.70	165.00		0.00	1.40	34.00
GS961108312271.002	Q	8.90	140.00		0.00	1.30	24.00
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GS011008312272.004	Q	8.00	68.50	8.70	11.70	46.40	61.40
GS011008312272.004	Q	7.90	58.70	6.50	11.30	45.80	47.20
GS011008312272.004	Q	7.40	29.80	1.90	10.30	37.90	38.70
GS011008312272.004	Q	7.50	51.00	3.40	7.70	36.30	39.10
GS981008312272.004	Q	7.50	56.80		9.40	46.00	43.00
GS981008312272.004	Q	7.50	53.20		11.20	55.20	27.00
GS981008312272.004	Q	7.40	51.60		12.00	62.40	33.00
GS031008312272.008	Q	7.70	51.00	1.50	9.90	50.00	27.00
GS031008312272.008	Q		52.00	1.60	9.20	45.00	25.00
GS011008312272.004	Q	7.40	54.00	3.80	8.70	46.30	45.80
GS011008312272.004	Q	7.50	60.70	4.30	9.40	43.00	33.80
GS011008312272.004	Q	7.40	65.50	4.00	11.70	48.20	47.30
GS011008312272.004	Q	7.30	44.90	2.60	12.30	61.40	66.80
GS011008312272.004	Q	7.30	53.40	1.70	16.10	62.70	60.60
GS011008312272.004	Q	7.40	48.30	2.40	24.60	125.10	20.30
GS011008312272.004	Q	8.10	59.00	6.00	9.90	43.70	26.30
GS011008312272.004	Q	7.70	98.90	8.30	2.60	65.80	98.70
GS011008312272.004	Q	7.50	47.70	2.10	0.60	38.00	16.50
GS011008312272.004	Q	7.60	67.00	2.40	1.80	62.40	66.00
GS011008312272.004	Q	7.90	65.20	3.50	0.20	22.10	19.10
GS011008312272.004	Q	7.40	59.30	2.50	0.30	42.40	18.90
GS011008312272.004	Q	7.70	62.60	2.30	0.40	50.50	18.70
GS011008312272.004	Q	7.40	67.60	4.70	0.70	35.20	46.90
GS011008312272.004	Q	7.50	72.20	5.10	0.80	24.10	37.90
GS011008312272.004	Q	8.30	78.60	3.20	0.70	42.20	58.80
GS011008312272.004	Q	7.60	159.00	9.30	< 0.1	10.00	49.00
GS011008312272.004	Q	7.40	92.60	7.50	< 0.1	3.80	13.60
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GS0703PA312272.001	UN-Q		32.50	4.21	0.91	23.50	8.99
GS0703PA312272.001	UN-Q		51.40	6.81	1.05	28.80	15.00
GS0703PA312272.001	UN-Q		61.00	7.68	1.44	34.10	20.40
GS0703PA312272.001	UN-Q		38.00	5.77	0.76	20.70	4.98
GS0703PA312272.001	UN-Q		36.80	6.06	0.73	16.50	6.89
GS0703PA312272.001	UN-Q		39.80	6.03	0.91	20.10	7.20
GS0703PA312272.001	UN-Q		45.50	6.21	0.85	20.20	6.42
GS0703PA312272.001	UN-Q		70.80	7.33	0.88	33.00	23.30
GS0703PA312272.001	UN-Q		89.10	8.32	0.82	38.40	38.30
GS0703PA312272.001	UN-Q		50.50	6.07	0.51	19.80	14.00
GS0703PA312272.001	UN-Q		52.90	5.90	0.81	28.70	15.70
GS0703PA312272.001	UN-Q		50.90	7.27	0.72	25.40	15.30
GS0703PA312272.001	UN-Q		36.50	4.10	0.35	16.70	7.79
GS0703PA312272.001	UN-Q		46.90	5.63	0.59	23.40	11.50
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GS0703PA312272.001	UN-Q		64.20	6.14	0.88	29.90	23.80
GS0703PA312272.001	UN-Q		75.60	6.04	1.01	38.20	37.30
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Preliminary	UN-Q		173.00	5.10		15.00	16.00
Preliminary	UN-Q	7.85	132.00	5.70	1.60	21.00	10.00
GS041108312272.005	Q	7.70	126.00	3.10	<0.26	2.60	11.00
GS041108312272.005	Q	7.30	153.00	4.40	<0.25	4.40	17.00
GS041108312272.005	Q	8.10	164.00	3.70	0.46	8.30	14.00
GS041108312272.005	Q	7.70	144.00	2.80	0.30	6.30	16.00
GS041108312272.005	Q	7.40	127.00	2.40	0.28	4.80	13.00
GS041108312272.005	Q	7.20	127.00	6.90	3.70	36.00	20.00
GS041108312272.005	Q	7.30	49.00	3.10	1.90	17.00	8.70
GS041108312272.005	Q	7.20	87.00	7.00	4.30	38.00	34.00
GS041108312272.005	Q	7.20	78.00	5.90	4.00	32.00	27.00
GS041108312272.005	Q	7.40	73.00	5.70	4.20	35.00	21.00
GS041108312272.005	Q	7.40	61.00	4.90	3.90	35.00	15.00
GS041108312272.005	Q	7.10	57.00	4.20	3.20	27.00	18.00
GS041108312272.005	Q	7.50	166.00	4.10	0.91	15.00	87.00
GS041108312272.005	Q	7.50	103.00	6.20	3.60	43.00	21.00

GS041108312272.005	Q	7.70	195.00	5.20	0.70	14.00	18.00
GS060808312272.003	Q	7.10	68.60	9.21	9.19	48.07	45.89
GS060808312272.003	Q	7.70	73.30	9.37	4.34	24.58	26.70
GS060808312272.003	Q	7.10	56.80	6.41	3.88	33.96	20.69
GS060808312272.003	Q	7.60	31.00	3.75	2.26	13.06	9.83
GS060808312272.003	Q	7.70	35.50	4.20	2.79	16.13	9.59
GS060808312272.003	Q	7.80	34.20	4.00	2.66	15.36	10.38
GS060808312272.003	Q	7.50	46.90	5.43	3.36	19.53	23.62
GS060808312272.003	Q	6.90	42.60	5.01	4.41	27.93	19.79
GS060808312272.003	Q	8.00	38.10	4.59	3.32	19.88	9.77
GS060808312272.003	Q	7.60	33.30	4.23	2.91	17.40	10.63
GS060808312272.003	Q	7.70	104.00	10.80	4.46	24.79	86.16
GS060808312272.003	Q	7.20	35.50	4.24	2.98	17.42	16.63
GS060808312272.003	Q	7.83	219.00	4.89	0.93	19.02	16.73
GS060808312272.003	Q	8.20	128.00	2.84	0.26	5.78	9.78
GS060808312272.003	Q	8.16	173.00	3.67	0.57	11.62	21.09
GS060808312272.003	Q	7.71	98.90	5.48	4.85	56.00	31.12
GS060808312272.003	Q	7.90	80.30	5.17	3.14	33.40	45.18
GS060808312272.003	Q	7.99	58.20	3.58	2.51	32.00	13.18
GS060808312272.003	Q	8.18	63.00	3.91	3.63	37.30	14.28
GS060808312272.003	Q	7.81	53.10	3.38	2.21	26.80	11.56
GS060808312272.003	Q	7.90	51.70	3.19	2.26	28.30	8.79
GS060808312272.003	Q	6.52	44.10	3.97	3.25	25.10	23.12
GS060808312272.003	Q	7.18	56.50	4.13	2.79	26.90	18.82
Preliminary	UN-Q					37.60	23.40
Preliminary	UN-Q					37.20	24.60
Preliminary	UN-Q					42.60	29.20
Preliminary	UN-Q					43.10	42.50
Preliminary	UN-Q					35.50	11.70
Preliminary	UN-Q					29.30	11.70
Preliminary	UN-Q					34.70	13.40
Preliminary	UN-Q					9.60	17.30
Preliminary	UN-Q					18.90	31.20
Preliminary	UN-Q					15.20	28.50
GS041108312272.005	Q		67.00	4.20	2.20	21.00	11.00
GS041108312272.005	Q		67.00	4.30	2.20	21.00	11.00
GS041108312272.005	Q		68.00	4.50	2.30	22.00	11.00

Preliminary	UN-Q		30.90	18.70	12.20	35.00	49.70
Preliminary	UN-Q		29.90	18.20	11.20	31.70	41.10
Preliminary	UN-Q		34.30	20.60	12.60	36.40	44.80
Preliminary	UN-Q		32.70	19.60	11.50	33.80	43.20
Preliminary	UN-Q		38.80	16.20	12.60	33.90	57.30
Preliminary	UN-Q		44.80	12.70	9.62	29.40	64.10
Preliminary	UN-Q		54.70	12.80	11.10	36.70	87.80
Preliminary	UN-Q		62.20	16.70	13.70	56.90	106.00
Preliminary	UN-Q		70.80	20.20	24.40	88.40	125.00
Preliminary	UN-Q		63.20	18.80	27.80	81.50	103.00
GS000508312322.005	UN-Q	7.80	66.00	2.60	0.30	15.00	7.80
GS000508312322.005	UN-Q	7.40	45.00	5.00	0.80	10.00	8.20
GS000508312322.005	UN-Q						

GS010708312272.002	Q	6.40	35.60		23.30	122.00	185.00
GS961108312271.002	Q	7.00	35.00		18.00	104.00	148.00
GS010708312272.002	Q	7.00	29.20		11.50	70.50	58.00
GS010708312272.002	Q	6.60	29.40		8.60	49.20	47.00
GS010708312272.002	Q	7.00	99.30		4.20	24.30	77.00
GS961108312271.002	Q	6.60	72.00		4.90	33.00	49.00
GS961108312271.002	Q	6.70	215.00		19.00	176.00	115.00

GS951208312272.004	Q	7.00	39.00		1.80	23.00	7.90
GS951208312272.004	Q	7.80	38.00	3.90	1.80	24.00	9.10
GS951208312272.004	Q	8.10	40.00	4.40	2.70	31.00	8.30
GS951208312272.004	Q	8.30	88.00	5.80	4.10	45.00	16.00
GS951208312272.004	Q		40.00		3.10	37.00	7.20
GS951208312272.004	Q		35.00		2.40	30.00	7.00
GS951208312272.004	Q		34.00		2.10	27.00	6.70
GS951208312272.004	Q	7.80	35.00		2.50	31.00	7.00
GS010708312272.002	Q	7.00	41.30		13.80	51.10	44.00
GS010708312272.002	Q	7.10	37.50		13.60	53.00	46.00
GS010708312272.002	Q	7.70	21.70		10.70	46.00	29.00
GS010708312272.002	Q	7.50	10.90		10.80	43.60	28.00
GS010708312272.002	Q	6.60	35.90		10.50	49.00	61.00
GS010708312272.002	Q		67.00		3.70	43.00	98.00
GS010708312272.002	Q		49.00		4.50	62.00	87.00

GS010708312272.002	Q		45.00	5.10	74.00	130.00
GS010708312272.002	Q	6.90	56.20	14.30	68.50	83.00
GS010708312272.002	Q	7.70	48.20	12.00	65.50	77.00
GS010708312272.002	Q	6.90	51.60	11.50	54.80	83.00
GS010708312272.002	Q		207.00	0.50	3.60	20.00
GS010708312272.002	Q		129.00	0.20	1.30	16.00
GS010708312272.002	Q	9.70	106.80	0.30	0.90	14.00
GS010708312272.002	Q		87.80	0.30	1.00	18.00
GS010708312272.002	Q		58.00	0.60	1.80	10.00
GS010708312272.002	Q		115.80	1.10	1.40	21.00
GS010708312272.002	Q	6.50	48.70	11.30	67.80	100.00
GS010708312272.002	Q	6.80	49.10	10.60	64.00	97.00
GS010708312272.002	Q	6.80	39.40	10.70	65.50	85.00
GS010708312272.002	Q	7.90	48.40	10.40	58.60	93.00
GS010708312272.002	Q	7.10	29.00	10.50	67.00	84.00
GS010708312272.002	Q	7.60	103.00	1.00	32.00	99.00
GS010708312272.002	Q	6.80	9.00	12.00	65.00	77.00
GS010708312272.002	Q	8.60	249.30	6.10	19.60	245.00
GS010708312272.002	Q	6.90	43.50	13.20	49.90	60.00
GS010708312272.002	Q	7.10	42.90	13.80	52.80	58.00
GS010708312272.002	Q	7.90	12.70	14.40	54.60	38.00
GS010708312272.002	Q	7.00	32.00	11.90	57.30	45.00
GS010708312272.002	Q	7.60	37.10	10.10	40.70	47.00
GS010708312272.002	Q	7.20	38.10	13.20	53.30	79.00
GS010708312272.002	Q	6.90	33.60	12.70	46.90	59.00
GS990208312272.001	Q	7.80	88.00	0.70	30.00	75.00
GS990208312272.001	Q	8.30	68.00	0.60	20.00	24.00
GS990208312272.001	Q	7.60	128.00	0.10	9.20	24.20
GS990208312272.001	Q	8.40	122.00	0.00	2.10	28.00
GS990208312272.001	Q	7.70	137.00	0.10	1.10	26.20
GS990208312272.001	Q	8.70	155.00	0.20	1.20	16.00
GS990208312272.001	Q	8.30	169.00	0.50	1.70	23.00
GS990208312272.001	Q	9.30	85.00	0.50	1.20	11.00
GS990208312272.001	Q	8.80	110.00	0.70	2.20	14.00
GS990208312272.001	Q	7.30	88.00	0.00	0.20	11.90
GS990208312272.001	Q	8.70	184.00	0.30	2.00	39.40
GS961108312271.002	Q	9.00	158.00	0.00	1.70	37.40
GS961108312271.002	Q	8.00	111.00	0.20	0.50	25.10
GS961108312271.002	Q	9.40	138.00	0.10	0.60	23.50
GS961108312271.002	Q	8.00	107.00	0.20	0.50	18.80
GS961108312271.002	Q	8.60	115.00	0.00	0.30	17.30
GS961108312271.002	Q	9.30	392.00	0.20	3.20	32.10
GS961108312271.002	Q	9.40	312.70	0.00	0.90	23.20
GS961108312271.002	Q	9.10	414.00	0.20	4.00	36.50
GS961108312271.002	Q	8.80	112.80	0.00	0.00	30.00
GS010708312272.002	Q		143.00	0.70	2.10	10.00
GS010708312272.002	Q	8.10	83.60	13.70	28.90	82.00
GS010708312272.002	Q	7.20	48.50	11.70	39.80	43.00
GS010708312272.002	Q	7.80	47.90	6.20	26.50	24.00
GS010708312272.002	Q	8.10	46.20	6.00	26.40	19.00
GS010708312272.002	Q	7.60	43.80	4.70	19.00	17.00
GS010708312272.002	Q	8.50	41.60	4.80	19.40	36.00
GS010708312272.002	Q	7.70	51.30	7.90	33.50	52.00
GS010708312272.002	Q	8.50	67.50	2.40	14.10	27.00
GS010708312272.002	Q	8.60	56.70	1.40	8.70	21.00
GS010708312272.002	Q	9.10	56.40	1.60	9.40	17.00
GS010708312272.002	Q	7.40	78.60	2.90	15.00	19.00
GS010708312272.002	Q	7.80	97.20	4.10	23.30	37.00
GS010708312272.002	Q	8.80	92.00	3.70	20.50	28.00
GS010708312272.002	Q	8.80	80.50	2.40	10.10	22.00
GS010708312272.002	Q	7.50	98.20	19.70	32.40	50.00
GS010708312272.002	Q	7.20	60.10	5.10	20.60	32.00
GS010708312272.002	Q	7.50	76.70	0.30	3.40	22.80
GS010708312272.002	Q	9.40	114.60	0.90	3.60	23.50
GS010708312272.002	Q	8.00	155.00	0.30	5.40	17.00
GS010708312272.002	Q	7.80	145.00	0.40	5.00	14.00
GS010708312272.002	Q	7.80	101.00	0.10	1.20	26.00
GS010708312272.002	Q	7.90	110.00	0.10	1.10	32.00
GS010708312272.002	Q	8.90	96.80	0.00	0.70	15.00
GS010708312272.002	Q	9.00	95.00	0.00	0.40	16.00
GS010708312272.002	Q	9.50	90.60	0.00	0.70	15.00
GS010708312272.002	Q	7.90	134.00	0.10	1.90	23.00
GS010708312272.002	Q	8.50	136.00	0.20	2.30	21.00
GS010708312272.002	Q	9.20	134.00	0.10	1.40	18.00

GS010708312272.002	Q	9.20	128.00		0.00	0.90	17.00
GS010708312272.002	Q	9.50	130.00		0.10	1.70	13.00
GS010708312272.002	Q	9.50	79.90		0.80	1.70	18.90
GS010708312272.002	Q	9.90	79.50		0.80	6.30	38.00
GS990208312272.001	Q	9.00	34.00		12.00	91.00	70.00
GS990208312272.001	Q	8.40	99.00		2.40	17.00	56.00
GS990208312272.001	Q	8.60	95.00		0.60	4.40	21.00
GS990208312272.001	Q	8.70	124.00		0.50	5.00	45.00
GS990208312272.001	Q	9.20	104.00		0.30	3.30	20.00
GS990208312272.001	Q	8.50	113.00		0.60	3.20	23.00
GS990208312272.001	Q		79.20		1.60	11.40	10.60
GS990208312272.001	Q		175.10		2.10	19.20	188.00
GS990208312272.001	Q		360.50		2.90	30.10	488.00
GS990208312272.001	Q		76.10		1.80	10.30	13.40
GS990208312272.001	Q		65.40		0.70	8.60	10.60
GS990208312272.001	Q		87.20		1.30	8.40	8.60
GS010708312272.002	Q	9.00	100.00		0.30	10.00	53.00
GS010708312272.002	Q	8.90	108.00		0.30	25.00	71.00
GS010708312272.002	Q	6.80	21.50		13.40	42.50	32.40
GS010708312272.002	Q	9.10	34.00		12.00	91.00	70.00
GS010708312272.002	Q	8.30	66.00		0.30	17.30	27.00
GS010708312272.002	Q	7.30	20.00	3.00	11.00	55.00	38.00
GS010708312272.002	Q	8.20	99.50		13.70	2.20	81.00
GS010708312272.002	Q	7.80	126.90		7.60	28.70	106.80
GS010708312272.002	Q	6.70	18.40		8.60	91.80	77.10
GS010708312272.002	Q	6.70	39.90		9.50	91.20	76.60
GS981008312272.004	Q	7.50	16.60		20.60	115.00	70.00
GS981008312272.004	Q	7.50	18.30		23.10	117.00	87.00
GS981008312272.004	Q	7.10	38.70		21.90	116.00	60.00
GS951208312272.004	Q	8.70	51.00	3.60	1.10	13.00	7.10
GS951208312272.004	UN-Q	7.70	46.00	5.20	0.50	7.90	6.50
GS030408312272.002	Q		43.00	4.50	2.00	13.00	6.90
GS030408312272.002	Q		43.80	4.60	1.90	12.00	6.70
GS030408312272.002	Q		73.00	1.90	1.50	10.00	8.40
GS030408312272.002	Q		71.00	1.80	1.50	10.00	8.30
Preliminary	UN-Q	7.70	51.40	3.80	1.05	11.00	6.40
Preliminary	UN-Q	7.30	56.40	2.40	0.31	11.00	14.00
Preliminary	UN-Q	8.10	59.50	2.10	<0.10	5.40	29.90
GS000508312322.005	UN-Q	7.90	100.00	1.80	0.20	2.20	
GS000508312322.005	UN-Q	7.80	100.00	0.90	0.04	2.70	

Footnotes:

If data cells are blank or contain the symbols > or <, see source DTN for further details. Note that some < and > symbols associated with data were deleted so charge balance calculations could be carried out within this spreadsheet (i.e. the symbols < or > within a cell will prevent this calculation using standard Excel math functions).

SO ₄ (mg/L)	HCO ₃ (mg/L)	HCO ₃ Calc (mg/L)	CO ₃ (mg/L)	NO ₃ (mg/L)	F (mg/L)	Br (mg/L)
94.00		1063.46		0.25	3.70	<1
64.00	415.00	456.19		8.50	1.70	<1
147.00	388.00	591.86		4.80	1.10	0.40
78.00	286.00	416.16		6.10	4.80	0.40
50.00	346.00	382.83		3.30	2.00	<1
146.00		810.54		2.80	6.20	<0.1
78.00	191.00	431.03			1.20	<1
32.00	357.00	410.60		0.00	1.60	
30.00	280.00	319.30		1.60	2.90	<0.2
63.00	349.00	647.73		1.20	0.52	0.60
112.00		931.62		5.90	0.73	1.20
88.00	775.00	950.38		1.90	2.00	0.30
56.00	216.00	484.07		1.30	1.70	<0.2
67.00	286.00	701.76		11.00	4.90	<0.2
37.00	239.00	465.42		0.27	1.90	<0.2
41.00	258.00	475.34		5.90	1.00	2.90
36.00	333.00	397.08		2.60	3.40	<1
45.00	700.00	1212.03		4.30	0.87	1.40
65.00	714.00	1246.05		5.60	0.59	1.10
35.00	405.00	510.01		17.00	2.00	<0.1
82.00	741.00	1115.56		9.60	1.30	<0.10
55.00	525.00	815.72		24.00	0.65	<0.10
22.00	323.00	568.20		24.00	1.90	<0.10
60.00	464.00	719.51		1.30	2.10	
21.00		287.29		25.00	3.00	0.20
97.00	349.00	518.76		0.52	1.40	0.91
76.00	639.00	951.86		0.00	3.90	0.96
35.00	329.00	501.59		2.00	7.70	0.22
31.00	362.00	490.82		0.41	6.00	<0.2
39.00	382.00	504.08		4.20	11.00	<0.2
48.00	265.00	445.44		1.20	5.30	<0.2
27.00	384.00	445.77		1.30	1.10	<0.10
34.00	340.00	463.94		0.91	1.70	<0.1
13.00	434.00	463.67		1.40	1.00	<0.10
22.00		409.69		6.30	5.90	<0.10
271.00	24.00			8.90	0.30	1.00
350.00	45.00	92.42		23.00	0.30	1.70
393.00	56.00	55.41		17.00	1.10	0.93
327.00	47.00	61.23		17.00	0.39	1.00
260.00	37.00		0.00	11.00		0.90
213.00	50.00	76.24		14.00	1.50	0.50
180.00	84.00	89.95		8.90	2.20	0.45
106.00	90.00		0.00	4.70		0.90
181.00	31.00		0.00	10.90		0.30
162.00	37.00		0.00	12.00		0.30
124.00	122.00		0.00	1.90		0.10
73.00	92.00		0.00	14.20		0.00
49.00	99.00	101.35		18.00	0.91	<0.10
47.10	143.00			29.50	7.50	0.10
75.00	136.00	148.84		29.00	1.20	<0.10
44.60	185.00			21.00	10.40	0.00
42.20	205.00			20.50	7.20	0.00
56.00		309.14		28.00	2.80	0.30
10.00	313.00	333.23		17.00	2.50	<0.2
13.00		163.99		20.00	3.30	0.10
15.00	140.00	158.53		21.00	1.50	<0.16
24.00	193.00	230.35		19.00	1.20	<0.18
17.00	221.00	280.02		17.00	1.70	<0.10
16.00	142.00	142.72		16.00	2.20	<0.10
12.00	196.00	188.76		12.00	0.84	<0.10
12.00	145.00			18.20	2.40	2.50
16.00	156.00	183.68		11.00	1.10	<0.12
21.00	210.00	275.81		12.00	3.60	<0.10
20.00	146.00	216.77		8.50	3.70	<0.10
17.00	136.00	173.39		10.00	1.90	<0.16
17.00	165.00	168.84		10.00	2.00	0.29
28.00	194.00	212.41		19.00	4.80	<0.43
35.00	245.00	315.56		15.00	5.00	0.54

9.80	124.00	118.96		12.00	2.80	<0.10
12.30	256.00		0.00	10.60		0.10
28.00	197.00		10.00	3.30		0.00
22.00	150.00	163.44		14.00	3.80	0.11
15.50	232.00		0.00	10.60		0.90
18.30	317.00		12.00	9.00		0.10
18.90	185.00		0.00	8.20		0.10
18.00	162.00	168.26		9.90	3.10	<0.10
10.00	185.00		41.00	4.40		1.10
8.70	113.00		12.00	3.80		0.20
21.00	193.00	159.90		8.00	7.30	<0.32
35.00	365.00	375.55		17.00	2.70	0.08
2.70	77.00	80.40		4.00	0.74	<0.10
2.80	77.00	90.37		1.30	0.73	<0.10
20.90	137.00		106.00	4.60		0.40
24.00	151.00	137.03		25.00	2.80	0.10
34.00	104.00	103.19		27.00	2.10	<0.2
33.00	101.00	94.03		24.00	2.50	0.10
29.00	85.00	88.88		22.00	2.10	0.10
22.00	85.00	89.16		17.00	1.90	<0.1
26.00	85.00	91.34		20.00	2.70	<0.1
63.40	63.40		0.00	45.50		1.30
65.50	65.50		0.00	43.70		0.30
4.00	114.00			1.00		0.00
24.40	24.40		0.00	16.70		0.10
18.00	156.00		34.00	17.00		0.00
23.00	104.00		0.00	18.00		0.00
5.80	87.00	77.36		2.90	2.00	<0.10
7.00	88.00	102.11		3.00	2.10	<0.15
28.00	94.00	92.72		12.00	1.90	0.44
26.00	90.00	72.04		8.50	1.30	0.52
26.00	91.00	78.32		8.30	1.30	0.63
36.00		245.32		2.20	3.80	0.20
35.00	169.00	233.49		1.10	4.00	0.12
30.00		289.01		4.10	2.30	0.16
59.00		255.37		6.60	3.80	0.33
139.00	147.00	916.36		10.00	0.57	0.51
160.00	156.00	148.84		43.00	0.61	0.49
140.00	154.00	215.92		15.00	0.85	0.56
191.00	511.00	576.41		8.60	1.30	0.75
160.00		NA		8.20	0.55	0.70
111.00	141.00	145.12		29.00	0.86	0.77
176.00	133.00	137.63		37.00	0.83	0.58
46.00	266.00	309.75		3.90	1.50	0.40
66.00	427.00	612.21		6.20	1.20	0.63
115.00	545.00	832.77		1.50	1.50	0.89
79.00	501.00	696.69		3.70	1.40	0.57
112.00	706.00			35.10	1.40	
88.00	254.00			22.00	0.91	0.24
70.00	162.00			20.00	0.83	<0.20
59.00	63.00			38.00	1.80	<0.10
62.00	192.00			29.00	1.70	<0.30
19.00	118.00	133.36		7.90	1.00	0.15
23.00	45.00	76.95		6.00	0.84	<0.10
44.00	104.00	105.36		11.00	0.80	<0.10
75.00		281.82		18.00	1.30	<0.40
115.00	212.00	229.24		25.00	1.20	0.61
58.00	228.00	239.74		17.00	1.00	<0.53
79.00	235.00	236.72		18.00	1.40	0.67
51.00	88.00	91.42		18.00	1.20	0.36
51.00	72.00	69.87		18.00	1.20	0.19
128.00	143.00	117.98		39.00	1.70	0.37
17.00	145.00	462.00		5.90	0.45	<0.10
30.00	146.00	158.25		10.00	0.79	0.13
8.80		73.08		5.30	1.30	<0.17
105.00	104.00	106.00		45.00	1.30	0.33
86.00	95.00	104.95		41.00	1.50	0.37
76.00	150.00	104.25		43.00	1.40	<0.10
82.00	126.00	103.05		44.00	1.40	0.33

94.00	116.00	102.77	46.00	1.10	0.35
80.00	104.00	106.77	47.00	0.67	<0.19
82.00	124.00	102.80	50.00	0.60	0.30
126.00	149.00		57.40	1.27	
128.00	368.00		18.50	1.51	
123.00	120.00		27.90	1.60	
76.20	236.00		37.30	1.70	
129.00	259.00		28.80	1.80	
124.00			22.00	0.36	0.60
111.00		246.00	3.00	0.96	0.76
120.00		187.00	10.00	0.76	1.20
14.00	172.00				
18.00	242.00				
14.00	210.00				
15.00	231.00	5.70	3.00	1.60	< 0.1
17.00			3.50	2.10	< 0.1
19.00	198.00	5.50	3.20	2.90	0.90
16.00			0.60	1.60	0.30
11.00	226.00	4.30	1.70	1.40	0.20
14.00	195.00	1.40	0.30	2.70	0.30
14.00	192.00	0.00	0.60	2.30	0.50
16.00	177.00	0.00	5.20	15.00	0.20
16.00	220.00	0.00	0.10	5.00	0.30
9.00	143.00	0.60	6.10	3.10	< 0.1
9.00	157.00	0.00	4.60	3.20	< 0.1
6.00	98.00	1.80	3.50	3.00	< 0.1
6.00	83.00	1.20	5.50	4.80	< 0.1
6.00	124.00	0.00	0.50	4.20	< 0.1
15.00	151.00	0.00	1.10	6.50	< 0.1
8.00	125.00	0.00	0.40	3.60	< 0.1
13.00	194.00	4.70	1.60	2.70	< 0.1
11.00	167.00	1.10	0.50	4.80	< 0.1
10.00	149.00	1.60	7.30	2.40	< 0.1
11.00	147.00	2.70	10.00	4.80	< 0.1
10.00	221.00	26.30	6.00	3.30	< 0.1
13.00	195.00	2.70	5.40	3.60	< 0.1
9.00	193.00	32.40	5.10	2.60	< 0.1
10.00	169.00	1.90	7.10	3.40	< 0.1
8.00	208.00	0.00	0.30	2.70	< 0.1
8.00	220.00	0.90	0.30	2.90	< 0.1
8.00	155.00	55.60	6.80	5.80	< 0.1
9.00	193.00	14.20	0.10	1.90	< 0.1
13.00	178.00	1.10	9.20	4.30	< 0.1
13.00	151.00	0.00	4.20	1.40	< 0.1
13.00	185.00	0.00	3.70	2.00	< 0.1
17.00	160.00	5.20	5.00	1.10	< 0.1
21.00	197.00	4.60	0.10	1.70	0.60
22.00	182.00	1.80	0.10	1.90	0.30
43.00	137.00	1.00	0.10	1.40	1.10
76.70	220.00	0.00	1.50		0.50
14.10	171.00	0.00	13.60		0.40
15.90	203.00	0.00	12.40		0.10
14.90	171.00	0.00	9.00		0.10
650.00	73.00	0.00	0.60		0.40
14.00	194.00	<1	11.00		<1
12.00	79.00	65.00	3.20		<1
18.00	231.00	59.00	4.00		<1
12.00	150.00				
10.00	334.00	78.00	4.80		
11.00	353.00	120.00	6.70		
25.00	157.00	101.00	4.00		
18.00	100.00	103.00	3.80		
12.00	95.00	71.00	2.20		
9.10	112.00	0.00	34.00		0.00
9.10	128.00	0.00	34.00		0.00
8.60	130.00	0.00	23.00		0.00
8.50	127.00	0.00	13.00		0.00
10.00	128.00	0.00	13.00		0.00
32.00	308.00	323.91	4.20	3.80	<0.10
54.00	210.00				

27.00	113.00				
21.00	163.00		<1	18.00	<1
9.30	151.00		59.00	5.70	<1
75.00	159.00		0.00	16.00	0.20
55.00	49.00		57.00	8.10	0.30
47.50	107.00		0.00	15.90	0.90
30.10	98.00		30.00	7.30	0.10
22.50	323.00		0.00	6.40	0.10
12.60	79.00		90.00	2.60	0.10
11.20	67.00		102.00	1.70	0.00
26.10	171.00		66.00	1.00	0.10
24.40	134.00		66.00	3.50	0.10
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48.00	95.00		0.90	76.00	11.90
53.00	84.00		0.60	78.20	11.30
40.00	77.00		1.00	56.90	5.70
45.00				82.30	4.00
43.00	109.00				
73.00	134.00				
101.00	95.00				
63.00	167.00	167.79		34.00	3.70
57.00	165.00	168.17		29.00	3.60
49.80	98.90			76.60	4.90
85.00			1.00	80.90	6.30
97.70	101.00			86.00	6.30
68.00	74.10		1.20	67.30	8.60
56.60	135.00		0.70	65.50	26.90
299.00	92.40		2.10	25.70	3.10
56.10	167.00		1.00	34.50	7.70
28.00	178.00		1.80	1.80	14.70
14.00	163.00		0.00	9.80	6.20
27.00	181.00		0.00	13.80	6.70
15.00	134.00		0.00	16.30	4.70
19.00	206.00		2.70	1.80	3.70
17.00	236.00		0.00	12.90	1.70
13.00	156.00		0.00	0.70	8.90
13.00	169.00		0.00	0.70	5.80
16.00	182.00		0.00	14.20	9.40
38.00	313.00		0.00	2.70	14.50
19.00	226.00		0.00	0.40	5.40
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13.20	123.00			18.90	1.15
17.80	166.00			27.00	1.86
22.30	142.00			33.20	2.32
8.84	149.00			10.40	1.35
5.29	113.00			8.07	1.38
9.48	128.00			14.50	1.51
8.68	119.00			13.90	1.19
16.60	152.00			19.10	2.83
23.90	146.00			37.50	3.89
15.80	91.00			27.80	1.76
25.30	107.00			34.30	1.66
19.50	107.00			29.80	1.46
10.50	82.00			17.40	1.16
15.40	115.00			25.80	1.59
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19.30	97.00			31.40	2.49
22.90	97.00			34.50	2.84
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132.00	315.00	305.08		4.20	2.60
99.00	220.00	275.39		2.60	3.20
110.00	182.00	181.37		1.70	1.70
86.00	290.00	283.31		1.00	1.10
150.00	230.00	238.34		11.00	1.50
37.00	273.00	320.89		5.80	1.90
19.00	245.00	304.10		2.40	1.20
178.00	151.00	208.07		1.00	2.00
33.00	152.00	132.48		1.70	1.60
135.00	129.00	134.27		4.30	3.30
98.00	147.00	151.59		3.20	2.50
140.00	115.00	103.25		3.80	2.90
86.00	158.00	150.83		4.40	1.70
42.00	172.00	161.28		2.50	2.50
82.00	232.00	234.89		3.00	1.70
154.00	164.00	185.86		5.50	2.80

232.00	230.00	230.39	5.20	3.30	<0.10
199.50	44.60		14.06	2.16	<0.1
34.60	200.00		1.67	6.13	0.06
59.08	170.00		1.58	3.73	0.36
23.48	78.00		13.99	2.35	0.22
27.48	122.00		9.14	2.35	0.33
29.68	97.10		9.38	2.17	<0.1
36.43	107.00		8.25	2.73	0.46
31.33	140.00		11.51	2.79	0.38
32.88	122.00		5.95	2.26	0.17
26.38	114.00		1.59	2.68	0.28
40.78	168.00		4.96	7.06	0.88
23.31	107.00		7.30	2.09	0.37
266.11	257.00		10.77	1.81	<0.1
34.33	289.00		2.63	1.27	1.94
132.19	285.00		4.56	2.94	<0.1
136.17	215.00		3.13	1.44	0.75
76.99	147.00		2.16	3.48	0.36
37.93	192.00		3.60	1.40	<0.1
70.20	183.00		4.09	1.62	<0.1
34.70	174.00		3.00	1.37	<0.1
34.38	181.00		1.46	1.40	<0.1
85.03	38.00		16.94	1.81	<0.1
63.83	132.00		4.53	3.08	<0.1
75.10	92.30		16.80	2.02	<0.1
88.60	79.40		15.50	1.92	<0.1
106.00	81.90		20.20	1.99	<0.1
131.00	78.30		14.70	2.67	<0.1
55.50	127.00		6.90	1.39	<0.1
50.00	113.00		6.20	1.59	<0.1
53.10	123.00		6.60	1.23	<0.1
125.00	178.00		2.50	3.73	<0.1
205.00	181.00		4.00	3.22	<0.1
183.00	174.00		6.20	4.13	<0.1
74.00	139.00	129.78	1.90	4.60	<0.10
73.00	145.00	130.79	2.00	4.70	<0.10
74.00	141.00	136.23	1.80	4.70	<0.10
53.20	75.70	80.12	33.10	3.89	2.05
43.90	80.10	90.51	27.80	4.78	1.78
49.00	84.30	96.66	29.70	7.35	1.99
46.00	81.00	86.97	29.30	6.73	1.89
34.20	87.00	112.12	26.30	4.53	1.63
28.20	76.90	93.61	26.80	3.15	1.46
40.70	62.40	82.80	41.00	2.27	2.13
117.00	52.40	63.48	27.60	2.84	5.00
237.00	45.00	60.78	20.80	2.70	6.48
242.00	64.00	72.54	14.70	2.40	7.04
28.00				3.10	<0.010
22.00				1.80	
					0.59
159.00	34.00	0.00	32.00		1.00
139.00	55.00	0.00	35.00		0.90
94.00	48.00	13.00	43.00		
64.00	60.00	0.00	42.00		
77.00	92.00	0.00	47.00		
115.00	61.00	0.00	40.00		0.10
840.00	61.00	0.00	35.00		0.00
14.00	150.00	0.00	8.60		0.20
14.00	149.00	0.00	13.00		0.10
16.00	148.00	0.00	17.00		0.40
223.00	106.00	0.00	0.00		0.40
57.00	144.00	0.00	13.00		0.10
23.00	144.00	0.00	15.00		0.10
14.00	142.00	0.00	15.00		0.10
24.00	146.00	0.00	17.00		0.10
83.00	128.00	0.00	23.00		
79.00	124.00	0.00	23.00		
60.00	112.00	0.00	17.00		
63.00	143.00	0.00	13.00		
90.00	67.00	0.00	25.00		
19.00	170.00		16.00		
45.00	170.00		17.00		

38.00	170.00		15.00	
96.00	105.00	0.00	23.00	
102.00	118.00	0.00	22.00	
102.00	79.00	0.00	22.00	
28.00	384.00	48.00	4.00	
17.00	61.00	113.00	4.00	
10.00	98.00	67.00	7.00	
9.00	178.00	0.00	6.00	
9.00	104.00	0.00	4.00	
26.00	203.00	18.00	5.00	
130.00	49.00	0.00	25.00	
120.00	62.00	0.00	21.00	
130.00	55.00	0.00	14.00	
118.00	55.00	0.00	16.00	
94.00	96.00		15.00	
100.00	162.00		17.00	
79.00	66.00		12.00	
33.00	245.00	18.00	33.00	
66.00	131.00	0.00	22.00	
72.00	150.00	0.00	23.00	
55.00	123.00	0.00	16.00	
53.00	0.00	0.00	14.00	
81.00	87.00	0.00	26.00	
83.00	73.00	0.00	29.00	
79.00	79.00	0.00	26.00	
106.00	160.00	0.00	5.00	0.00
21.00	166.00	0.00	6.00	0.00
37.30	365.00	0.00	6.20	0.00
14.30	228.00	0.00	10.80	0.00
22.30	232.00	0.00	12.50	0.00
14.00	160.00	97.00	4.00	0.00
30.00	376.00	0.00	1.00	0.00
9.00	148.00	18.00	6.00	0.00
9.00	74.00	79.00	0.00	0.00
16.00	168.00	0.00	3.10	0.00
17.50	211.00	79.00	5.60	0.00
15.40	288.00	18.00	3.40	0.00
14.90	181.00	12.00	15.30	0.00
12.90	42.00	112.00	11.80	0.00
15.90	181.00	23.00	13.70	0.00
12.60	204.00	18.00	11.70	0.00
22.20	409.00	219.00	1.80	0.00
21.70	339.00	176.00	0.50	0.10
26.30	493.00	189.00	6.90	0.00
29.00	143.00	29.00	0.30	0.10
23.00	229.00	19.00	4.00	

28.00	196.00	0.00	17.00	
31.10	128.10	0.00	28.40	
26.00	137.00	0.00	23.00	
28.00	148.00	0.00	25.00	
22.00	117.00	0.00	20.00	
28.00	67.00	0.00	90.00	
29.00	154.00	0.00	26.00	
14.00	139.00	13.00	18.00	
11.00	131.00	0.00	14.00	
10.00	109.00	13.00	14.00	
14.00	198.00	0.00	15.00	
19.00	192.00	25.00	18.00	
19.00	192.00	24.00	19.00	
14.00	124.00	0.00	14.00	
18.00	324.00	12.00	19.00	
18.00	171.00	0.00	20.00	
18.70	140.30	0.00	16.10	
23.80	122.00	36.00	18.50	
22.00	216.00	24.00	16.00	
20.00	237.00	31.00	16.00	
30.00	165.00	0.00	24.00	
25.00	171.00	0.00	22.00	
23.00	166.00	0.00	21.00	
19.00	155.00	0.00	17.00	
16.00	172.00	0.00	15.00	
23.00	160.00	43.00	19.00	
23.00	172.00	43.00	20.00	
21.00	180.00	43.00	18.00	

19.00	173.00	43.00	17.00	1.00
16.00	193.00	43.00	15.00	
13.70	18.30	87.60	11.30	
11.00	137.00	0.00	6.00	
28.00	162.00	0.00	8.00	0.00
23.00	47.60	58.80	18.00	0.00
25.00	72.00	46.80	18.00	0.00
45.00	131.80	35.40	25.00	0.00
16.00	72.00	70.80	14.00	0.00
19.00	72.00	70.80	16.00	0.00
29.10	210.60	0.00	0.20	0.60
31.80	196.70	0.00	0.00	0.60
34.60	200.00	0.00	0.50	0.70
27.70	164.20	0.00	0.30	0.00
25.50	151.60	0.00	0.00	0.00
27.70	197.30	0.00	0.00	1.00
27.00	181.00	0.00	13.00	
33.00	170.00	0.00	10.00	
72.30	114.70	45.00	23.10	
28.00	162.00		8.00	
20.00	87.00	19.00	6.00	
38.00	146.40	0.10	33.00	<1
34.00	179.00	12.00	30.00	
74.90	136.60	0.00	97.70	
80.70	69.50	0.00	93.00	1.10
101.10	35.40	80.40	101.70	0.20
140.00	120.00			
140.00	100.00			
240.00	70.00			
24.00	115.00	8.80	5.20	
13.00	116.00	0.00		0.10
18.00	117.00	119.68	9.10	2.30
17.00	119.00	120.13	9.00	2.30
39.00		158.94	2.80	2.80
39.00		153.55	2.90	2.80
20.40	135.00	130.96	5.60	2.40
1.11	144.00	154.09	0.17	1.70
0.18	119.00	115.64	<0.10	3.10
				0.00
				0.00

th data has been
; calculation with

SiO ₂ (mg/L)	Mn (ug/L)	Sr (ug/L)	Ba (ug/L)	U (ug/L)	HCO ₃ for charge balance	NO ₃ for charge balance
48.00	410.00	3580.00	420.00	6.90	0.0	0.3
55.00	43.00	1480.00	<30	<0.3	415.0	8.5
54.00	100.00	1240.00	46.00	0.10	388.0	4.8
49.00	26.00	1100.00	<30	2.50	286.0	6.1
44.00	39.00	1750.00	<30	0.50	346.0	3.3
56.00	330.00	2970.00	72.00	6.10	0.0	2.8
40.00	54.00	1160.00	<30	10.30	191.0	0.0
53.00	34.00	1140.00	36.00	0.90	357.0	0.0
46.00	14.00	1150.00	<15	2.70	280.0	1.6
45.00	469.00	3250.00	<16	1.41	349.0	1.2
43.00	449.00	5180.00	<17	13.45	0.0	5.9
65.00	470.00	4090.00	<15	1.20	775.0	1.9
54.00	77.00	1980.00	<15	0.30	216.0	1.3
58.00	130.00	2070.00	<15	0.20	286.0	11.0
58.00	62.00	1240.00	<25	<0.2	239.0	0.3
50.00	158.00	1010.00	47.00	1.17	258.0	5.9
42.00	23.00	1040.00	<30	0.80	333.0	2.6
64.00	198.00	2910.00	120.00	<0.25	700.0	4.3
57.00	404.00	2940.00	124.00	<0.18	714.0	5.6
50.00	47.00	1110.00	61.00	6.90	405.0	17.0
61.00	201.00	2170.00	160.00	8.25	741.0	9.6
54.00	238.00	3160.00	29.00	2.06	525.0	24.0
70.00	33.00	1130.00	<53	28.70	323.0	24.0
54.00	200.00	1390.00	150.00	3.60	464.0	1.3
59.00	18.00	480.00	42.00	15.00	0.0	25.0
45.70	220.00	1250.00	23.00	24.30	349.0	0.5
64.00	120.00	3702.00	<30	5.80	639.0	0.0
39.00	89.00	1460.00	<15	5.37	329.0	2.0
42.00	130.00	1260.00	<15	11.30	362.0	0.4
48.00	58.00	1390.00	<20	22.70	382.0	4.2
52.00	38.00	1110.00	<15	4.10	265.0	1.2
54.00	69.00	690.00	<30	5.20	384.0	1.3
43.00	260.00	590.00	29.00	7.60	340.0	0.9
49.00	49.00	610.00	<30	19.40	434.0	1.4
46.14	54.00	750.00	<90	18.10	0.0	6.3
74.00	23.00				24.0	8.9
100.00	45.00				45.0	23.0
76.00	11.00				56.0	17.0
77.00	15.00				47.0	17.0
74.00					37.0	11.0
72.00	17.00				50.0	14.0
77.00	6.00				84.0	8.9
55.00					90.0	4.7
					31.0	10.9
					37.0	12.0
					122.0	1.9
					92.0	14.2
					99.0	18.0
81.00					143.0	29.5
52.50					136.0	29.0
49.00	17.00	440.00	26.00	2.80	185.0	21.0
49.40					205.0	20.5
46.20					0.0	28.0
53.00	42.00	500.00	35.00	11.70	313.0	17.0
50.00	21.00	420.00	<10	33.00	0.0	20.0
55.00	14.00	220.00	<25	3.70	140.0	21.0
50.00	17.00	185.00	<29	5.89	0.0	0.0
52.00	35.00	630.00	62.00	8.50	193.0	19.0
45.00	12.00	281.00	<36	17.90	221.0	17.0
45.00	32.00	450.00	<30	19.20	142.0	16.0
42.00	<1	180.00	<17	5.81	196.0	12.0
47.00	7.00	240.00	<20	10.30	145.0	18.2
					156.0	11.0
42.00	9.60	216.00	<19	6.74	210.0	12.0
54.00	20.00	620.00	31.00	10.10	146.0	8.5
38.00	17.00	510.00	<30	7.70	136.0	10.0
59.00	21.00	292.00	<24	5.75	165.0	10.0
67.00	22.00	278.00	<27	5.19	194.0	19.0
54.00	34.00	411.00	<92	6.16	245.0	15.0
55.00	31.00	960.00	57.00	7.80		

77.00	11.00				124.0	12.0
62.50					256.0	10.6
64.00					197.0	3.3
81.00	215.00				150.0	14.0
54.90					232.0	10.6
55.60					317.0	9.0
48.80					185.0	8.2
67.00	48.00				162.0	9.9
52.00					185.0	4.4
53.00					113.0	3.8
60.00	5.00				193.0	8.0
38.00					365.0	17.0
29.00	12.00				77.0	4.0
34.00	15.00				77.0	1.3
59.60					137.0	4.6
41.00	17.00	410.00	<40	4.10	151.0	25.0
59.00	<2				104.0	27.0
58.00	26.00				101.0	24.0
57.00	6.00				85.0	22.0
63.00	3.00				85.0	17.0
58.00	3.00				85.0	20.0
68.30					63.4	45.5
68.90					65.5	43.7
9.00					114.0	1.0
48.60					24.4	16.7
83.00					156.0	17.0
71.50					104.0	18.0
37.00					87.0	2.9
56.00					88.0	3.0
68.00					94.0	12.0
60.00					90.0	8.5
61.00					91.0	8.3
71.99	5.00				0.0	2.2
72.00	25.00				169.0	1.1
63.80	14.00				0.0	4.1
80.00	2.00				0.0	6.6
64.00	16.00				147.0	10.0
62.00	<1.1				156.0	13.0
69.00	20.00				154.0	15.0
55.00	142.00				511.0	8.6
					0.0	8.2
66.00	<1.0				141.0	29.0
62.00					133.0	37.0
51.00	95.00	660.00	47.00	20.20	266.0	3.9
54.00	310.00	1680.00	54.00	19.60	427.0	6.2
66.00	820.00	2350.00	240.00	17.40	545.0	1.5
62.00	390.00	1930.00	159.00	11.30	501.0	3.7
					706.0	35.1
49.00	29.00	893.00	<38	10.60	254.0	22.0
49.00	46.00	833.00	36.00	12.60	162.0	20.0
47.00	49.00	566.00	<82	10.40	63.0	38.0
56.00	52.00	553.00	<153	7.94	192.0	29.0
53.00	6.20	171.00	<16	2.64	118.0	7.9
28.00	16.00	148.00	28.00	0.25	45.0	6.0
36.00	11.00	405.00	<26	3.28	104.0	11.0
65.00	21.00	649.00	<58	17.10	0.0	18.0
73.00	26.00	826.00	108.00	10.40	212.0	25.0
64.00	65.00	532.00	<82	17.10	228.0	17.0
59.00	32.00	649.00	63.00	12.40	235.0	18.0
45.00	18.00	323.00	<15	1.68	88.0	18.0
43.00	16.00	312.00	<25	0.94	72.0	18.0
51.00	42.00	714.00	73.00	5.05	143.0	39.0
46.00	66.00	552.00	50.00	3.44	145.0	5.9
57.00		237.00	<18	1.98	146.0	10.0
33.00	15.00	70.00	<26	0.93	0.0	5.3
63.00	15.00	451.00	<24	1.20	104.0	45.0
51.00	14.00	335.00	<26	1.28	95.0	41.0
58.00		395.00	<107	5.77	150.0	43.0
52.00	12.00	358.00	<36	1.93	126.0	44.0

55.00	14.00	429.00	<40	1.41	116.0	46.0
62.00		405.00	<30	0.45	104.0	47.0
59.00	14.00	379.00	<71	<0.71	124.0	50.0
					149.0	57.4
					368.0	18.5
					120.0	27.9
					236.0	37.3
					259.0	28.8
79.00		1400.00			0.0	22.0
66.00		1000.00			0.0	3.0
75.00		1100.00			0.0	10.0
81.10					172.0	0.0
69.50		0.00			242.0	0.0
72.70		0.00			210.0	0.0
57.00					231.0	3.0
49.40					0.0	3.5
57.60					198.0	3.2
66.90					0.0	0.6
46.30					226.0	1.7
45.20					195.0	0.3
41.90					192.0	0.6
					177.0	5.2
42.60					220.0	0.1
53.50					143.0	6.1
					157.0	4.6
58.10					98.0	3.5
56.30					83.0	5.5
45.40					124.0	0.5
49.60					151.0	1.1
48.60					125.0	0.4
56.10					194.0	1.6
43.20					167.0	0.5
53.40					149.0	7.3
46.60					147.0	10.0
58.90					221.0	6.0
42.80					195.0	5.4
51.60					193.0	5.1
42.10					169.0	7.1
39.30					208.0	0.3
					220.0	0.3
72.60					155.0	6.8
59.90					193.0	0.1
45.00					178.0	9.2
45.70					151.0	4.2
52.70					185.0	3.7
58.60					160.0	5.0
52.20					197.0	0.1
35.00					182.0	0.1
50.60					137.0	0.1
38.70					220.0	1.5
29.70					171.0	13.6
32.10					203.0	12.4
32.40					171.0	9.0
					73.0	0.6
62.20					194.0	11.0
64.30					79.0	3.2
94.80					231.0	4.0
66.70					150.0	0.0
31.30					334.0	4.8
31.50					353.0	6.7
25.40					157.0	4.0
25.90					100.0	3.8
24.90					95.0	2.2
62.00					112.0	34.0
57.00					128.0	34.0
51.00					130.0	23.0
55.00					127.0	13.0
56.00					128.0	13.0
43.00	58.00	849.00	54.00	6.78	308.0	4.2
76.10					210.0	0.0

71.00
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74.00
63.50
61.60
37.60
42.80
46.10
56.90
45.10

38.00	14.00	119.00	<31	1.64
44.00	7.90	166.00	<31	5.02
46.00	14.00	211.00	39.00	5.95
46.00	3.30	120.00	<31	3.12
42.00	1.60	65.00	<31	2.62
39.00	12.00	90.00	<30	2.74
35.00	6.40	88.00	<32	2.16
69.00	7.30	232.00	<35	8.04
55.00	7.00	119.00	<30	2.91
55.00	7.10	183.00	<31	3.83
51.00	9.90	162.00	<30	3.68
52.00	19.00	107.00	<30	2.05
58.00	5.70	158.00	<30	3.96

44.00	1.50
43.00	5.70
46.00	8.20
45.00	0.98
49.00	1.30
44.00	94.00
44.00	3.90
37.00	77.00
42.00	54.00
34.00	59.00
43.00	7.90
38.00	7.10
46.00	9.30
38.00	116.00

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45.00	26.00				230.0	5.2
37.00	121.00	215.00	<19	0.28	44.6	14.1
28.00	151.00	98.00	<15	8.34	200.0	1.7
23.00	344.00	132.00	<16	4.05	170.0	1.6
43.00	1.70	50.00	<16	0.67	78.0	14.0
39.00	5.20	60.00	<16	1.71	122.0	9.1
41.00	3.60	56.00	<15	1.15	97.1	9.4
37.00	39.00	72.00	<16	2.59	107.0	8.3
38.00	32.00	102.00	<15	4.18	140.0	11.5
33.00	29.00	73.00	<16	2.40	122.0	5.9
33.00	67.00	64.00	<16	1.73	114.0	1.6
29.00	143.00	108.00	<16	5.65	168.0	5.0
38.00	7.30	66.00	<16	1.39	107.0	7.3
43.00	4.00	20.00	<15	28.20	249.0	10.8
40.00	1.30	8.10	<15	15.40	239.0	2.7
38.00	6.60	14.00	<15	23.90	215.0	4.6
35.00	65.00	125.00	<15	22.00	199.0	3.1
37.00	33.00	84.00	<15	6.57	140.0	2.2
42.00	2.40	76.00	<15	10.70	169.0	3.6
38.00	19.00	95.00	<15	9.64	161.0	4.1
36.00	1.80	57.00	<15	6.05	162.0	3.0
32.00	2.80	61.00	<15	5.85	165.0	1.5
36.00	1.10	70.00	<15	<0.15	42.0	16.7
31.00	5.70	77.00	<15	2.69	132.0	4.0
39.00	6.90				92.3	16.8
39.00	2.80				79.4	15.5
39.00	4.50				81.9	20.2
41.00	5.70				78.3	14.7
43.00	6.30				127.0	6.9
47.00	4.50				113.0	6.2
31.00	10.00				123.0	6.6
31.00	14.00				178.0	2.5
31.00	11.00				181.0	4.0
33.00	10.00				174.0	6.2
10.00	287.00				139.0	1.9
12.00	288.00				145.0	2.0
12.00	289.00				141.0	1.8
37.00	17.00				75.7	33.1
37.00	33.00				80.1	27.8
37.00	59.00				84.3	29.7
37.00	48.00				81.0	29.3
39.00	8.00				87.0	26.3
37.00	4.30				76.9	26.8
66.00	<2.4				62.4	41.0
72.00	3.60				52.4	27.6
57.00	18.00				45.0	20.8
53.00	33.00				64.0	14.7
47.00						
57.00						
39.00					34.0	32.0
					55.0	35.0
					48.0	43.0
					60.0	42.0
					92.0	47.0
21.00					61.0	40.0
38.00					61.0	35.0
34.20					150.0	8.6
36.40					149.0	13.0
51.40					148.0	17.0
7.70					106.0	0.0
21.40					144.0	13.0
25.70					144.0	15.0
32.10					142.0	15.0
40.70					146.0	17.0
					128.0	23.0
					124.0	23.0
					112.0	17.0
					143.0	19.0
					67.0	25.0
					170.0	16.0
					170.0	17.0

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155.0
172.0
160.0
172.0
180.0

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20.0
18.0

		173.0	17.0
		193.0	15.0
		18.3	11.3
		137.0	6.0
		162.0	8.0
		47.6	18.0
		72.0	18.0
		131.8	25.0
		72.0	14.0
		72.0	16.0
		210.6	0.2
		196.7	0.0
		200.0	0.5
		164.2	0.3
		151.6	0.0
		197.3	0.0
		181.0	13.0
		170.0	10.0
		114.7	23.1
		162.0	8.0
		87.0	6.0
		146.4	33.0
		179.0	30.0
		136.6	97.7
		69.5	93.0
		35.4	101.7
69.70		120.0	0.0
67.60		100.0	0.0
52.20		70.0	0.0
27.00		115.0	5.2
51.00		0.0	0.0
61.00	<1	116.0	0.0
63.00	<1	117.0	9.1
52.00	28.00	119.0	9.0
50.00	27.00	0.0	2.8
62.00	6.20	0.0	2.9
26.00	368.00	135.0	5.6
7.70	122.00	144.0	0.2
		119.0	

Mg for charge balance	Ca for charge balance	F for charge balance	Cations	Anions	Charge Balance
35.1	240.0	3.7	20.40	2.97	74.56
15.4	85.0	1.7	9.63	8.95	3.63
22.9	190.0	1.1	14.76	11.42	12.76
19.3	120.0	4.8	10.32	8.19	11.53
10.6	81.0	2.0	8.09	7.49	3.87
33.0	230.0	6.2	18.50	5.22	56.01
12.9	130.0	1.2	10.81	6.88	22.24
11.9	92.0	1.6	8.04	7.17	5.78
13.1	63.0	2.9	6.94	6.29	4.87
17.7	142.0	0.5	12.68	7.78	23.93
28.1	229.0	0.7	19.60	4.33	63.82
25.8	210.0	2.0	19.04	16.17	8.16
14.0	110.0	1.7	10.25	5.86	27.27
22.6	170.0	4.9	14.18	7.36	31.63
13.6	98.0	1.9	9.04	5.33	25.83
21.6	105.0	1.0	10.15	6.58	21.29
18.1	94.0	3.4	8.07	7.02	6.96
53.5	275.0	0.9	21.74	13.34	23.92
54.1	280.0	0.6	22.41	13.68	24.16
21.9	120.0	2.0	10.09	8.37	9.33
44.2	240.0	1.3	21.03	14.89	17.09
23.3	170.0	0.7	15.42	10.65	18.28
6.3	96.0	1.9	11.19	7.17	21.89
23.5	160.0	2.1	13.88	9.69	17.77
7.9	55.0	3.0	7.12	2.41	49.43
16.4	130.0	1.4	13.34	10.56	11.64
7.1	170.0	3.9	18.46	13.33	16.13
2.8	88.0	7.7	9.95	7.12	16.57
3.3	81.0	6.0	9.69	7.58	12.23
5.3	82.0	11.0	10.45	8.45	10.58
8.3	98.0	5.3	9.36	6.40	18.76
10.1	87.0	1.1	8.62	7.61	6.24
10.2	73.0	1.7	9.06	7.03	12.62
9.3	65.0	1.0	8.51	8.02	2.94
10.8	58.0	5.9	8.85	2.14	61.08
26.9	150.0	0.3	11.95	12.77	-3.31
43.3	231.0	0.3	18.70	17.92	2.12
40.5	199.0	1.1	16.02	16.03	-0.03
33.4	179.0	0.4	14.71	14.47	0.80
24.0	125.0	0.0	10.08	10.99	-4.32
21.5	121.0	1.5	10.02	9.59	2.19
20.9	120.0	2.2	9.06	8.97	0.54
13.0	72.0	0.0	6.23	6.38	-1.21
18.0	95.0	0.0	8.61	8.35	1.59
15.0	91.0	0.0	8.65	8.24	2.44
9.5	43.0	0.0	7.06	6.42	4.77
8.0	44.0	0.0	5.16	4.39	8.11
6.1	33.0	0.9	3.78	3.74	0.51
5.6	43.8	7.5	5.47	5.70	-2.06
6.9	66.0	1.2	6.68	6.47	1.60
7.5	61.8	10.4	6.96	6.59	2.72
6.5	50.2	7.2	5.11	6.18	-9.50
9.0	81.0	2.8	8.13	3.06	45.27
0.9	56.0	2.5	6.72	6.39	2.53
0.6	27.0	3.3	4.19	1.50	47.25
7.1	21.0	1.5	4.23	3.93	3.72
7.1	72.0	0.0	9.17	0.00	100.00
1.9	34.0	1.2	5.55	4.94	5.84
0.7	44.0	1.7	6.55	5.58	7.97
0.7	19.0	2.2	3.69	3.68	0.16
0.3	24.0	0.8	4.03	4.15	-1.45
0.5	18.4	2.4	4.20	4.24	-0.54
4.9	18.0	1.1	4.06	3.60	5.92
2.5	51.0	3.6	7.51	6.43	7.73
0.6	42.0	3.7	6.02	4.86	10.66
0.6	23.0	1.9	4.28	3.66	7.72
2.3	23.0	2.0	4.38	4.31	0.72
7.5	37.0	4.8	6.46	6.16	2.39
7.5	73.0	5.0	10.16	9.00	6.04

	2.4	2.8	2.74	2.82	-1.49
0.0	6.9	0.0	5.22	5.07	1.46
0.2	2.9	0.0	4.42	4.02	4.75
	0.8	3.8	3.87	3.65	2.93
0.1	0.8	0.0	4.92	4.74	1.90
0.0	0.4	0.0	5.96	7.14	-8.98
0.0	0.7	0.0	7.17	4.74	20.37
		3.1	4.16	4.06	1.25
0.0	0.2	0.0	5.45	3.85	17.22
0.0	0.2	0.0	3.23	2.52	12.38
	1.6	7.3	4.16	4.71	-6.12
	6.7	2.7	8.01	7.83	1.09
	0.7	0.7	1.67	1.61	1.70
	0.4	0.7	1.78	1.56	6.56
0.0	0.8	0.0	7.90	3.67	36.61
1.6	19.0	2.8	4.17	4.40	-2.67
	22.0	2.1	4.10	4.12	-0.16
	21.0	2.5	3.85	3.96	-1.46
	20.0	2.1	3.51	3.45	0.91
	16.0	1.9	3.03	2.96	1.14
	16.0	2.7	3.41	3.30	1.55
5.6	55.3	0.0	4.60	4.19	4.65
3.7	43.0	0.0	6.02	4.65	12.77
0.0	3.0	0.0	1.98	2.17	-4.55
0.6	61.0	0.0	7.18	2.11	54.57
0.5	28.7	0.0	4.66	4.62	0.44
0.3	30.6	0.0	4.80	3.57	14.65
1.1	5.1	2.0	1.64	1.80	-4.59
1.2	5.5	2.1	2.11	1.88	5.80
3.6	15.0	1.9	3.36	3.38	-0.31
3.4	14.0	1.3	3.11	3.41	-4.52
3.6	15.0	1.3	3.18	3.39	-3.16
5.3	17.0	3.8	5.77	1.75	53.51
7.0	24.0	4.0	5.46	4.40	10.71
11.4	43.0	2.3	6.34	1.60	59.66
	25.0	3.8	6.79	2.61	44.53
38.2	303.0	0.6	21.57	8.96	41.29
22.9	105.0	0.6	9.79	9.91	-0.60
23.1	108.0	0.9	9.93	8.91	5.39
41.6	183.0	1.3	18.60	17.52	2.97
0.0	0.0	0.6	0.00	6.93	100.00
19.7	89.0	0.9	8.56	8.49	0.40
19.6	90.0	0.8	8.39	8.31	0.45
12.0	73.0	1.5	8.12	7.41	4.62
23.3	170.0	1.2	15.32	12.29	10.99
35.5	230.0	1.5	19.25	14.53	13.96
29.0	190.0	1.4	15.93	12.73	11.19
38.2	268.0	1.4	24.30	19.62	10.66
18.0	82.0	0.9	8.09	8.40	-1.86
16.5	84.0	0.8	8.82	5.75	21.11
12.7	56.0	1.8	6.86	4.32	22.68
11.6	57.0	1.7	7.02	7.22	-1.45
3.4	17.0	1.0	3.52	3.27	3.71
2.0	13.0	0.8	2.64	2.12	11.00
4.2	26.0	0.8	4.50	4.48	0.25
9.6	49.0	1.3	8.40	3.78	37.91
11.5	63.0	1.2	8.96	8.68	1.60
9.2	46.0	1.0	7.33	7.13	1.33
10.8	55.0	1.4	7.67	7.64	0.18
6.1	29.0	1.2	4.07	4.01	0.69
5.4	28.0	1.2	3.72	3.75	-0.47
8.6	62.0	1.7	8.34	8.75	-2.40
11.0	51.0	0.5	9.00	3.81	40.53
1.5	21.0	0.8	4.27	4.07	2.41
1.2	6.9	1.3	1.87	0.68	46.99
9.8	73.0	1.3	7.03	7.00	0.23
7.8	60.0	1.5	6.08	5.92	1.36
7.6	58.0	1.4	5.69	6.44	-6.18
7.9	62.0	1.4	6.07	6.45	-3.01

9.9	72.0	1.1	6.39	6.60	-1.67
	0.0	0.0			
9.0	69.0	0.7	6.58	6.53	0.35
9.1	71.0	0.6	6.54	6.89	-2.59
16.7	59.9	1.3	10.07	10.18	-0.54
17.8	143.0	1.5	13.82	12.69	4.29
17.4	48.7	1.6	8.72	8.76	-0.24
8.2	89.0	1.7	9.32	8.59	4.10
17.2	113.0	1.8	11.85	11.24	2.63
25.7	98.0	0.4	9.81	6.43	20.86
16.6	106.0	1.0	9.49	5.51	26.50
17.4	97.0	0.8	9.20	6.17	19.71
0.0	4.9	0.0	4.42	4.07	4.13
0.1	5.5	0.0	5.55	5.22	3.07
0.0	4.2	0.0	4.69	4.18	5.69
	6.9	1.6	5.68	5.05	5.82
0.2	5.8	2.1	6.38	1.38	64.45
	4.2	2.9	5.39	4.76	6.26
	3.7	1.6	5.35	0.95	69.86
0.3	2.7	1.4	4.93	4.60	3.47
0.2	2.3	2.7	4.21	3.96	3.06
0.2	2.7	2.3	4.19	4.06	1.60
0.4	7.6	15.0	7.14	6.43	5.22
0.3	6.5	5.0	5.94	5.54	3.55
	2.1	3.1	3.39	3.13	4.01
0.4	11.1	3.2	4.46	4.35	1.20
0.2	7.8	3.0	2.52	2.23	6.16
	8.0	4.8	2.66	2.25	8.41
0.6	15.9	4.2	3.54	3.40	2.03
2.7	34.6	6.5	5.49	4.00	15.68
1.1	18.8	3.6	3.44	3.08	5.45
	2.2	2.7	5.01	4.08	10.23
0.4	2.1	4.8	4.32	3.85	5.82
	0.3	2.4	2.28	3.10	-15.33
	0.6	4.8	3.71	3.29	5.95
	0.5	3.3	5.33	4.36	9.98
0.2	0.9	3.6	4.72	4.17	6.18
	0.3	2.6	5.00	3.86	12.83
	0.6	3.4	4.15	3.69	5.81
	1.1	2.7	4.38	4.01	4.41
	0.9	2.9	4.98	4.14	9.19
	0.5	5.8	5.07	3.51	18.20
	1.1	1.9	4.74	3.94	9.19
0.4	1.6	4.3	4.48	4.14	3.99
	5.7	1.4	3.20	3.23	-0.53
	5.5	2.0	3.93	3.83	1.32
1.4	20.6	1.1	3.69	3.39	4.36
1.1	11.4	1.7	4.65	4.28	4.15
1.7	25.4	1.9	4.35	4.02	3.97
1.8	27.2	1.4	4.35	3.97	4.54
15.0	110.0	0.0	7.59	7.40	1.26
0.6	31.0	0.0	4.51	4.13	4.40
0.9	38.7	0.0	4.51	4.71	-2.13
0.9	39.0	0.0	3.89	3.97	-0.96
0.2	289.0	0.0	16.13	18.49	-6.81
	40.2	0.0	5.44	5.48	-0.36
		0.0	6.87	3.94	27.15
		0.0	6.61	4.85	15.41
0.6	23.0	0.0	3.76	3.58	2.46
0.2	0.0	0.0	8.98	6.27	17.77
0.3	0.0	0.0	10.94	6.74	23.75
0.0	0.0	0.0	7.53	3.58	35.51
0.0	0.0	0.0	7.13	2.58	46.84
0.0	0.0	0.0	6.44	3.14	34.43
0.1	14.0	0.0	2.71	2.70	0.19
0.1	13.0	0.0	2.61	2.95	-6.06
0.0	13.0	0.0	2.65	2.80	-2.69
0.0	13.0	0.0	2.65	2.58	1.26
0.0	14.0	0.0	2.66	2.63	0.47
23.9	75.0	3.8	11.32	11.06	1.16
0.1	4.4	0.0	6.97	5.50	11.82

0.1	1.2	0.0	4.29	2.89	19.41
8.0	75.0	0.0	5.31	5.09	2.14
	1.3	0.0	5.37	3.38	22.74
12.7	74.0	0.0	5.91	5.72	1.62
0.2	16.0	0.0	5.51	3.69	19.85
7.6	48.9	0.0	4.31	4.40	-1.02
0.0	31.0	0.0	5.42	3.93	15.95
0.0	14.0	0.0	7.22	6.81	2.92
0.0	2.6	0.0	5.74	2.38	41.33
0.0	3.8	0.0	5.80	1.79	52.89
0.0	1.4	0.0	7.25	4.32	25.29
0.0	1.3	0.0	6.15	3.44	28.32
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11.7	46.4	11.9	6.48	6.14	2.69
11.3	45.8	11.3	5.94	5.67	2.30
10.3	37.9	5.7	4.08	4.40	-3.78
7.7	36.3	4.0	4.75	3.58	14.08
9.4	46.0	0.0	5.54	3.89	17.44
11.2	55.2	0.0	5.99	4.48	14.45
12.0	62.4	0.0	6.35	4.59	16.05
9.9	50.0	3.7	5.57	5.55	0.12
9.2	45.0	3.6	5.31	5.25	0.49
8.7	46.3	4.9	5.47	5.44	0.27
9.4	43.0	6.3	5.67	4.36	13.06
11.7	48.2	6.3	6.32	6.74	-3.24
12.3	61.4	8.6	6.10	6.05	0.35
16.1	62.7	26.9	6.82	7.57	-5.23
24.6	125.1	3.1	10.43	8.89	7.97
9.9	43.7	7.7	5.72	5.61	0.94
2.6	65.8	14.7	8.01	7.09	6.12
0.6	38.0	6.2	4.07	3.91	2.02
1.8	62.4	6.7	6.24	5.97	2.23
0.2	22.1	4.7	4.04	3.56	6.41
0.3	42.4	3.7	4.78	4.53	2.74
0.4	50.5	1.7	5.33	5.05	2.77
0.7	35.2	8.9	4.87	4.63	2.57
0.8	24.1	5.8	4.54	4.43	1.26
0.7	42.2	9.4	5.66	5.70	-0.30
	10.0	14.5	7.65	8.11	-2.90
	3.8	5.4	4.41	4.77	-3.97
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0.9	23.5	1.2	2.77	2.91	-2.48
1.1	28.8	1.9	3.93	4.05	-1.43
1.4	34.1	2.3	4.67	4.02	7.42
0.8	20.7	1.4	2.90	3.01	-1.85
0.7	16.5	1.4	2.64	2.36	5.60
0.9	20.1	1.5	2.96	2.81	2.63
0.9	20.2	1.2	3.22	2.60	10.61
0.9	33.0	2.8	4.99	3.95	11.58
0.8	38.4	3.9	6.07	4.78	11.90
0.5	19.8	1.8	3.38	2.76	10.19
0.8	28.7	1.7	3.95	3.36	8.02
0.7	25.4	1.5	3.73	3.15	8.41
0.4	16.7	1.2	2.55	2.12	9.21
0.6	23.4	1.6	3.40	3.00	6.30
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0.9	29.9	2.5	4.51	3.30	15.53
1.0	38.2	2.8	5.43	3.82	17.37
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	15.0	2.6	8.40	8.57	-0.96
1.6	21.0	3.2	7.07	6.16	6.86
	2.6	1.7	5.69	5.70	-0.09
	4.4	1.1	6.99	7.10	-0.78
0.5	8.3	1.5	7.68	7.54	0.90
0.3	6.3	1.9	6.67	5.89	6.25
0.3	4.8	1.2	5.85	4.88	9.03
3.7	36.0	2.0	7.80	6.87	6.38
1.9	17.0	1.6	3.22	3.54	-4.74
4.3	38.0	3.3	6.21	6.13	0.70
4.0	32.0	2.5	5.47	5.39	0.69
4.2	35.0	2.9	5.41	5.61	-1.75
3.9	35.0	1.7	4.85	4.96	-1.20
3.2	27.0	2.5	4.20	4.37	-2.05
0.9	15.0	1.7	8.15	8.10	0.29
3.6	43.0	2.8	7.08	6.72	2.60

0.7	14.0	3.3	9.37	9.37	0.03
9.2	48.1	2.2	6.37	6.52	-1.12
4.3	24.6	6.1	5.01	5.10	-0.88
3.9	34.0	3.7	4.65	4.82	-1.83
2.3	13.1	2.4	2.28	2.39	-2.39
2.8	16.1	2.3	2.69	3.11	-7.36
2.7	15.4	2.2	2.58	2.77	-3.60
3.4	19.5	2.7	3.43	3.46	-0.37
4.4	27.9	2.8	3.74	3.84	-1.32
3.3	19.9	2.3	3.04	3.17	-2.17
2.9	17.4	2.7	2.66	2.88	-3.96
4.5	24.8	7.1	6.40	6.48	-0.62
3.0	17.4	2.1	2.77	2.94	-2.95
0.9	19.0	1.9	10.68	10.36	1.49
0.3	5.8	1.3	5.95	5.02	8.48
0.6	11.6	3.0	8.25	7.10	7.47
4.9	56.1	1.5	7.65	7.10	3.70
3.2	33.5	3.5	5.57	5.38	1.73
2.5	32.1	1.4	4.43	4.06	4.40
3.6	37.4	1.7	5.01	4.66	3.60
2.2	26.9	1.4	3.93	3.82	1.39
2.3	28.4	1.4	3.95	3.77	2.32
3.3	25.2	1.9	3.55	3.48	1.10
2.8	27.0	3.1	4.14	4.24	-1.18
	37.6	2.0	1.88	4.11	-37.35
	37.2	1.9	1.86	4.19	-38.61
	42.6	2.0	2.13	4.80	-38.64
	43.1	2.7	2.15	5.59	-44.41
	35.5	1.4	1.77	3.75	-35.85
	29.3	1.6	1.46	3.41	-39.94
	34.7	1.2	1.73	3.67	-35.90
	9.6	3.7	0.48	6.24	-85.75
	18.9	3.2	0.94	8.35	-79.70
	15.2	4.1	0.76	7.78	-82.24
2.2	21.0	4.6	4.25	4.40	-1.75
2.2	21.0	4.7	4.25	4.49	-2.67
2.3	22.0	4.7	4.36	4.44	-0.89

12.2	35.0	3.9	4.57	4.49	0.93
11.2	31.7	4.8	4.27	4.09	2.19
12.6	36.4	7.4	4.87	4.53	3.62
11.5	33.8	6.7	4.56	4.33	2.54
12.6	33.9	4.5	4.83	4.42	4.47
9.6	29.4	3.2	4.53	4.25	3.17
11.1	36.7	2.3	5.45	5.13	3.06
13.7	56.9	2.8	7.10	6.88	1.57
24.4	88.4	2.7	10.02	9.68	1.73
27.8	81.5	2.4	9.58	9.36	1.20
0.3	15.0	3.1	3.71		
0.8	10.0	1.8	2.65		

23.3	122.0	0.0	9.55	9.60	-0.26
18.0	104.0	0.0	8.19	8.54	-2.04
11.5	70.5	0.0	5.73	5.07	6.12
8.6	49.2	0.0	4.44	4.32	1.40
4.2	24.3	0.0	5.88	6.04	-1.37
4.9	33.0	0.0	5.18	5.42	-2.26
19.0	176.0	0.0	19.70	22.30	-6.19

1.8	23.0	0.0	2.99	3.11	-1.95
1.8	24.0	0.0	3.10	3.20	-1.61
2.9	31.0	0.0	1.62	3.27	5.15
4.1	45.0	0.0	6.56	6.83	-2.03
3.1	37.0	0.0	3.84	3.96	-1.82
2.4	30.0	0.0	1.72	3.28	-0.95
2.1	27.0	0.0	3.60	3.05	-0.84
2.5	31.0	0.0	3.28	3.36	-1.34
13.8	51.1	0.0	5.48	5.44	0.40
18.6	53.0	0.0	5.40	5.35	0.46
10.7	46.0	0.0	4.12	4.18	-0.69
10.8	48.6	0.0	4.54	4.66	-13.63
10.5	49.0	0.0	4.87	5.10	-2.26
3.7	43.0	0.0	5.36	5.92	-4.64
4.5	62.0	0.0	5.60	6.45	-7.11

5.1	74.0	0.0	6.07	7.49	-10.45
14.3	68.5	0.0	7.04	6.43	4.51
12.0	65.3	0.0	6.35	6.58	-1.79
11.5	54.8	0.0	5.93	6.11	-1.57
0.3	3.6	0.0	9.23	7.31	10.28
0.2	1.3	0.0	5.69	1.87	50.56
0.3	0.9	0.0	4.72	2.32	34.00
0.3	1.0	0.0	3.89	3.71	2.43
0.6	1.8	0.0	2.66	2.24	8.64
1.1	1.4	0.0	5.20	4.54	6.74
11.3	67.8	0.0	6.43	6.70	-2.06
10.6	64.0	0.0	6.20	6.59	-3.03
10.7	65.5	0.0	5.86	6.23	-3.05
10.4	58.6	0.0	3.89	6.20	-2.59
10.5	67.0	0.0	5.47	6.14	-5.80
1.0	32.0	0.0	6.16	7.80	-11.78
12.0	65.0	0.0	4.62	5.09	-4.84
6.1	19.6	0.0	12.33	12.18	0.60
13.2	49.9	0.0	5.47	5.57	-0.91
13.8	52.8	0.0	3.64	5.96	-2.83
14.4	54.6	0.0	4.46	4.49	-0.33
11.9	57.3	0.0	5.23	2.60	53.61
10.1	40.7	0.0	4.48	4.86	-4.09
13.2	53.3	0.0	5.40	5.62	-1.97
12.7	46.9	0.0	4.85	4.94	-0.95
0.7	30.0	0.0	5.38	7.03	-13.24
0.6	20.0	0.0	4.01	3.93	0.93
0.1	9.2	0.0	6.04	5.90	1.11
0.0	2.1	0.0	5.41	5.00	3.97
0.1	1.1	0.0	6.02	5.21	7.26
0.2	1.1	0.0	6.62	3.43	33.07
0.5	1.7	0.0	7.48	7.45	0.17
0.5	1.2	0.0	3.80	3.02	11.41
0.7	2.2	0.0	4.95	1.80	46.79
0.0	0.2	0.0	3.84	3.47	5.00
0.3	2.0	0.0	8.13	5.02	23.60
0.0	1.7	0.0	6.96	6.15	6.16
0.2	0.5	0.0	4.87	4.23	7.01
0.1	0.6	0.0	6.04	2.81	53.89
0.2	0.5	0.0	4.70	4.05	7.40
0.0	0.3	0.0	5.02	4.28	7.90
0.2	3.2	0.0	17.23	8.10	36.04
0.0	0.9	0.0	13.65	6.67	34.34
0.2	4.0	0.0	18.23	9.77	30.21
0.0	0.0	0.0	4.91	3.80	12.73
0.7	2.1	0.0	6.38	4.58	16.46

13.7	28.9	0.0	6.21	6.38	-1.40
11.7	39.8	0.0	5.06	4.42	6.76
6.2	26.5	0.0	3.92	3.83	1.05
6.0	26.4	0.0	3.82	3.95	-1.64
4.7	19.0	0.0	3.24	3.18	0.97
4.8	19.4	0.0	3.17	4.15	-13.33
7.9	33.5	0.0	4.55	5.01	-4.82
2.4	14.1	0.0	3.84	3.62	2.89
1.4	8.7	0.0	3.02	3.19	-2.88
1.6	9.4	0.0	3.05	2.70	6.15
2.9	15.0	0.0	4.41	4.31	1.05
4.1	23.3	0.0	5.73	4.88	8.03
3.7	20.5	0.0	5.33	4.64	6.93
2.4	10.1	0.0	4.20	3.17	14.01
19.7	32.4	0.0	7.51	7.40	0.72
5.1	20.6	0.0	4.06	4.40	-4.03
0.3	3.4	0.0	3.53	3.59	-0.86
0.9	3.6	0.0	5.24	3.46	20.50
0.3	5.4	0.0	7.04	4.74	19.54
0.4	5.0	0.0	6.59	4.95	14.17
0.1	1.2	0.0	4.46	4.45	0.14
0.1	1.1	0.0	4.85	4.58	2.84
0.0	0.7	0.0	4.25	3.96	3.46
0.0	0.4	0.0	4.15	3.66	6.28
0.0	0.7	0.0	3.98	3.82	2.04
0.1	1.9	0.0	5.93	4.06	18.78
0.2	2.3	0.0	6.05	4.21	17.88
0.1	1.4	0.0	5.91	4.19	17.06

0.0	0.9	0.0	5.61	3.98	16.96
0.1	1.7	0.0	5.75	4.11	16.67
0.8	1.7	0.0	3.63	1.30	47.20
0.8	6.3	0.0	3.84	3.64	2.61
12.0	91.0	0.0	7.01	5.34	13.49
2.4	17.0	0.0	5.35	3.13	26.21
0.6	4.4	0.0	4.40	2.58	26.03
0.5	5.0	0.0	5.68	4.77	8.75
0.3	3.3	0.0	4.71	2.30	34.35
0.6	3.2	0.0	5.12	2.48	34.73
1.6	11.4	0.0	4.15	4.36	-2.52
2.1	19.2	0.0	8.75	9.19	-2.46
2.9	30.1	0.0	17.42	17.77	-1.00
1.8	10.3	0.0	3.97	3.65	4.22
0.7	8.6	0.0	3.33	3.31	0.26
1.3	8.4	0.0	4.32	4.05	3.18
0.3	10.0	0.0	4.87	5.23	-3.56
0.3	25.0	0.0	5.97	5.64	2.87
13.4	42.5	0.0	4.16	4.67	-5.81
12.0	91.0	0.0	7.01	5.34	13.49
0.3	17.3	0.0	3.76	2.70	16.38
11.0	55.0	0.0	4.60	4.79	-2.11
13.7	2.2	0.0	5.57	6.41	-7.06
7.6	28.7	0.0	7.58	8.39	-5.07
8.6	91.8	0.0	6.09	6.49	-3.22
9.5	91.2	0.0	7.07	6.49	4.29
20.6	115.0	0.0	8.16	6.86	8.66
23.1	117.0		8.54	7.01	9.83
21.9	116.0		9.27	7.84	8.40
1.1	13.0	0.0	3.05	2.67	6.66
0.0	0.0				
0.5	7.9	0.0	2.57	2.36	4.35
2.0	13.0	2.3	2.80	2.75	0.79
1.9	12.0	2.3	2.78	2.76	0.33
1.5	10.0	2.8	3.85	1.24	51.20
1.5	10.0	2.8	3.76	1.24	50.36
1.1	11.0	2.4	2.97	3.03	-1.10
0.3	11.0	1.7	3.09	2.87	3.67
	5.4	3.1	2.91	2.96	-0.84

Cell: D2

Comment: shieldsda:

Sources for identification of lithologic and hydrology units are:

(1) DTN: MO004QGFMPIK.000

(2) Table 6-2, Document: MDL-NBS-GS-000002

Cell: E2

Comment: shieldsda:

Sources for identification of lithologic and hydrology units are:

(1) DTN: MO004QGFMPIK.000

(2) Table 6-2, Document: MDL-NBS-GS-000002

Cell: P2

Comment: shieldsda:

"Calculated HCO_3 (mg/L)" were not calculated within this spreadsheet. Often this value is not reported in the source DTN, therefore is left blank in many cases.

The values that are given here, are reported values in the source DTNs.

Cell: Q2

Comment: shieldsda:

A value of zero in the CO_3 column means reported in the source DTN as zero. Blank cells mean that the value is not given in the source DTN.

Cell: Z2

Comment: shieldsda:

This column added to calculate charge balance. This column contains repeat data from column O.

Cell: AA2

Comment: shieldsda:

This column added to calculate charge balance. This column contains repeat data from column R.

Cell: AB2

Comment: shieldsda:

This column added to calculate charge balance. This column contains repeat data from column K.

Cell: AC2

Comment: shieldsda:

This column added to calculate charge balance. This column contains repeat data from column L.

Cell: AD2

Comment: shieldsda:

This column added to calculate charge balance. This column contains repeat data from column S.

Cell: A31

Comment: shieldsda:

Sample ECRB-SYS-CS2000/3.8-4.1/UC was deleted because it has the identical chemistry as ECRB-SYS-CS2000/3.95-4.1/UC

Cell: A76

Comment: shieldsda:

It is likely that this sample was formally referred to as "SD-9/TS/453.85" in the UN-Q DTN: GS9912999992271.001. This reasoning is based on the very similar data set (i.e. most of the determined compositions are similar).

Also, there are several inconsistencies with this sample's reported depth. Borehole samples usually give the depth in feet in the sample name. This sample gives the number "1489" in the sample name. This converted to meters is 453.85 meters, which is the number that was in the name it was formally referred to as. The source DTN now gives the depth as 488.52 meters, which is not equal to 1489 feet, but is equal to 1602.76 feet.

Cell: C76

Comment: shieldsda:

488.52 (m) depth = 1602.76 feet

Cell: C98

Comment: shieldsda:

495.41 meter depth (feet = 1625.36)

Cell: F154

Comment: shieldsda:

This DTN contains organic acid concentrations.

Cell: C159

Comment: shieldsda:

23.1 - 23.3 feet depth

Cell: C160

Comment: shieldsda:
30.1 - 30.5 feet depth

Cell: P160

Comment: shieldsda:
Value from DTN:LL000203705924.125. This is a Q DTN.

Cell: C161

Comment: shieldsda:
34.8 - 35.1 feet depth.

The water "PERM-3" is called "PERM-1" in DTN: LL000203705924.125. The calculated HCO₃ in column P came from this DTN.

Cell: P161

Comment: shieldsda:
Value from DTN:LL000203705924.125. This is a Q DTN. This water is called "PERM-1" in this DTN.

Cell: C216

Comment: shieldsda:
516.4 (m) depth (feet = 1694.23)

Cell: C217

Comment: shieldsda:
525.59 (m) depth (feet = 1724.38)

Cell: C218

Comment: shieldsda:
525.59 (m) depth (feet = 1724.38)

Cell: C219

Comment: shieldsda:
525.59 (m) depth (feet = 1724.38)

Cell: C220

Comment: shieldsda:
525.59 (m) depth (feet = 1724.38)

Cell: F265

Comment: shieldsda:
This DTN contains organic acid concentrations.

Cell: F300

Comment: shieldsda:
This DTN contains organic acid concentrations which are not given in this spreadsheet.

Cell: C359

Comment: shieldsda:
413.98 (m) depth (feet = 1358.20)

Cell: C360

Comment: shieldsda:
413.98 (m) depth (feet = 1358.20)

Cell: C361

Comment: shieldsda:
417.29 (m) depth (feet = 1369.06)

Cell: C362

Comment: shieldsda:
420.6 (m) depth (feet = 1379.92)

Cell: C363

Comment: shieldsda:
417.55 (m) depth (feet = 1369.91)

Cell: C364

Comment: shieldsda:
417.55 (m) depth (feet = 1369.91)

Cell: C365

Comment: shieldsda:
420.6 (m) depth (feet = 1379.92)

Cell: C366

Comment: shieldsda:
420.6 (m) depth (feet = 1379.92)

Cell: C481

Comment: shieldsda:

466.04 (m) depth (feet = 1529)

Cell: C483

Comment: shieldsda:

698.82 (m) depth (2292.72 feet)

