R2844866

W-37D	N	1.	3	9	B
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Water Type Dissolved Solids Density Conductivity Hardness (as CaCO Total Carbonate Non-Carbonate	Na-SO ₄ 7866.9 mg/kg 1.0029 g/cm ³ 8190 μmho/cm ³ 3327 mg/kg 2355.2 971.8		7890 mg/L 3336.8 mg/L 2362.1 974.65	Measured Calculated Measured Calculated			
Primary Tests Anion-Cation Bala	nce						
Anions		111					
Cations		107					
% Difference		1.663		OK			
Measured TDS = C	alculated TDS						
Measured		7866.	872				
Calculated		7892.	317				
Ratio		0,997		Not within range 1.0 to 1.2			
Measured EC = Ca	Measured EC = Calculated EC						
Measured		8190.	000				
Calculated		6651.	422				
Ratio		1.231		Not within range 0.9 to 1.1			
Secondary Tests							
Measured EC and	Ion Sums:						
Anions		1.354		Not within preferred range (0.9-1.1)			
Cations		1,309	750	Not within preferred range (0.9-1.1)			
Calculated TDS to		0.964		Not within preferred range (0.55-0.7)			
Measured TDS to I	EC ratio	0.961		Not within preferred range (0.55-0.7)			
Organic Mass Bala	<u>ince</u>						
$\overline{DOC} \ge Sum of Org$	ganics						
DOC unavailable	5						

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TR-2B						
Water Type	Na-HCO ₃					
Dissolved Solids	576.46 mg/kg	575 mg/L	Measured			
Density	0.99747 g/cm ³		Calculated			
Conductivity	968 µmho/cm		Measured			
Hardness (as CaCO	+		~ ~ ~ ~			
Total	155.92 mg/kg	155.52 mg/L	Calculated			
Carbonate	155.92	155.52				
Non-Carbonate	0,0	0.0				
Primary Tests						
Anion-Cation Bala	nce					
Anions	2	1.2				
Cations	8.91					
% Difference	40.723		Not within $\pm 5\%$			
Measured TDS = Calculated TDS						
Measured	Aeasured 576.4					
Calculated	1	350.153				
Ratio	0),427	Not within range 1.0 to 1.2			
Measured EC = Ca	lculated EC					
Measured	9	068.000				
Calculated	1	248.256				
Ratio	C),775	Not within range 0.9 to 1.1			
Secondary Tests						
Measured EC and	Ion Sums:					
Anions	2	2.185146	Not within preferred range (0.9-1.1)			
Cations	(),920458	Within preferred range (0.9-1.1)			
Calculated TDS to	EC ratio 1	1.395	Not within preferred range (0.55-0.7)			
Measured TDS to	EC ratio ().596	OK			
Organic Mass Bala	ance					
$\overline{DOC} \ge Sum of Org$	ganics					
DOC unavailable	3					

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			M-69B
Mictor Truno	Na-Cl		
Water Type Dissolved Solids	4627.6 mg/kg	4630 mg/L	Measured
Density	1.0005 g/cm^3	4050 mg/L	Calculated
Conductivity	5730 µmho/cr	n	Measured
Hardness (as CaCC		14	1110001101
	*	1506 ma/I	Calculated
Total	1505.2 mg/kg 1505.2	1506 mg/L 1506	Calculatou
Carbonate	0.0	0.0	
Non-Carbonate	0.0	0.0	
Briman: Fosts			
Primary Tests Anion-Cation Bala	n 00		
Anions		74.3	
Cations		63.1	
% Difference		8.134	Not within $\pm 5\%$
Measured TDS = C	alculated TDS		
Measured		4627,631	
Calculated		5130.074	
Ratio		0,902	Not within range 1.0 to 1.2
Measured $EC = Ca$	alculated EC		U U
Measured		5730.000	
Calculated		4781.989	
Ratio		1.198	Not within range 0.9 to 1.1
Secondary Tests			-
Measured EC and	Ion Sums:		
Anions		1.297055	Not within preferred range (0.9-1.1)
Cations		1.101924	Not within preferred range (0.9-1.1)
Calculated TDS to	EC ratio	0.895	Not within preferred range (0.55-0.7)
Measured TDS to		0.808	Not within preferred range (0.55-0.7)
Organic Mass Bal			~ - · · ·
$DOC \ge Sum of Or$			
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				1-BB
Water Type	Na-HCO3			
Dissolved Solids	4547.9 mg/kg		4550 mg/L	Measured
Density	1.0005 g/cm ³			Calculated
Conductivity	6130 µmho/cr	n		Measured
Hardness (as CaCC				
Total	1401.1 mg/kg		1401.8 mg/L	Calculated
Carbonate	1401.1		1401.8	
Non-Carbonate	0.0		0.0	
Primary Tests				
Anion-Cation Bala	nce			
Anions		80.1		
Cations		62.9		
% Difference		11.984	•	Not within \pm 5%
Measured TDS = C	Calculated TDS			
Measured		4547.9	044	
Calculated	5635.4		52	
Ratio	0.807			Not within range 1.0 to 1.2
Measured EC = Ca	lculated EC			
Measured		6130.0	-	
Calculated		4792.5	52	
Ratio		1.279		Not within range 0.9 to 1.1
Secondary Tests				
Measured EC and	Ion Sums:			
Anions		1.3064		Not within preferred range (0.9-1.1)
Cations	1.026807		307	Within preferred range (0.9-1.1)
Calculated TDS to		0.919		Not within preferred range (0.55-0.7)
Measured TDS to I	EC ratio	0.742		Not within preferred range (0.55-0.7)
<u>Organic Mass Bala</u>				
$DOC \ge Sum of Org$	2			
DOC unavailable	2			

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Water Type	Na-SO ₄		
Dissolved Solids	6706.1 mg/kg	6720 mg/L	Measured
Density	1.0021 g/cm ³		Calculated
Conductivity	7190 µmho/cn	1	Measured
Hardness (as CaCC) ₃)		
Total	2062.1 mg/kg	2066.4 mg/L	Calculated
Carbonate	1702.4	1706	
Non-Carbonate	359.7	360.44	
Primary Tests			
Anion-Cation Bala	nce		
Anions		94.7	
Cations		88.9	
% Difference		3.141	OK
Measured TDS = C			
Measured		6706.117	
Calculated		6745.934	
Ratio		0,994	Not within range 1.0 to 1.2
Measured EC = Ca	ilculated EC		
Measured		7190.000	
Calculated		6106.431	
Ratio		1.177	Not within range 0.9 to 1.1
Secondary Tests			
Measured EC and	Ion Sums:		
Anions		1.316921	Not within preferred range (0.9-1.1)
Cations		1.236713	Not within preferred range (0.9-1.1)
Calculated TDS to	ALC	0.938	Not within preferred range (0.55-0.7)
Measured TDS to I		0.933	Not within preferred range (0.55-0.7)
<u>Organic Mass Bala</u>			
$DOC \ge Sum of Org$			
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M-96BF

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M-48B						
Water Type	Na-HCO ₃					
Dissolved Solids	3221.8 mg/kg	3220 mg/L	Measured			
Density	0.99946 g/cm ³	Ũ	Calculated			
Conductivity	3870 µmho/cm		Measured			
Hardness (as CaCC) ₃)					
Total	1008.6 mg/kg	1008.1 mg/L	Calculated			
Carbonate	1008.6	1008.1				
Non-Carbonate	0.0	0.0				
Primary Tests Anion-Cation Balance						
Anions	59.	6				
Cations	42.					
% Difference	16.735		Not within \pm 5%			
Measured TDS = Calculated TDS						
Measured	3221.750					
Calculated	418	8.175				
Ratio	0.769		Not within range 1.0 to 1.2			
Measured EC = Ca	lculated EC					
Measured	3870.000					
Calculated	350	8.027				
Ratio	1.1	03	Not within range 0.9 to 1.1			
Secondary Tests						
Measured EC and						
Anions		41208	Not within preferred range (0.9-1.1)			
Cations		99313	Within preferred range (0.9-1.1)			
Calculated TDS to			Not within preferred range (0.55-0.7)			
Measured TDS to I		32	Not within preferred range (0.55-0.7)			
Organic Mass Bala						
$DOC \ge Sum of Org$						
DOC unavailable						

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			TR-4B
Water Type	Na-HCO ₃		
Dissolved Solids	922.1 mg/kg	920 mg/L	Measured
Density	0.99773 g/cm ³	;	Calculated
Conductivity	1440 µmho/cn	n	Measured
Hardness (as CaCC) ₃)		
Total	324.21 mg/kg	323.47 mg/L	Calculated
Carbonate	324.21	323.47	
Non-Carbonate	0,0	0.0	
Primary Tests Anion-Cation Bala	nce		
Anions		23.4	
Cations	13		
% Difference	28.424		Not within \pm 5%
Measured TDS = C	Calculated TDS		
Measured		922,096	
Calculated	1442.249		
Ratio		0.639	Not within range 1.0 to 1.2
Measured EC = Ca	lculated EC		
Measured		1440.000	
Calculated		1585.785	
Ratio		0,908	OK
Secondary Tests			
Measured EC and	Ion Sums:		
Anions	1.623815		Not within preferred range (0.9-1.1)
Cations	0.905025		Within preferred range (0.9-1.1)
Calculated TDS to		1.002	Not within preferred range (0.55-0.7)
Measured TDS to I	EC ratio	0.640	OK
Organic Mass Bala			
$DOC \ge Sum of Org$			
DOC unavailable	2		

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		(CLD3-RB
Wator Tomo	Na-Cl		
Water Type Dissolved Solids	12520 mg/kg	12600 mg/L	Measured
Dissolved Solids Density	12520 mg/kg 1.0064 g/cm^3	12000 mg/L	Calculated
Conductivity	16800 μmho/c	***	Measured
Hardness (as CaCC	•		measure.
Total	2591.5 mg/kg	2608.2 mg/L	Calculated
Carbonate	195 58	196.84	Calculated
Non-Carbonate	2395.9	2411.3	
	<u> </u>		
Primary Tests			
Anion-Cation Bala	nce		
Anions		199	
Cations		193	077
% Difference		1.588	OK
Measured $TDS = C$	alculated TDS	10510 570	
Measured		12519.563	
Calculated		12073.310	OK
Ratio Measured EC = C:	-1)-4) WA	1.037	UK
Measured $EC = C$	alculated EC	16800.000	
Calculated		12320.152	
Ratio		1.364	Not within range 0.9 to 1.1
Secondary Tests		1.004	Not within lange 0.9 to 1.1
Measured EC and	Ion Sume		
Anions	1011 301113,	1.185133	Not within preferred range (0.9-1.1)
Cations		1.148090	Not within preferred range (0.9-1.1)
Calculated TDS to	FC ratio	0.719	Not within preferred range (0.55-0.7)
Measured TDS to		0.745	Not within preferred range (0.55-0.7)
Organic Mass Bal		0,170	The million protocology ange (0.55-0.7)
$\frac{OTgame mass Dat}{DOC \ge Sum of Or}$			
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CLD1-RB

Water Type Dissolved Solids Density Conductivity Hardness (as CaCC Total Carbonate Non-Carbonate	Na-Cl 5742.3 mg/kg 1.0013 g/cm ³ 7810 µmho/cm 9 ₃) 1207.2 mg/kg 325.99 881.22	-	Measured Calculated Measured Calculated
Primary Tests Anion-Cation Bala	nce		
Anions		86.4	
Cations		86.4	
% Difference		0.011	OK
Measured TDS = C			
Measured		5742,261	
Calculated		5458.796	
Ratio		1.052	OK
Measured EC = Ca	lculated EC		
Measured		7810.000	
Calculated		6330.194	
Ratio		1,234	Not within range 0.9 to 1.1
Secondary Tests			
Measured EC and	Ion Sums:		
Anions		1.105683	Not within preferred range (0.9-1.1)
Cations		1.105935	Not within preferred range (0.9-1.1)
Calculated TDS to	EC ratio	0.699	OK
Measured TDS to I	EC ratio	0.735	Not within preferred range (0.55-0.7)
Organic Mass Bala DOC ≥ Sum of Org DOC unavailable	ganics		

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O ₄ 8 mg/kg 883 g/cm ³ µmho/cm	2380 mg/L	Measured
83 g/cm ³	2380 mg/L	Measured
83 g/cm ³		LY LOGOLI VG
umbo/cm		Calculated
punno/om		Measured
-		
.8 mg/kg	1037.5 mg/L	Calculated
3	103.51	
.3	934.03	
36		
** **		
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ns:		
	6144	Not within preferred range (0.9-1.1)
1.13	1732	Not within preferred range (0.9-1.1)
io 0.73	9	Not within preferred range (0.55-0.7)
o 0.75	9	Not within preferred range (0.55-0.7)
	35.5 0,63 2382 2319 1.02 d EC 3140 3063 1.02 ns: 1.14 1.13 io 0.73	35.5 0.633 ted TDS 2382.797 2319.733 1.027 d EC 3140.000 3063.943 1.025 ms: 1.146144 1.131732 io 0.739

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	M-123B				
Water Type	Na-Cl				
Dissolved Solids	12716 mg/kg	12800 mg/L	Measured		
Dissorved Sonds Density	1.0066 g/cm^3	12000 mg/L	Calculated		
r	16900 µmho/cm		Measured		
Conductivity	·		Measurea		
Hardness (as CaCO		0105 0 /I	Calandada d		
Total	2092.1 mg/kg	2105.9 mg/L	Calculated		
Carbonate	329.19	331.35			
Non-Carbonate	1763	1774.5			
Primary Tests					
Anion-Cation Bala		/			
Anions	18	-			
Cations	195		OV.		
% Difference	2.337		OK		
Measured $TDS = C$		71/ 400			
Measured		716.423			
Calculated		351.853	01/		
Ratio	1.120		OK		
Measured $EC = Ca$		000 000			
Measured		900.000			
Calculated		183.556			
Ratio	1.1	387	Not within range 0.9 to 1.1		
Secondary Tests					
Measured EC and					
Anions		102393	Not within preferred range $(0.9-1.1)$		
Cations		155161	Not within preferred range (0.9-1.1)		
Calculated TDS to		572	OK		
Measured TDS to I	E C ratio 0.7	752	Not within preferred range (0.55-0.7)		
Organic Mass Bala	ince				
$DOC \ge Sum of Org$	anics				
DOC unavailable					

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Martin	Linit	M-398	TR-2B		-698	1-19.19	3639-18	M-489	18-4B	CLD3-R8	CLU 1-100	0177.10		
			- 10 MB	14.600	*	1.2482	AA9688F	M-488	TR-48	CL03-RB	CLD1-RB	M-1248	N=123B	
:	Iext	841-3583	G7-W	2100.001		- 1. milet (1. milet) 	4440207	14416470	1116373	1116921	1116922	1117196	1117197	
LIMS ID	text	1115782	1115783	1115/84		11/3/00		110010	10 10 10 1 2 1			of Addition		275/000
Calcium	luo/L	33	642000 2930	29300.0	331000	314000	4.1	219000			¥		2	0.000.00
Advectoring:		42		20000.0	165000	15000	1 78000	112000					Q	284000
	politica.	376		7140	36200.0	39200.0	25300.0	15200.0	10200.0	~	1	-	Q,	52100.0
L'OBSSIN					UNSOUGA	UCOUSE.		506000	145000	3.2166	6 1.42E6		30	3.4966
Sodium	1972	>>	solar so		V Wstu	0.000			UN.	478000	134000	~~	2600.0 ND	
Choate	1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -		4050 NU					· · · · · · · · ·	ND.	2980		153	2080	345
Perchiorate	[15]A.	2	0X		(N3)THAC	NAME OF								000
Bicarbonate	mg/L		1440	888	1320	1530	1040	1360	717	7 120				707
Carbonate	moli.	GN	ON	NO		ND	ON	NC.	QN	CN)	QN	Q	GN	
Chundela			976	124	851	828	552	436	306			1690	387	0865
Conductivity	pumho/cm		8190	968	5730	6130	0.5.2	5870	1440	0 16800.0		7810	3140	16300.0
Fluoride	ាទ្វក													
:	1/6ua													
Nitrate	mg/L		7.92	1.24	64	64.5	36.6	5 32.7	7 1.47			18.4	0.25	3.2.6
Phosohorus	mal.	GN	0.0	0.0516 ND		QN	QN	SON.	<u>ON</u>	QN	DN	0.0	CIN POSOT	
Dissofted Solids	ma/L		7890	575	4630	4550	0 6720	0 3220		920 12600.0		5750 23	2360	12800.0
C	been line of the second		2030	148	10501	971	1 2530	0[784		143 2430		16.0] 13	130	2040

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