



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100303-001
Client Sample ID: T2/MA-10-(0-6")

Report Date: 12/17/08
Collection Date: 10/21/08 17:00
Date Received: 10/23/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.4	s.u.		0.1		ASAM10-3.2	10/30/08 07:40 / sah
Conductivity, sat. paste	0.66	mmhos/cm		0.01		ASA10-3	10/30/08 12:23 / sah
Saturation	43.4	%		0.1		USDA27a	10/30/08 09:11 / sah
Calcium, sat. paste	3.12	meq/l		0.05		SW6010B	11/10/08 09:00 / sld
Magnesium, sat. paste	1.85	meq/l		0.08		SW6010B	11/10/08 09:00 / sld
Sodium, sat. paste	1.01	meq/l		0.04		SW6010B	11/10/08 09:00 / sld
Sodium Adsorption Ratio (SAR)	0.64	unitless		0.01		Calculation	11/21/08 13:59 / sah
Bicarbonate, sat. paste	5.07	meq/L		0.02		ASA10-3	11/05/08 12:31 / abb
PHYSICAL CHARACTERISTICS							
Sand	30	%		1		ASA15-5	10/30/08 15:30 / sah
Silt	50	%		1		ASA15-5	10/30/08 15:30 / sah
Clay	20	%		1		ASA15-5	10/30/08 15:30 / sah
Texture	SiL	unitless				ASA15-5	10/30/08 15:30 / sah
CHEMICAL CHARACTERISTICS							
Potassium, NH4OAc Extractable	317	mg/kg		1		ASA13-3	11/07/08 15:53 / sld
Cation Exchange Capacity	26.1	meq/100g		0.09		SW6010B	11/04/08 12:07 / sld
Organic Matter	3.07	%		0.02		ASA29-3	11/03/08 15:48 / sah
Lime as CaCO3	8.2	%		0.1		USDA23c	11/03/08 13:00 / sah
Phosphorus	5.1	mg/kg		0.1		ASA24-5	11/07/08 17:07 / stp
Nitrate as N, KCL Extract	9.9	mg/kg		1.0		ASA38-3	12/15/08 19:24 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.42	meq/100g		0.0044		SW6010B	11/07/08 15:53 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	11/21/08 13:59 / sah
Exchangeable Sodium Percentage	1.5	%		0.1		USDA20a	11/21/08 13:59 / sah
INORGANICS							
Fluoride	0.84	mg/kg		0.10		E300.0	11/24/08 15:47 / abb
Sulfate, sat. paste	1.1	meq/L		0.021		E300.0	11/24/08 15:47 / abb
Chloride, sat. paste	0.68	meq/L		0.028		E300.0	11/24/08 15:47 / abb
METALS, DTPA EXTRACTABLE							
Zinc	0.67	mg/kg		0.02		SW6010B	11/07/08 11:33 / sld
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.05		E270.3	11/11/08 12:04 / eau

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



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Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100303-001
Client Sample ID: T2/MA-10-(0-6")

Report Date: 12/17/08
Collection Date: 10/21/08 17:00
Date Received: 10/23/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Barium	1.3	mg/kg		0.20		SW6010B	11/07/08 12:19 / sld
Boron	0.39	mg/kg		0.20		SW6010B	11/07/08 12:19 / sld

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100303-002
Client Sample ID: T2/MA-10-(6-12")

Report Date: 12/17/08
Collection Date: 10/21/08 17:00
Date Received: 10/23/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.7	s.u.		0.1		ASAM10-3.2	10/30/08 07:41 / sah
Conductivity, sat. paste	0.45	mmhos/cm		0.01		ASA10-3	10/30/08 12:23 / sah
Saturation	41.4	%		0.1		USDA27a	10/30/08 09:11 / sah
Calcium, sat. paste	1.86	meq/l		0.05		SW6010B	11/10/08 09:02 / sld
Magnesium, sat. paste	1.19	meq/l		0.08		SW6010B	11/10/08 09:02 / sld
Sodium, sat. paste	1.30	meq/l		0.04		SW6010B	11/10/08 09:02 / sld
Sodium Adsorption Ratio (SAR)	1.0	unitless		0.01		Calculation	11/21/08 13:59 / sah
Bicarbonate, sat. paste	2.92	meq/L		0.02		ASA10-3	11/05/08 12:31 / abb
PHYSICAL CHARACTERISTICS							
Sand	28	%		1		ASA15-5	10/30/08 15:30 / sah
Silt	50	%		1		ASA15-5	10/30/08 15:30 / sah
Clay	22	%		1		ASA15-5	10/30/08 15:30 / sah
Texture	SiL	unitless				ASA15-5	10/30/08 15:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	24.1	meq/100g		0.09		SW6010B	11/04/08 12:09 / sld
Lime as CaCO3	8.8	%		0.1		USDA23c	11/03/08 13:00 / sah
Nitrate as N, KCL Extract	5.6	mg/kg		1.0		ASA38-3	12/15/08 19:26 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.57	meq/100g		0.0044		SW6010B	11/07/08 15:56 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	11/21/08 13:59 / sah
Exchangeable Sodium Percentage	2.2	%		0.1		USDA20a	11/21/08 13:59 / sah
INORGANICS							
Sulfate, sat. paste	1.4	meq/L		0.021		E300.0	11/24/08 16:06 / abb
Chloride, sat. paste	0.39	meq/L		0.028		E300.0	11/24/08 16:06 / abb

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100303-003
Client Sample ID: T2/MA-10-(12-24")

Report Date: 12/17/08
Collection Date: 10/21/08 17:00
Date Received: 10/23/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	8.0	s.u.		0.1		ASAM10-3.2	10/30/08 07:42 / sah
Conductivity, sat. paste	0.71	mmhos/cm		0.01		ASA10-3	10/30/08 12:24 / sah
Saturation	41.4	%		0.1		USDA27a	10/30/08 09:11 / sah
Calcium, sat. paste	1.77	meq/l		0.05		SW6010B	11/10/08 09:05 / sld
Magnesium, sat. paste	2.32	meq/l		0.08		SW6010B	11/10/08 09:05 / sld
Sodium, sat. paste	2.84	meq/l		0.04		SW6010B	11/10/08 09:05 / sld
Sodium Adsorption Ratio (SAR)	2.0	unitless		0.01		Calculation	11/21/08 13:59 / sah
Bicarbonate, sat. paste	3.18	meq/L		0.02		ASA10-3	11/05/08 12:31 / abb
PHYSICAL CHARACTERISTICS							
Sand	24	%		1		ASA15-5	10/30/08 15:30 / sah
Silt	54	%		1		ASA15-5	10/30/08 15:30 / sah
Clay	22	%		1		ASA15-5	10/30/08 15:30 / sah
Texture	SiL	unitless				ASA15-5	10/30/08 15:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	23.2	meq/100g		0.09		SW6010B	11/04/08 12:12 / sld
Lime as CaCO3	11.2	%		0.1		USDA23c	11/03/08 13:00 / sah
Nitrate as N, KCL Extract	6.9	mg/kg		1.0		ASA38-3	12/15/08 19:28 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.80	meq/100g		0.0044		SW6010B	11/07/08 15:58 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.7	meq/100g		0.1		Calculation	11/21/08 13:59 / sah
Exchangeable Sodium Percentage	2.9	%		0.1		USDA20a	11/21/08 13:59 / sah
INORGANICS							
Sulfate, sat. paste	2.7	meq/L		0.021		E300.0	11/24/08 16:26 / abb
Chloride, sat. paste	0.49	meq/L		0.028		E300.0	11/24/08 16:26 / abb

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 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100303-004
Client Sample ID: T2/MA-10-(24-36")

Report Date: 12/17/08
Collection Date: 10/21/08 17:00
Date Received: 10/23/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.9	s.u.		0.1		ASAM10-3.2	10/30/08 07:43 / sah
Conductivity, sat. paste	2.59	mmhos/cm		0.01		ASA10-3	10/30/08 12:24 / sah
Saturation	40.7	%		0.1		USDA27a	10/30/08 09:11 / sah
Calcium, sat. paste	6.17	meq/l		0.05		SW6010B	11/10/08 09:08 / sld
Magnesium, sat. paste	15.4	meq/l		0.08		SW6010B	11/10/08 09:08 / sld
Sodium, sat. paste	8.22	meq/l		0.04		SW6010B	11/10/08 09:08 / sld
Sodium Adsorption Ratio (SAR)	2.5	unitless		0.01		Calculation	11/21/08 13:59 / sah
Bicarbonate, sat. paste	2.58	meq/L		0.02		ASA10-3	11/05/08 12:31 / abb
PHYSICAL CHARACTERISTICS							
Sand	30	%		1		ASA15-5	10/30/08 15:30 / sah
Silt	50	%		1		ASA15-5	10/30/08 15:30 / sah
Clay	20	%		1		ASA15-5	10/30/08 15:30 / sah
Texture	SiL	unitless				ASA15-5	10/30/08 15:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	20.5	meq/100g		0.09		SW6010B	11/04/08 12:14 / sld
Lime as CaCO3	9.5	%		0.1		USDA23c	11/03/08 13:00 / sah
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.2	meq/100g		0.0044		SW6010B	11/07/08 16:01 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	11/21/08 13:59 / sah
Exchangeable Sodium Percentage	4.2	%		0.1		USDA20a	11/21/08 13:59 / sah
INORGANICS							
Chloride, sat. paste	0.73	meq/L		0.028		E300.0	11/24/08 16:45 / abb

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100303-005
Client Sample ID: T2/MA-10-(36-60")

Report Date: 12/17/08
Collection Date: 10/21/08 17:00
Date Received: 10/23/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.9	s.u.		0.1		ASAM10-3.2	10/30/08 07:44 / sah
Conductivity, sat. paste	4.81	mmhos/cm		0.01		ASA10-3	10/30/08 12:25 / sah
Saturation	37.3	%		0.1		USDA27a	10/30/08 09:11 / sah
Calcium, sat. paste	10.5	meq/l		0.05		SW6010B	11/10/08 09:15 / sld
Magnesium, sat. paste	31.6	meq/l		0.08		SW6010B	11/10/08 09:15 / sld
Sodium, sat. paste	17.8	meq/l		0.04		SW6010B	11/10/08 09:15 / sld
Sodium Adsorption Ratio (SAR)	3.9	unitless		0.01		Calculation	11/21/08 13:59 / sah
Bicarbonate, sat. paste	2.39	meq/L		0.02		ASA10-3	11/05/08 12:31 / abb
PHYSICAL CHARACTERISTICS							
Sand	42	%		1		ASA15-5	10/30/08 15:30 / sah
Silt	40	%		1		ASA15-5	10/30/08 15:30 / sah
Clay	18	%		1		ASA15-5	10/30/08 15:30 / sah
Texture	L	unitless				ASA15-5	10/30/08 15:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	17.1	meq/100g		0.09		SW6010B	11/04/08 12:17 / sld
Lime as CaCO3	10.2	%		0.1		USDA23c	11/03/08 13:00 / sah
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.6	meq/100g		0.0044		SW6010B	11/07/08 16:03 / sld
EXCHANGEABLES							
Exchangeable Sodium	1.0	meq/100g		0.1		Calculation	11/21/08 13:59 / sah
Exchangeable Sodium Percentage	5.6	%		0.1		USDA20a	11/21/08 13:59 / sah
INORGANICS							
Fluoride	1.9	mg/kg		0.10		E300.0	11/24/08 17:05 / abb
Chloride, sat. paste	1.2	meq/L		0.028		E300.0	11/24/08 17:05 / abb
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.05		E270.3	11/11/08 12:05 / eau
METALS, CaCl2 EXTRACTABLE							
Barium	ND	mg/kg		0.20		SW6010B	11/07/08 12:22 / sld
Boron	0.32	mg/kg		0.20		SW6010B	11/07/08 12:22 / sld

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100303-006
Client Sample ID: T2/MA-10-(60-96")

Report Date: 12/17/08
Collection Date: 10/21/08 17:00
Date Received: 10/23/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.8	s.u.		0.1		ASAM10-3.2	10/30/08 07:45 / sah
Conductivity, sat. paste	2.96	mmhos/cm		0.01		ASA10-3	10/30/08 12:25 / sah
Saturation	27.8	%		0.1		USDA27a	10/30/08 09:11 / sah
Calcium, sat. paste	8.86	meq/l		0.05		SW6010B	11/10/08 09:18 / sld
Magnesium, sat. paste	16.5	meq/l		0.08		SW6010B	11/10/08 09:18 / sld
Sodium, sat. paste	9.16	meq/l		0.04		SW6010B	11/10/08 09:18 / sld
Sodium Adsorption Ratio (SAR)	2.6	unitless		0.01		Calculation	11/21/08 13:59 / sah
Bicarbonate, sat. paste	1.99	meq/L		0.02		ASA10-3	11/05/08 12:32 / abb
PHYSICAL CHARACTERISTICS							
Sand	62	%		1		ASA15-5	10/30/08 15:30 / sah
Silt	26	%		1		ASA15-5	10/30/08 15:30 / sah
Clay	12	%		1		ASA15-5	10/30/08 15:30 / sah
Texture	SL	unitless				ASA15-5	10/30/08 15:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	12.1	meq/100g		0.09		SW6010B	11/04/08 12:25 / sld
Lime as CaCO3	8.6	%		0.1		USDA23c	11/03/08 13:00 / sah
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.88	meq/100g		0.0044		SW6010B	11/07/08 16:06 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	11/21/08 13:59 / sah
Exchangeable Sodium Percentage	5.2	%		0.1		USDA20a	11/21/08 13:59 / sah
INORGANICS							
Chloride, sat. paste	0.82	meq/L		0.028		E300.0	11/24/08 17:24 / abb

Report Definitions: RL - Analyte reporting limit.
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 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100303-007
Client Sample ID: T2/MA-10-(0-2")

Report Date: 12/17/08
Collection Date: 10/21/08 17:00
Date Received: 10/23/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.5	s.u.		0.1		ASAM10-3.2	10/30/08 07:46 / sah
Conductivity, sat. paste	0.68	mmhos/cm		0.01		ASA10-3	10/30/08 12:26 / sah
Saturation	45.7	%		0.1		USDA27a	10/30/08 09:11 / sah
Calcium, sat. paste	3.11	meq/l		0.05		SW6010B	11/10/08 09:20 / sld
Magnesium, sat. paste	1.90	meq/l		0.08		SW6010B	11/10/08 09:20 / sld
Sodium, sat. paste	0.74	meq/l		0.04		SW6010B	11/10/08 09:20 / sld
Sodium Adsorption Ratio (SAR)	0.47	unitless		0.01		Calculation	11/21/08 13:59 / sah
Bicarbonate, sat. paste	5.17	meq/L		0.02		ASA10-3	11/05/08 12:32 / abb
PHYSICAL CHARACTERISTICS							
Sand	28	%		1		ASA15-5	10/30/08 15:30 / sah
Silt	50	%		1		ASA15-5	10/30/08 15:30 / sah
Clay	22	%		1		ASA15-5	10/30/08 15:30 / sah
Texture	SiL	unitless				ASA15-5	10/30/08 15:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	26.4	meq/100g		0.09		SW6010B	11/04/08 12:27 / sld
Lime as CaCO ₃	8.4	%		0.1		USDA23c	11/03/08 13:00 / sah
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.37	meq/100g		0.0044		SW6010B	11/07/08 16:08 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.3	meq/100g		0.1		Calculation	11/21/08 13:59 / sah
Exchangeable Sodium Percentage	1.3	%		0.1		USDA20a	11/21/08 13:59 / sah
INORGANICS							
Chloride, sat. paste	0.34	meq/L		0.028		E300.0	11/24/08 17:43 / abb

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.