



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100412-001
Client Sample ID: T2/DA-10-(0-6")

Report Date: 12/31/08
Collection Date: 10/23/08 17:00
Date Received: 10/28/08
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	12/08/08 07:39 / sah
Conductivity, sat. paste	0.99	mmhos/cm		0.01		ASA10-3	12/09/08 09:36 / sah
Saturation	40.3	%		0.1		USDA27a	12/08/08 08:10 / wj
Calcium, sat. paste	4.79	meq/l		0.05		SW6010B	12/11/08 12:33 / sld
Magnesium, sat. paste	2.82	meq/l		0.08		SW6010B	12/11/08 12:33 / sld
Sodium, sat. paste	2.03	meq/l		0.04		SW6010B	12/11/08 12:33 / sld
Sodium Adsorption Ratio (SAR)	1.0	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	7.36	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	47	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	37	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	16	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	L	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Potassium, NH4OAc Extractable	152	mg/kg		1		ASA13-3	12/18/08 14:59 / sld
Cation Exchange Capacity	17.4	meq/100g		0.09		SW6010B	12/10/08 18:49 / sld
Organic Matter	2.47	%		0.02		ASA29-3	12/12/08 13:32 / sah
Lime as CaCO3	7.2	%		0.1		USDA23c	12/20/08 00:00 / wj
Phosphorus	6.8	mg/kg		0.1		ASA24-5	12/19/08 15:43 / stp
Nitrate as N, KCL Extract	27	mg/kg		1.0		ASA38-3	12/19/08 15:36 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.57	meq/100g		0.0044		SW6010B	12/18/08 14:59 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	2.8	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Fluoride	0.76	mg/kg		0.10		E300.0	12/12/08 22:18 / hm
Sulfate, sat. paste	3.5	meq/L		0.021		E300.0	12/12/08 22:18 / hm
Chloride, sat. paste	0.31	meq/L		0.028		E300.0	12/12/08 22:18 / hm
METALS, DTPA EXTRACTABLE							
Zinc	0.50	mg/kg		0.02		SW6010B	12/17/08 13:41 / sld
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.05		E270.3	12/18/08 12:10 / 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: H08100412-001
Client Sample ID: T2/DA-10-(0-6")

Report Date: 12/31/08
Collection Date: 10/23/08 17:00
Date Received: 10/28/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Barium	0.95	mg/kg		0.20		SW6010B	12/23/08 09:38 / sld
Boron	0.36	mg/kg		0.20		SW6010B	12/23/08 09:38 / sld

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100412-002
Client Sample ID: T2/DA-10-(6-12")

Report Date: 12/31/08
Collection Date: 10/23/08 17:00
Date Received: 10/28/08
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	12/08/08 07:40 / sah
Conductivity, sat. paste	3.45	mmhos/cm		0.01		ASA10-3	12/09/08 09:36 / sah
Saturation	35.3	%		0.1		USDA27a	12/08/08 08:10 / wj
Calcium, sat. paste	13.8	meq/l		0.05		SW6010B	12/11/08 12:35 / sld
Magnesium, sat. paste	9.97	meq/l		0.08		SW6010B	12/11/08 12:35 / sld
Sodium, sat. paste	18.8	meq/l		0.04		SW6010B	12/11/08 12:35 / sld
Sodium Adsorption Ratio (SAR)	5.5	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	4.97	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	47	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	37	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	16	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	L	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	15.7	meq/100g		0.09		SW6010B	12/10/08 18:57 / sld
Lime as CaCO3	7.6	%		0.1		USDA23c	12/20/08 00:00 / wj
Nitrate as N, KCL Extract	11	mg/kg		1.0		ASA38-3	12/19/08 14:58 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.9	meq/100g		0.0044		SW6010B	12/18/08 15:02 / sld
EXCHANGEABLES							
Exchangeable Sodium	1.2	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	7.8	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Sulfate, sat. paste	40	meq/L		0.021		E300.0	12/12/08 22:37 / hm
Chloride, sat. paste	0.55	meq/L		0.028		E300.0	12/12/08 22:37 / hm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100412-003
Client Sample ID: T2/DA-10-(12-24")

Report Date: 12/31/08
Collection Date: 10/23/08 17:00
Date Received: 10/28/08
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	12/08/08 07:43 / sah
Conductivity, sat. paste	5.56	mmhos/cm		0.01		ASA10-3	12/09/08 09:36 / sah
Saturation	31.3	%		0.1		USDA27a	12/08/08 08:10 / wj
Calcium, sat. paste	15.9	meq/l		0.05		SW6010B	12/11/08 12:38 / sld
Magnesium, sat. paste	16.2	meq/l		0.08		SW6010B	12/11/08 12:38 / sld
Sodium, sat. paste	42.5	meq/l		0.04		SW6010B	12/11/08 12:38 / sld
Sodium Adsorption Ratio (SAR)	11	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	3.98	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	55	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	31	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	14	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	SL	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	15.1	meq/100g		0.09		SW6010B	12/10/08 19:00 / sld
Lime as CaCO3	7.5	%		0.1		USDA23c	12/20/08 00:00 / wj
Nitrate as N, KCL Extract	11	mg/kg		1.0		ASA38-3	12/19/08 15:00 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	3.2	meq/100g		0.0044		SW6010B	12/18/08 15:04 / sld
EXCHANGEABLES							
Exchangeable Sodium	1.9	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	13	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Sulfate, sat. paste	73	meq/L		0.021		E300.0	12/12/08 22:56 / hm
Chloride, sat. paste	1.1	meq/L		0.028		E300.0	12/12/08 22:56 / hm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100412-004
Client Sample ID: T2/DA-10-(24-36")

Report Date: 12/31/08
Collection Date: 10/23/08 17:00
Date Received: 10/28/08
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	12/08/08 07:43 / sah
Conductivity, sat. paste	6.32	mmhos/cm		0.01		ASA10-3	12/09/08 09:37 / sah
Saturation	30.7	%		0.1		USDA27a	12/08/08 08:11 / wj
Calcium, sat. paste	10.8	meq/l		0.05		SW6010B	12/11/08 12:40 / sld
Magnesium, sat. paste	15.7	meq/l		0.08		SW6010B	12/11/08 12:40 / sld
Sodium, sat. paste	54.9	meq/l		0.04		SW6010B	12/11/08 12:40 / sld
Sodium Adsorption Ratio (SAR)	15	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	3.78	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	51	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	37	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	12	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	L	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	12.5	meq/100g		0.09		SW6010B	12/10/08 19:02 / sld
Lime as CaCO3	7.6	%		0.1		USDA23c	12/20/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	3.8	meq/100g		0.0044		SW6010B	12/18/08 15:07 / sld
EXCHANGEABLES							
Exchangeable Sodium	2.1	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	17	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Chloride, sat. paste	1.2	meq/L		0.028		E300.0	12/12/08 23:16 / hm

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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: H08100412-005
Client Sample ID: T2/DA-10-(36-60")

Report Date: 12/31/08
Collection Date: 10/23/08 17:00
Date Received: 10/28/08
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	12/08/08 07:44 / sah
Conductivity, sat. paste	7.18	mmhos/cm		0.01		ASA10-3	12/09/08 09:38 / sah
Saturation	27.2	%		0.1		USDA27a	12/08/08 08:11 / wj
Calcium, sat. paste	15.1	meq/l		0.05		SW6010B	12/11/08 12:43 / sld
Magnesium, sat. paste	21.2	meq/l		0.08		SW6010B	12/11/08 12:43 / sld
Sodium, sat. paste	61.2	meq/l		0.04		SW6010B	12/11/08 12:43 / sld
Sodium Adsorption Ratio (SAR)	14	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	3.18	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	65	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	24	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	11	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	SL	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	11.2	meq/100g		0.09		SW6010B	12/10/08 19:05 / sld
Lime as CaCO3	6.2	%		0.1		USDA23c	12/20/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	3.2	meq/100g		0.0044		SW6010B	12/18/08 15:10 / sld
EXCHANGEABLES							
Exchangeable Sodium	1.5	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	14	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Fluoride	1.0	mg/kg		0.10		E300.0	12/12/08 23:35 / hm
Chloride, sat. paste	1.3	meq/L		0.028		E300.0	12/12/08 23:35 / hm
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.05		E270.3	12/18/08 12:12 / eau
METALS, CaCl2 EXTRACTABLE							
Barium	ND	mg/kg		0.20		SW6010B	12/23/08 09:41 / sld
Boron	0.38	mg/kg		0.20		SW6010B	12/23/08 09:41 / sld

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100412-006
Client Sample ID: T2/DA-10-(60-96")

Report Date: 12/31/08
Collection Date: 10/23/08 17:00
Date Received: 10/28/08
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	12/08/08 07:44 / sah
Conductivity, sat. paste	4.22	mmhos/cm		0.01		ASA10-3	12/09/08 09:38 / sah
Saturation	24.2	%		0.1		USDA27a	12/08/08 08:11 / wj
Calcium, sat. paste	6.33	meq/l		0.05		SW6010B	12/11/08 12:46 / sld
Magnesium, sat. paste	7.44	meq/l		0.08		SW6010B	12/11/08 12:46 / sld
Sodium, sat. paste	37.7	meq/l		0.04		SW6010B	12/11/08 12:46 / sld
Sodium Adsorption Ratio (SAR)	14	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	1.59	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	67	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	23	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	10	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	SL	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	11.3	meq/100g		0.09		SW6010B	12/10/08 19:07 / sld
Lime as CaCO3	4.6	%		0.1		USDA23c	12/20/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	2.6	meq/100g		0.0044		SW6010B	12/18/08 15:12 / sld
EXCHANGEABLES							
Exchangeable Sodium	1.6	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	15	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Chloride, sat. paste	0.74	meq/L		0.028		E300.0	12/16/08 03:19 / hm

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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: H08100412-007
Client Sample ID: T2/DA-10-(0-2")

Report Date: 12/31/08
Collection Date: 10/23/08 17:00
Date Received: 10/28/08
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	12/08/08 07:45 / sah
Conductivity, sat. paste	1.00	mmhos/cm		0.01		ASA10-3	12/09/08 09:38 / sah
Saturation	36.6	%		0.1		USDA27a	12/08/08 08:11 / wj
Calcium, sat. paste	4.19	meq/l		0.05		SW6010B	12/11/08 12:48 / sld
Magnesium, sat. paste	2.42	meq/l		0.08		SW6010B	12/11/08 12:48 / sld
Sodium, sat. paste	3.03	meq/l		0.04		SW6010B	12/11/08 12:48 / sld
Sodium Adsorption Ratio (SAR)	1.7	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	10.5	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	45	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	39	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	16	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	L	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	17.9	meq/100g		0.09		SW6010B	12/10/08 19:10 / sld
Lime as CaCO3	7.1	%		0.1		USDA23c	12/20/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.65	meq/100g		0.0044		SW6010B	12/18/08 15:15 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	3.0	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Chloride, sat. paste	0.36	meq/L		0.028		E300.0	12/16/08 03:38 / hm

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

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