



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-008
Client Sample ID: T2/GC-10-(0-6")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:08 / sah
Conductivity, sat. paste	0.60	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	58.7	%		0.1		USDA27a	12/08/08 08:03 / wj
Calcium, sat. paste	3.20	meq/l		0.05		SW6010B	12/11/08 11:10 / sld
Magnesium, sat. paste	1.96	meq/l		0.08		SW6010B	12/11/08 11:10 / sld
Sodium, sat. paste	1.02	meq/l		0.04		SW6010B	12/11/08 11:10 / sld
Sodium Adsorption Ratio (SAR)	0.64	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	5.57	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	8	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	52	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	40	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	SiC	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Potassium, NH4OAc Extractable	246	mg/kg		1		ASA13-3	12/12/08 14:35 / sld
Cation Exchange Capacity	29.4	meq/100g		0.09		SW6010B	12/12/08 10:46 / sld
Organic Matter	4.23	%		0.02		ASA29-3	12/12/08 13:31 / sah
Lime as CaCO3	7.9	%		0.1		USDA23c	12/11/08 00:00 / wj
Phosphorus	11	mg/kg		0.1		ASA24-5	12/19/08 15:38 / stp
Nitrate as N, KCL Extract	23	mg/kg		1.0		ASA38-3	12/19/08 15:30 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.51	meq/100g		0.0044		SW6010B	12/12/08 14:35 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	1.5	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Fluoride	0.54	mg/kg		0.10		E300.0	12/12/08 11:36 / hm
Sulfate, sat. paste	0.76	meq/L		0.021		E300.0	12/12/08 11:36 / hm
Chloride, sat. paste	0.41	meq/L		0.028		E300.0	12/12/08 11:36 / hm
METALS, DTPA EXTRACTABLE							
Zinc	0.55	mg/kg		0.02		SW6010B	12/17/08 13:23 / sld
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.05		E270.3	12/09/08 10:15 / 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: H08100399-008
Client Sample ID: T2/GC-10-(0-6")

Report Date: 12/29/08
Collection Date: 10/22/08 17:00
Date Received: 10/28/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Barium	1.1	mg/kg		0.20		SW6010B	12/08/08 14:34 / sld
Boron	ND	mg/kg		0.20		SW6010B	12/08/08 14:34 / sld

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-009
Client Sample ID: T2/GC-10-(6-12")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:08 / sah
Conductivity, sat. paste	0.48	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	56.2	%		0.1		USDA27a	12/08/08 08:03 / wj
Calcium, sat. paste	2.21	meq/l		0.05		SW6010B	12/11/08 11:12 / sld
Magnesium, sat. paste	1.37	meq/l		0.08		SW6010B	12/11/08 11:12 / sld
Sodium, sat. paste	1.11	meq/l		0.04		SW6010B	12/11/08 11:12 / sld
Sodium Adsorption Ratio (SAR)	0.83	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	3.78	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	8	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	52	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	40	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	SiC	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	28.8	meq/100g		0.09		SW6010B	12/12/08 10:49 / sld
Lime as CaCO3	8.3	%		0.1		USDA23c	12/11/08 00:00 / wj
Nitrate as N, KCL Extract	15	mg/kg		1.0		ASA38-3	12/19/08 14:30 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.55	meq/100g		0.0044		SW6010B	12/12/08 14:38 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	1.7	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Sulfate, sat. paste	0.97	meq/L		0.021		E300.0	12/12/08 11:56 / hm
Chloride, sat. paste	0.21	meq/L		0.028		E300.0	12/12/08 11:56 / hm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-010
Client Sample ID: T2/GC-10-(12-24")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:09 / sah
Conductivity, sat. paste	0.42	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	43.3	%		0.1		USDA27a	12/08/08 08:03 / wj
Calcium, sat. paste	1.57	meq/l		0.05		SW6010B	12/11/08 11:15 / sld
Magnesium, sat. paste	1.03	meq/l		0.08		SW6010B	12/11/08 11:15 / sld
Sodium, sat. paste	1.21	meq/l		0.04		SW6010B	12/11/08 11:15 / sld
Sodium Adsorption Ratio (SAR)	1.1	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	2.58	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	20	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	50	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	30	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	SiCL	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	22.3	meq/100g		0.09		SW6010B	12/12/08 10:51 / sld
Lime as CaCO3	8.7	%		0.1		USDA23c	12/11/08 00:00 / wj
Nitrate as N, KCL Extract	11	mg/kg		1.0		ASA38-3	12/19/08 14:32 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.56	meq/100g		0.0044		SW6010B	12/12/08 14:45 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	2.3	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Sulfate, sat. paste	1.5	meq/L		0.021		E300.0	12/12/08 12:15 / hm
Chloride, sat. paste	0.22	meq/L		0.028		E300.0	12/12/08 12:15 / hm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-011
Client Sample ID: T2/GC-10-(24-36")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:10 / sah
Conductivity, sat. paste	0.63	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	43.4	%		0.1		USDA27a	12/08/08 08:03 / wj
Calcium, sat. paste	2.49	meq/l		0.05		SW6010B	12/11/08 11:20 / sld
Magnesium, sat. paste	1.64	meq/l		0.08		SW6010B	12/11/08 11:20 / sld
Sodium, sat. paste	1.85	meq/l		0.04		SW6010B	12/11/08 11:20 / sld
Sodium Adsorption Ratio (SAR)	1.3	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	2.78	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	18	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	54	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	28	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	SiCL	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	22.3	meq/100g		0.09		SW6010B	12/12/08 10:57 / sld
Lime as CaCO3	8.0	%		0.1		USDA23c	12/11/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.68	meq/100g		0.0044		SW6010B	12/12/08 14:51 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	2.7	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Chloride, sat. paste	0.33	meq/L		0.028		E300.0	12/12/08 12:54 / hm

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 QCL - Quality control 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: H08100399-012
Client Sample ID: T2/GC-10-(36-60")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:10 / sah
Conductivity, sat. paste	1.38	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	36.4	%		0.1		USDA27a	12/08/08 08:03 / wj
Calcium, sat. paste	6.41	meq/l		0.05		SW6010B	12/11/08 11:28 / sld
Magnesium, sat. paste	4.43	meq/l		0.08		SW6010B	12/11/08 11:28 / sld
Sodium, sat. paste	2.51	meq/l		0.04		SW6010B	12/11/08 11:28 / sld
Sodium Adsorption Ratio (SAR)	1.1	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	1.99	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	20	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	56	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	24	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	SiL	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	18.9	meq/100g		0.09		SW6010B	12/12/08 10:59 / sld
Lime as CaCO3	7.6	%		0.1		USDA23c	12/11/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.67	meq/100g		0.0044		SW6010B	12/12/08 14:53 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	3.1	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Fluoride	0.76	mg/kg		0.10		E300.0	12/12/08 13:14 / hm
Chloride, sat. paste	0.41	meq/L		0.028		E300.0	12/12/08 13:14 / hm
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.05		E270.3	12/09/08 10:20 / eau
METALS, CaCl2 EXTRACTABLE							
Barium	0.33	mg/kg		0.20		SW6010B	12/08/08 14:36 / sld
Boron	ND	mg/kg		0.20		SW6010B	12/08/08 14:36 / sld

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control 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: H08100399-013
Client Sample ID: T2/GC-10-(60-96")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:11 / sah
Conductivity, sat. paste	1.31	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	29.0	%		0.1		USDA27a	12/08/08 08:03 / wj
Calcium, sat. paste	6.06	meq/l		0.05		SW6010B	12/11/08 11:31 / sld
Magnesium, sat. paste	4.96	meq/l		0.08		SW6010B	12/11/08 11:31 / sld
Sodium, sat. paste	2.47	meq/l		0.04		SW6010B	12/11/08 11:31 / sld
Sodium Adsorption Ratio (SAR)	1.0	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	2.19	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	54	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	30	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	16	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	SL	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	14.4	meq/100g		0.09		SW6010B	12/12/08 11:07 / sld
Lime as CaCO3	7.2	%		0.1		USDA23c	12/11/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.56	meq/100g		0.0044		SW6010B	12/12/08 14:56 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	3.4	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Chloride, sat. paste	0.38	meq/L		0.028		E300.0	12/12/08 13:33 / hm

Report Definitions: RL - Analyte reporting limit.
 QCL - Quality control 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: H08100399-014
Client Sample ID: T2/GC-10-(0-2")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:11 / sah
Conductivity, sat. paste	0.80	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	61.0	%		0.1		USDA27a	12/08/08 08:04 / wj
Calcium, sat. paste	4.59	meq/l		0.05		SW6010B	12/11/08 11:33 / sld
Magnesium, sat. paste	2.77	meq/l		0.08		SW6010B	12/11/08 11:33 / sld
Sodium, sat. paste	0.71	meq/l		0.04		SW6010B	12/11/08 11:33 / sld
Sodium Adsorption Ratio (SAR)	0.37	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	7.55	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	4	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	58	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	38	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	SiCL	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	29.7	meq/100g		0.09		SW6010B	12/12/08 11:09 / sld
Lime as CaCO3	8.1	%		0.1		USDA23c	12/11/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.43	meq/100g		0.0044		SW6010B	12/12/08 14:58 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	1.3	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Chloride, sat. paste	0.54	meq/L		0.028		E300.0	12/12/08 13:52 / hm

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

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