



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc.
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100412-015
Client Sample ID: T2/BA-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	7.3	s.u.		0.1		ASAM10-3.2	12/08/08 07:52 / sah
Conductivity, sat. paste	0.74	mmhos/cm		0.01		ASA10-3	12/09/08 09:41 / sah
Saturation	47.8	%		0.1		USDA27a	12/08/08 08:12 / wj
Calcium, sat. paste	3.87	meq/l		0.05		SW6010B	12/11/08 13:17 / sld
Magnesium, sat. paste	2.04	meq/l		0.08		SW6010B	12/11/08 13:17 / sld
Sodium, sat. paste	1.42	meq/l		0.04		SW6010B	12/11/08 13:17 / sld
Sodium Adsorption Ratio (SAR)	0.83	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	6.16	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	19	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	33	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	48	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	C	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Potassium, NH4OAc Extractable	166	mg/kg		1		ASA13-3	12/18/08 15:43 / sld
Cation Exchange Capacity	27.2	meq/100g		0.09		SW6010B	12/10/08 19:38 / sld
Organic Matter	2.51	%		0.02		ASA29-3	12/12/08 13:32 / sah
Lime as CaCO3	5.7	%		0.1		USDA23c	12/20/08 00:00 / wj
Phosphorus	14	mg/kg		0.1		ASA24-5	12/19/08 15:45 / stp
Nitrate as N, KCL Extract	20	mg/kg		1.0		ASA38-3	12/19/08 15:10 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.50	meq/100g		0.0044		SW6010B	12/18/08 15:43 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	1.6	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Fluoride	1.1	mg/kg		0.10		E300.0	12/16/08 08:49 / hm
Sulfate, sat. paste	1.2	meq/L		0.021		E300.0	12/16/08 08:49 / hm
Chloride, sat. paste	0.53	meq/L		0.028		E300.0	12/16/08 08:49 / hm
METALS, DTPA EXTRACTABLE							
Zinc	3.21	mg/kg		0.02		SW6010B	12/17/08 13:47 / sld
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.05		E270.3	12/18/08 12:18 / eau
Selenium	ND	mg/kg		0.05		E270.3	12/18/08 12:28 / eau

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: H08100412-015
Client Sample ID: T2/BA-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	1.2	mg/kg		0.20		SW6010B	12/23/08 09:54 / sld
Boron	0.29	mg/kg		0.20		SW6010B	12/23/08 09:54 / sld

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: H08100412-016
Client Sample ID: T2/BA-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	7.5	s.u.		0.1		ASAM10-3.2	12/08/08 07:52 / sah
Conductivity, sat. paste	0.58	mmhos/cm		0.01		ASA10-3	12/09/08 09:42 / sah
Saturation	45.4	%		0.1		USDA27a	12/08/08 08:12 / wj
Calcium, sat. paste	2.73	meq/l		0.05		SW6010B	12/11/08 13:19 / sld
Magnesium, sat. paste	1.52	meq/l		0.08		SW6010B	12/11/08 13:19 / sld
Sodium, sat. paste	1.71	meq/l		0.04		SW6010B	12/11/08 13:19 / sld
Sodium Adsorption Ratio (SAR)	1.2	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	4.57	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	17	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	55	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	28	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	SiCL	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	25.3	meq/100g		0.09		SW6010B	12/10/08 19:46 / sld
Lime as CaCO3	6.2	%		0.1		USDA23c	12/20/08 00:00 / wj
Nitrate as N, KCL Extract	9.3	mg/kg		1.0		ASA38-3	12/19/08 15:16 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.62	meq/100g		0.0044		SW6010B	12/18/08 15:56 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	2.1	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Sulfate, sat. paste	1.5	meq/L		0.021		E300.0	12/16/08 09:56 / hm
Chloride, sat. paste	0.31	meq/L		0.028		E300.0	12/16/08 09:56 / hm

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: H08100412-017
Client Sample ID: T2/BA-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	7.6	s.u.		0.1		ASAM10-3.2	12/08/08 07:53 / sah
Conductivity, sat. paste	1.12	mmhos/cm		0.01		ASA10-3	12/09/08 09:42 / sah
Saturation	40.2	%		0.1		USDA27a	12/08/08 08:13 / wj
Calcium, sat. paste	4.16	meq/l		0.05		SW6010B	12/11/08 13:22 / sld
Magnesium, sat. paste	3.11	meq/l		0.08		SW6010B	12/11/08 13:22 / sld
Sodium, sat. paste	4.66	meq/l		0.04		SW6010B	12/11/08 13:22 / sld
Sodium Adsorption Ratio (SAR)	2.4	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	4.17	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	21	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	57	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	22	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	SiL	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	22.6	meq/100g		0.09		SW6010B	12/10/08 19:49 / sld
Lime as CaCO3	6.6	%		0.1		USDA23c	12/20/08 00:00 / wj
Nitrate as N, KCL Extract	8.1	mg/kg		1.0		ASA38-3	12/19/08 15:18 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.88	meq/100g		0.0044		SW6010B	12/18/08 15:59 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.7	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	3.1	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Sulfate, sat. paste	6.5	meq/L		0.021		E300.0	12/16/08 10:16 / hm
Chloride, sat. paste	0.38	meq/L		0.028		E300.0	12/16/08 10:16 / hm

Report RL - Analyte reporting limit.
Definitions: 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: H08100412-018
Client Sample ID: T2/BA-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	7.6	s.u.		0.1		ASAM10-3.2	12/08/08 07:54 / sah
Conductivity, sat. paste	2.46	mmhos/cm		0.01		ASA10-3	12/09/08 09:42 / sah
Saturation	34.8	%		0.1		USDA27a	12/08/08 08:13 / wj
Calcium, sat. paste	9.93	meq/l		0.05		SW6010B	12/11/08 13:25 / sld
Magnesium, sat. paste	8.43	meq/l		0.08		SW6010B	12/11/08 13:25 / sld
Sodium, sat. paste	9.96	meq/l		0.04		SW6010B	12/11/08 13:25 / sld
Sodium Adsorption Ratio (SAR)	3.3	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	2.98	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	39	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	45	%		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	18.3	meq/100g		0.09		SW6010B	12/10/08 19:51 / sld
Lime as CaCO3	5.8	%		0.1		USDA23c	12/20/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.2	meq/100g		0.0044		SW6010B	12/18/08 16:01 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	4.7	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Chloride, sat. paste	0.75	meq/L		0.028		E300.0	12/16/08 10:35 / hm

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: H08100412-019
Client Sample ID: T2/BA-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	7.6	s.u.		0.1		ASAM10-3.2	12/08/08 07:55 / sah
Conductivity, sat. paste	2.15	mmhos/cm		0.01		ASA10-3	12/09/08 09:42 / sah
Saturation	33.3	%		0.1		USDA27a	12/08/08 08:13 / wj
Calcium, sat. paste	8.92	meq/l		0.05		SW6010B	12/11/08 13:38 / sld
Magnesium, sat. paste	6.82	meq/l		0.08		SW6010B	12/11/08 13:38 / sld
Sodium, sat. paste	8.78	meq/l		0.04		SW6010B	12/11/08 13:38 / sld
Sodium Adsorption Ratio (SAR)	3.1	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	2.58	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	43	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	43	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	14	%		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	17.3	meq/100g		0.09		SW6010B	12/10/08 19:59 / sld
Lime as CaCO3	5.8	%		0.1		USDA23c	12/20/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.0	meq/100g		0.0044		SW6010B	12/18/08 16:04 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.7	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	4.3	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Fluoride	1.3	mg/kg		0.10		E300.0	12/16/08 10:55 / hm
Chloride, sat. paste	1.0	meq/L		0.028		E300.0	12/16/08 10:55 / hm
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.05		E270.3	12/18/08 12:20 / eau
Selenium	ND	mg/kg		0.05		E270.3	12/18/08 12:30 / eau
METALS, CaCl2 EXTRACTABLE							
Barium	0.25	mg/kg		0.20		SW6010B	12/23/08 09:56 / sld
Boron	0.26	mg/kg		0.20		SW6010B	12/23/08 09:56 / sld

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: H08100412-020
Client Sample ID: T2/BA-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	7.8	s.u.		0.1		ASAM10-3.2	12/08/08 07:55 / sah
Conductivity, sat. paste	1.20	mmhos/cm		0.01		ASA10-3	12/09/08 09:43 / sah
Saturation	28.7	%		0.1		USDA27a	12/08/08 08:13 / wj
Calcium, sat. paste	3.85	meq/l		0.05		SW6010B	12/11/08 13:40 / sld
Magnesium, sat. paste	2.68	meq/l		0.08		SW6010B	12/11/08 13:40 / sld
Sodium, sat. paste	5.70	meq/l		0.04		SW6010B	12/11/08 13:40 / sld
Sodium Adsorption Ratio (SAR)	3.2	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	69	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	21	%		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	11.7	meq/100g		0.09		SW6010B	12/10/08 20:02 / sld
Lime as CaCO3	5.2	%		0.1		USDA23c	12/20/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.74	meq/100g		0.0044		SW6010B	12/18/08 16:06 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	5.0	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Chloride, sat. paste	0.52	meq/L		0.028		E300.0	12/16/08 11:14 / hm

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: H08100412-021
Client Sample ID: T2/BA-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 07:57 / sah
Conductivity, sat. paste	0.63	mmhos/cm		0.01		ASA10-3	12/09/08 09:43 / sah
Saturation	47.2	%		0.1		USDA27a	12/08/08 08:13 / wj
Calcium, sat. paste	3.56	meq/l		0.05		SW6010B	12/11/08 13:45 / sld
Magnesium, sat. paste	1.80	meq/l		0.08		SW6010B	12/11/08 13:45 / sld
Sodium, sat. paste	1.27	meq/l		0.04		SW6010B	12/11/08 13:45 / sld
Sodium Adsorption Ratio (SAR)	0.78	unitless		0.01		Calculation	12/18/08 10:24 / wj
Bicarbonate, sat. paste	5.77	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	17	%		1		ASA15-5	12/05/08 16:30 / sah
Silt	57	%		1		ASA15-5	12/05/08 16:30 / sah
Clay	26	%		1		ASA15-5	12/05/08 16:30 / sah
Texture	SiL	unitless				ASA15-5	12/05/08 16:30 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	26.2	meq/100g		0.09		SW6010B	12/10/08 20:07 / sld
Lime as CaCO3	5.7	%		0.1		USDA23c	12/20/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.44	meq/100g		0.0044		SW6010B	12/18/08 16:12 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	12/18/08 10:24 / wj
Exchangeable Sodium Percentage	1.5	%		0.1		USDA20a	12/18/08 10:24 / wj
INORGANICS							
Chloride, sat. paste	0.58	meq/L		0.028		E300.0	12/16/08 11:53 / hm

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

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