



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - Tier II (Formerly referred to as AMPP)
 Lab ID: H07090308-001
 Client Sample ID: T2/BHA-10-(0-6")

Report Date: 11/01/07
 Collection Date: 09/24/07 17:00
 Date Received: 09/26/07
 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	10/04/07 08:43 / jjm
Conductivity, sat. paste	0.74	mmhos/cm		0.01		ASAM10-3	10/04/07 08:43 / jjm
Saturation	56.7	%		0.1		USDA27a	10/04/07 08:43 / jjm
Sodium Adsorption Ratio (SAR)	2.7	unitless		0.01		Calculation	10/04/07 08:43 / jjm
Bicarbonate, sat. paste	3.33	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	2.31	meq/l		0.05		SW6010B	10/09/07 17:26 / skd
Magnesium, sat. paste	1.00	meq/l		0.08		SW6010B	10/09/07 17:26 / skd
Sodium, sat. paste	3.47	meq/l		0.04		SW6010B	10/09/07 17:26 / skd
Sulfate, sat. paste	2.77	meq/l		0.02		SW6010B	10/09/07 17:26 / skd
Chloride, sat. paste	1.64	meq/L		0.03		SW6010B	10/09/07 17:26 / skd
PHYSICAL CHARACTERISTICS							
Sand	12	%		1		ASA15-5	10/04/07 08:43 / jjm
Silt	43	%		1		ASA15-5	10/04/07 08:43 / jjm
Clay	45	%		1		ASA15-5	10/04/07 08:43 / jjm
Texture	SiC	unitless				ASA15-5	10/04/07 08:43 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	10/28/07 00:00 / sld
Potassium, NH4OAc Extractable	321	meq/100g		1		ASA13-3	10/09/07 12:33 / skd
Organic Matter	1.52	%		0.02		ASA29-3	10/04/07 08:21 / jjm
Cation Exchange Capacity	32.0	meq/100g		0.09		SW6010B	10/18/07 08:28 / skd
Lime as CaCO3	2.6	%		0.1		USDA23c	10/04/07 00:00 / jjm
Phosphorus	18	mg/kg		0.1		ASA24-5	10/09/07 12:01 / sld
Nitrate as N, KCL Extract	17	mg/kg	D	2.5		ASA38-3	10/08/07 13:43 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.39	meq/100g		0.04		SW6010B	10/09/07 12:33 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.2	meq/100g		0.1		Calculation	10/04/07 08:43 / jjm
Exchangeable Sodium Percentage	3.7	%		0.1		USDA20a	10/04/07 08:43 / jjm
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.005		E270.3	10/20/07 11:25 / skd
METALS, DTPA EXTRACTABLE							
Zinc	0.60	mg/kg		0.02		SW6010B	10/10/07 12:20 / skd

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

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

D - RL increased due to sample matrix interference.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP - Tier II (Formerly referred to as AMPP)
Lab ID: H07090308-001
Client Sample ID: T2/BHA-10-(0-6")

Report Date: 11/01/07
Collection Date: 09/24/07 17:00
DateReceived: 09/26/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Barium	0.84	mg/kg		0.20		SW6010B	10/10/07 11:06 / skd
Boron	0.50	mg/kg		0.20		SW6010B	10/10/07 11:06 / skd

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: H07090308-002
 Client Sample ID: T2/BHA-10-(6-12")

Report Date: 11/01/07
 Collection Date: 09/24/07 17:00
 Date Received: 09/26/07
 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	10/04/07 08:43 / jjm
Conductivity, sat. paste	0.66	mmhos/cm		0.01		ASAM10-3	10/04/07 08:43 / jjm
Saturation	58.3	%		0.1		USDA27a	10/04/07 08:43 / jjm
Sodium Adsorption Ratio (SAR)	2.3	unitless		0.01		Calculation	10/04/07 08:43 / jjm
Bicarbonate, sat. paste	2.00	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	2.51	meq/l		0.05		SW6010B	10/09/07 17:28 / skd
Magnesium, sat. paste	1.05	meq/l		0.08		SW6010B	10/09/07 17:28 / skd
Sodium, sat. paste	3.07	meq/l		0.04		SW6010B	10/09/07 17:28 / skd
Sulfate, sat. paste	3.41	meq/l		0.02		SW6010B	10/09/07 17:28 / skd
Chloride, sat. paste	0.70	meq/L		0.03		SW6010B	10/09/07 17:28 / skd
PHYSICAL CHARACTERISTICS							
Sand	9	%		1		ASA15-5	10/04/07 08:43 / jjm
Silt	45	%		1		ASA15-5	10/04/07 08:43 / jjm
Clay	46	%		1		ASA15-5	10/04/07 08:43 / jjm
Texture	SiC	unitless				ASA15-5	10/04/07 08:43 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	27.6	meq/100g		0.09		SW6010B	10/18/07 08:36 / skd
Lime as CaCO3	2.7	%		0.1		USDA23c	10/04/07 00:00 / jjm
Nitrate as N, KCL Extract	13	mg/kg	D	2.5		ASA38-3	10/08/07 13:45 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.24	meq/100g		0.04		SW6010B	10/09/07 12:35 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.1	meq/100g		0.1		Calculation	10/04/07 08:43 / jjm
Exchangeable Sodium Percentage	3.8	%		0.1		USDA20a	10/04/07 08:43 / jjm

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

D - RL increased due to sample matrix interference.

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: H07090308-003
 Client Sample ID: T2/BHA-10-(12-24")

Report Date: 11/01/07
 Collection Date: 09/24/07 17:00
 Date Received: 09/26/07
 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	10/04/07 08:43 / jjm
Conductivity, sat. paste	0.60	mmhos/cm		0.01		ASAM10-3	10/04/07 08:43 / jjm
Saturation	57.1	%		0.1		USDA27a	10/04/07 08:43 / jjm
Sodium Adsorption Ratio (SAR)	2.3	unitless		0.01		Calculation	10/04/07 08:43 / jjm
Bicarbonate, sat. paste	2.66	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	1.78	meq/l		0.05		SW6010B	10/09/07 17:31 / skd
Magnesium, sat. paste	0.93	meq/l		0.08		SW6010B	10/09/07 17:31 / skd
Sodium, sat. paste	2.65	meq/l		0.04		SW6010B	10/09/07 17:31 / skd
Sulfate, sat. paste	3.41	meq/l		0.02		SW6010B	10/09/07 17:31 / skd
Chloride, sat. paste	0.70	meq/L		0.03		SW6010B	10/09/07 17:31 / skd
PHYSICAL CHARACTERISTICS							
Sand	7	%		1		ASA15-5	10/04/07 08:43 / jjm
Silt	45	%		1		ASA15-5	10/04/07 08:43 / jjm
Clay	48	%		1		ASA15-5	10/04/07 08:43 / jjm
Texture	SiC	unitless				ASA15-5	10/04/07 08:43 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	23.2	meq/100g		0.09		SW6010B	10/18/07 08:38 / skd
Lime as CaCO3	4.9	%		0.1		USDA23c	10/04/07 00:00 / jjm
Nitrate as N, KCL Extract	4.5	mg/kg		1.0		ASA38-3	10/08/07 13:29 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.49	meq/100g		0.04		SW6010B	10/09/07 12:38 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.3	meq/100g		0.1		Calculation	10/04/07 08:43 / jjm
Exchangeable Sodium Percentage	5.8	%		0.1		USDA20a	10/04/07 08:43 / jjm

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: H07090308-004
 Client Sample ID: T2/BHA-10-(24-36")

Report Date: 11/01/07
 Collection Date: 09/24/07 17:00
 Date Received: 09/26/07
 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	10/04/07 08:43 / jjm
Conductivity, sat. paste	2.31	mmhos/cm		0.01		ASAM10-3	10/04/07 08:43 / jjm
Saturation	54.6	%		0.1		USDA27a	10/04/07 08:43 / jjm
Sodium Adsorption Ratio (SAR)	1.6	unitless		0.01		Calculation	10/04/07 08:43 / jjm
Bicarbonate, sat. paste	2.00	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	15.1	meq/l		0.05		SW6010B	10/09/07 17:34 / skd
Magnesium, sat. paste	8.61	meq/l		0.08		SW6010B	10/09/07 17:34 / skd
Sodium, sat. paste	5.59	meq/l		0.04		SW6010B	10/09/07 17:34 / skd
Chloride, sat. paste	0.50	meq/L		0.03		SW6010B	10/09/07 17:34 / skd
PHYSICAL CHARACTERISTICS							
Sand	6	%		1		ASA15-5	10/04/07 08:43 / jjm
Silt	46	%		1		ASA15-5	10/04/07 08:43 / jjm
Clay	48	%		1		ASA15-5	10/04/07 08:43 / jjm
Texture	SiC	unitless				ASA15-5	10/04/07 08:43 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	23.4	meq/100g		0.09		SW6010B	10/18/07 08:41 / skd
Lime as CaCO3	4.5	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.54	meq/100g		0.04		SW6010B	10/09/07 12:45 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.2	meq/100g		0.1		Calculation	10/04/07 08:43 / jjm
Exchangeable Sodium Percentage	5.3	%		0.1		USDA20a	10/04/07 08:43 / jjm

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: H07090308-005
 Client Sample ID: T2/BHA-10-(36-60")

Report Date: 11/01/07
 Collection Date: 09/24/07 17:00
 Date Received: 09/26/07
 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	10/04/07 08:43 / jjm
Conductivity, sat. paste	2.94	mmhos/cm		0.01		ASAM10-3	10/04/07 08:43 / jjm
Saturation	47.6	%		0.1		USDA27a	10/04/07 08:43 / jjm
Sodium Adsorption Ratio (SAR)	2.0	unitless		0.01		Calculation	10/04/07 08:43 / jjm
Bicarbonate, sat. paste	1.33	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	16.9	meq/l		0.05		SW6010B	10/09/07 17:36 / skd
Magnesium, sat. paste	8.41	meq/l		0.08		SW6010B	10/09/07 17:36 / skd
Sodium, sat. paste	7.20	meq/l		0.04		SW6010B	10/09/07 17:36 / skd
Chloride, sat. paste	0.70	meq/L		0.03		SW6010B	10/09/07 17:36 / skd
PHYSICAL CHARACTERISTICS							
Sand	12	%		1		ASA15-5	10/04/07 08:43 / jjm
Silt	51	%		1		ASA15-5	10/04/07 08:43 / jjm
Clay	37	%		1		ASA15-5	10/04/07 08:43 / jjm
Texture	SiCL	unitless				ASA15-5	10/04/07 08:43 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	1.1	mg/kg		1.0		A4500-F C	10/28/07 00:00 / sld
Cation Exchange Capacity	18.6	meq/100g		0.09		SW6010B	10/18/07 08:43 / skd
Lime as CaCO3	3.1	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.58	meq/100g		0.04		SW6010B	10/09/07 12:48 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.2	meq/100g		0.1		Calculation	10/04/07 08:43 / jjm
Exchangeable Sodium Percentage	6.7	%		0.1		USDA20a	10/04/07 08:43 / jjm
METALS, WATER SOLUBLE							
Selenium	0.006	mg/kg		0.005		E270.3	10/20/07 11:27 / skd
METALS, CaCl2 EXTRACTABLE							
Barium	0.34	mg/kg		0.20		SW6010B	10/10/07 11:09 / skd
Boron	0.85	mg/kg		0.20		SW6010B	10/10/07 11:09 / skd

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: H07090308-006
 Client Sample ID: T2/BHA-10-(60-96")

Report Date: 11/01/07
 Collection Date: 09/24/07 17:00
 Date Received: 09/26/07
 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	10/04/07 08:43 / jjm
Conductivity, sat. paste	2.71	mmhos/cm		0.01		ASAM10-3	10/04/07 08:43 / jjm
Saturation	47.3	%		0.1		USDA27a	10/04/07 08:43 / jjm
Sodium Adsorption Ratio (SAR)	1.8	unitless		0.01		Calculation	10/04/07 08:43 / jjm
Bicarbonate, sat. paste	1.33	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	17.0	meq/l		0.05		SW6010B	10/09/07 17:44 / skd
Magnesium, sat. paste	10.9	meq/l		0.08		SW6010B	10/09/07 17:44 / skd
Sodium, sat. paste	6.66	meq/l		0.04		SW6010B	10/09/07 17:44 / skd
Chloride, sat. paste	0.42	meq/L		0.03		SW6010B	10/09/07 17:44 / skd
PHYSICAL CHARACTERISTICS							
Sand	22	%		1		ASA15-5	10/04/07 08:43 / jjm
Silt	41	%		1		ASA15-5	10/04/07 08:43 / jjm
Clay	37	%		1		ASA15-5	10/04/07 08:43 / jjm
Texture	CL	unitless				ASA15-5	10/04/07 08:43 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	20.4	meq/100g		0.09		SW6010B	10/18/07 08:46 / skd
Lime as CaCO3	3.6	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.57	meq/100g		0.04		SW6010B	10/09/07 12:51 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.3	meq/100g		0.1		Calculation	10/04/07 08:43 / jjm
Exchangeable Sodium Percentage	6.2	%		0.1		USDA20a	10/04/07 08:43 / jjm

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: H07090308-007
 Client Sample ID: T2/BHA-10-(0-2")

Report Date: 11/01/07
 Collection Date: 09/24/07 17:00
 Date Received: 09/26/07
 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	10/04/07 08:43 / jjm
Conductivity, sat. paste	0.92	mmhos/cm		0.01		ASAM10-3	10/04/07 08:43 / jjm
Saturation	50.8	%		0.1		USDA27a	10/04/07 08:43 / jjm
Sodium Adsorption Ratio (SAR)	2.0	unitless		0.01		Calculation	10/04/07 08:43 / jjm
Bicarbonate, sat. paste	3.33	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.64	meq/l		0.05		SW6010B	10/09/07 17:46 / skd
Magnesium, sat. paste	1.67	meq/l		0.08		SW6010B	10/09/07 17:46 / skd
Sodium, sat. paste	3.32	meq/l		0.04		SW6010B	10/09/07 17:46 / skd
Chloride, sat. paste	3.52	meq/L		0.03		SW6010B	10/09/07 17:46 / skd
PHYSICAL CHARACTERISTICS							
Sand	11	%		1		ASA15-5	10/04/07 08:43 / jjm
Silt	45	%		1		ASA15-5	10/04/07 08:43 / jjm
Clay	44	%		1		ASA15-5	10/04/07 08:43 / jjm
Texture	SiC	unitless				ASA15-5	10/04/07 08:43 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	30.9	meq/100g		0.09		SW6010B	10/18/07 08:49 / skd
Lime as CaCO3	2.7	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.21	meq/100g		0.04		SW6010B	10/09/07 12:53 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.0	meq/100g		0.1		Calculation	10/04/07 08:43 / jjm
Exchangeable Sodium Percentage	3.4	%		0.1		USDA20a	10/04/07 08:43 / jjm

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

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