



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-015
 Client Sample ID: T2/GA-10-(0-6")

Report Date: 11/01/07
 Collection Date: 09/19/07 17:00
 Date Received: 09/24/07
 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	10/05/07 15:04 / jjm
Conductivity, sat. paste	0.85	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	48.3	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	0.64	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	8.99	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	4.52	meq/l		0.05		SW6010B	10/15/07 09:03 / skd
Magnesium, sat. paste	2.84	meq/l		0.08		SW6010B	10/15/07 09:03 / skd
Sodium, sat. paste	1.23	meq/l		0.04		SW6010B	10/15/07 09:03 / skd
Sulfate, sat. paste	1.67	meq/l		0.02		SW6010B	10/15/07 09:03 / skd
Chloride, sat. paste	0.81	meq/L		0.03		SW6010B	10/15/07 09:03 / skd
PHYSICAL CHARACTERISTICS							
Sand	28	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	46	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	26	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	L	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	10/28/07 00:00 / sld
Potassium, NH4OAc Extractable	196	meq/100g		1		ASA13-3	10/12/07 13:14 / skd
Organic Matter	3.19	%		0.02		ASA29-3	09/28/07 12:42 / jjm
Cation Exchange Capacity	28.2	meq/100g		0.09		SW6010B	10/16/07 11:14 / skd
Lime as CaCO3	5.3	%		0.1		USDA23c	10/04/07 00:00 / jjm
Phosphorus	8.1	mg/kg		0.1		ASA24-5	10/02/07 13:31 / sld
Nitrate as N, KCL Extract	16	mg/kg		1.0		ASA38-3	10/01/07 12:29 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.60	meq/100g		0.04		SW6010B	10/12/07 13:14 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	1.9	%		0.1		USDA20a	10/05/07 15:04 / jjm
METALS, WATER SOLUBLE							
Selenium	0.007	mg/kg		0.005		E270.3	10/20/07 10:34 / skd
METALS, DTPA EXTRACTABLE							
Zinc	0.32	mg/kg		0.02		SW6010B	10/10/07 11:50 / skd

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
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Lab ID: H07090277-015
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Report Date: 11/01/07
Collection Date: 09/19/07 17:00
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Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Barium	1.3	mg/kg		0.20		SW6010B	10/10/07 10:10 / skd
Boron	0.27	mg/kg		0.20		SW6010B	10/10/07 10:10 / skd

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-016
 Client Sample ID: T2/GA-10-(6-12")

Report Date: 11/01/07
 Collection Date: 09/19/07 17:00
 Date Received: 09/24/07
 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	10/05/07 15:04 / jjm
Conductivity, sat. paste	0.55	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	43.4	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	1.1	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	4.50	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	2.96	meq/l		0.05		SW6010B	10/15/07 09:11 / skd
Magnesium, sat. paste	1.59	meq/l		0.08		SW6010B	10/15/07 09:11 / skd
Sodium, sat. paste	1.66	meq/l		0.04		SW6010B	10/15/07 09:11 / skd
Sulfate, sat. paste	1.69	meq/l		0.02		SW6010B	10/15/07 09:11 / skd
Chloride, sat. paste	0.42	meq/L		0.03		SW6010B	10/15/07 09:11 / skd
PHYSICAL CHARACTERISTICS							
Sand	30	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	46	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	24	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	L	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	27.3	meq/100g		0.09		SW6010B	10/16/07 11:22 / skd
Lime as CaCO3	5.8	%		0.1		USDA23c	10/04/07 00:00 / jjm
Nitrate as N, KCL Extract	5.8	mg/kg		1.0		ASA38-3	10/01/07 11:19 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.62	meq/100g		0.04		SW6010B	10/12/07 13:27 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	2.0	%		0.1		USDA20a	10/05/07 15:04 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-017
 Client Sample ID: T2/GA-10-(12-24")

Report Date: 11/01/07
 Collection Date: 09/19/07 17:00
 DateReceived: 09/24/07
 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	10/05/07 15:04 / jjm
Conductivity, sat. paste	3.01	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	40.9	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	4.4	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	4.00	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	10.5	meq/l		0.05		SW6010B	10/15/07 09:19 / skd
Magnesium, sat. paste	11.8	meq/l		0.08		SW6010B	10/15/07 09:19 / skd
Sodium, sat. paste	14.7	meq/l		0.04		SW6010B	10/15/07 09:19 / skd
Sulfate, sat. paste	34.9	meq/l		0.02		SW6010B	10/15/07 09:19 / skd
Chloride, sat. paste	1.27	meq/L		0.03		SW6010B	10/15/07 09:19 / skd
PHYSICAL CHARACTERISTICS							
Sand	34	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	44	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	22	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	L	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	21.9	meq/100g		0.09		SW6010B	10/16/07 11:25 / skd
Lime as CaCO3	6.5	%		0.1		USDA23c	10/04/07 00:00 / jjm
Nitrate as N, KCL Extract	4.5	mg/kg		1.0		ASA38-3	10/01/07 11:21 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.77	meq/100g		0.04		SW6010B	10/12/07 13:29 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.2	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	5.3	%		0.1		USDA20a	10/05/07 15:04 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-018
 Client Sample ID: T2/GA-10-(24-36")

Report Date: 11/01/07
 Collection Date: 09/19/07 17:00
 DateReceived: 09/24/07
 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	10/05/07 15:04 / jjm
Conductivity, sat. paste	5.59	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	40.8	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	7.5	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	3.80	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	16.9	meq/l		0.05		SW6010B	10/15/07 09:21 / skd
Magnesium, sat. paste	28.8	meq/l		0.08		SW6010B	10/15/07 09:21 / skd
Sodium, sat. paste	35.7	meq/l		0.04		SW6010B	10/15/07 09:21 / skd
Chloride, sat. paste	1.55	meq/L		0.03		SW6010B	10/15/07 09:21 / skd
PHYSICAL CHARACTERISTICS							
Sand	41	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	41	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	18	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	L	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	20.9	meq/100g		0.09		SW6010B	10/16/07 11:27 / skd
Lime as CaCO3	6.4	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	3.15	meq/100g		0.04		SW6010B	10/12/07 13:32 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.7	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	8.1	%		0.1		USDA20a	10/05/07 15:04 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-019
 Client Sample ID: T2/GA-10-(36-60")

Report Date: 11/01/07
 Collection Date: 09/19/07 17:00
 Date Received: 09/24/07
 Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	8.1	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	6.47	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	34.6	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	7.2	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	2.80	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	16.0	meq/l		0.05		SW6010B	10/15/07 09:24 / skd
Magnesium, sat. paste	32.5	meq/l		0.08		SW6010B	10/15/07 09:24 / skd
Sodium, sat. paste	35.6	meq/l		0.04		SW6010B	10/15/07 09:24 / skd
Chloride, sat. paste	2.11	meq/L		0.03		SW6010B	10/15/07 09:24 / skd
PHYSICAL CHARACTERISTICS							
Sand	50	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	36	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	14	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	L	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	1.2	mg/kg		1.0		A4500-F C	10/28/07 00:00 / sld
Cation Exchange Capacity	16.3	meq/100g		0.09		SW6010B	10/16/07 11:30 / skd
Lime as CaCO3	6.0	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	2.68	meq/100g		0.04		SW6010B	10/12/07 13:35 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.4	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	8.9	%		0.1		USDA20a	10/05/07 15:04 / jjm
METALS, WATER SOLUBLE							
Selenium	0.063	mg/kg		0.005		E270.3	10/20/07 10:35 / skd
METALS, CaCl2 EXTRACTABLE							
Barium	ND	mg/kg		0.20		SW6010B	10/10/07 10:13 / skd
Boron	0.50	mg/kg		0.20		SW6010B	10/10/07 10:13 / skd

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-020
 Client Sample ID: T2/GA-10-(60-96")

Report Date: 11/01/07
 Collection Date: 09/19/07 17:00
 Date Received: 09/24/07
 Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	8.1	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	2.19	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	34.6	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	4.7	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	2.37	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	4.48	meq/l		0.05		SW6010B	10/15/07 09:27 / skd
Magnesium, sat. paste	6.96	meq/l		0.08		SW6010B	10/15/07 09:27 / skd
Sodium, sat. paste	11.2	meq/l		0.04		SW6010B	10/15/07 09:27 / skd
Chloride, sat. paste	0.91	meq/L		0.03		SW6010B	10/15/07 09:27 / skd
PHYSICAL CHARACTERISTICS							
Sand	71	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	23	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	6	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	SL	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	14.0	meq/100g		0.09		SW6010B	10/16/07 11:38 / skd
Lime as CaCO3	5.1	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.22	meq/100g		0.04		SW6010B	10/12/07 13:37 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.8	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	5.9	%		0.1		USDA20a	10/05/07 15:04 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-021
 Client Sample ID: T2/GA-10-(0-2")

Report Date: 11/01/07
 Collection Date: 09/19/07 17:00
 DateReceived: 09/24/07
 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	10/05/07 15:04 / jjm
Conductivity, sat. paste	1.07	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	48.6	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	0.81	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	8.79	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	6.00	meq/l		0.05		SW6010B	10/15/07 09:32 / skd
Magnesium, sat. paste	3.45	meq/l		0.08		SW6010B	10/15/07 09:32 / skd
Sodium, sat. paste	1.77	meq/l		0.04		SW6010B	10/15/07 09:32 / skd
Chloride, sat. paste	0.88	meq/L		0.03		SW6010B	10/15/07 09:32 / skd
PHYSICAL CHARACTERISTICS							
Sand	36	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	42	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	22	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	L	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	27.7	meq/100g		0.09		SW6010B	10/16/07 11:43 / skd
Lime as CaCO3	5.4	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.49	meq/100g		0.04		SW6010B	10/12/07 13:42 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	1.4	%		0.1		USDA20a	10/05/07 15:04 / jjm

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