



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - Tier II (formerly referred to as AMPP)
 Lab ID: H07090283-001
 Client Sample ID: T2/DB-10-(0-6")

Report Date: 11/01/07
 Collection Date: 09/21/07 17:00
 Date Received: 09/25/07
 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 08:36 / jjm
Conductivity, sat. paste	0.76	mmhos/cm		0.01		ASAM10-3	10/05/07 08:36 / jjm
Saturation	53.6	%		0.1		USDA27a	10/05/07 08:36 / jjm
Sodium Adsorption Ratio (SAR)	1.3	unitless		0.01		Calculation	10/05/07 08:36 / jjm
Bicarbonate, sat. paste	5.19	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.20	meq/l		0.05		SW6010B	10/15/07 11:16 / skd
Magnesium, sat. paste	2.14	meq/l		0.08		SW6010B	10/15/07 11:16 / skd
Sodium, sat. paste	2.14	meq/l		0.04		SW6010B	10/15/07 11:16 / skd
Sulfate, sat. paste	2.21	meq/L		0.02		SW6010B	10/15/07 11:16 / skd
Chloride, sat. paste	0.60	meq/L		0.03		SW6010B	10/15/07 11:16 / skd
PHYSICAL CHARACTERISTICS							
Sand	26	%		1		ASA15-5	10/05/07 08:36 / jjm
Silt	46	%		1		ASA15-5	10/05/07 08:36 / jjm
Clay	28	%		1		ASA15-5	10/05/07 08:36 / jjm
Texture	CL	unitless				ASA15-5	10/05/07 08:36 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	1.0	mg/kg		1.0		A4500-F C	10/28/07 00:00 / sld
Potassium, NH4OAc Extractable	141	meq/100g		1		ASA13-3	10/12/07 15:22 / skd
Organic Matter	2.73	%		0.02		ASA29-3	09/28/07 12:42 / jjm
Cation Exchange Capacity	33.8	meq/100g		0.09		SW6010B	10/16/07 13:28 / skd
Lime as CaCO3	5.0	%		0.1		USDA23c	10/04/07 00:00 / jjm
Phosphorus	8.2	mg/kg		0.1		ASA24-5	10/02/07 14:31 / sld
Nitrate as N, KCL Extract	8.1	mg/kg		1.0		ASA38-3	10/01/07 11:55 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.74	meq/100g		0.04		SW6010B	10/12/07 15:22 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	10/05/07 08:36 / jjm
Exchangeable Sodium Percentage	1.9	%		0.1		USDA20a	10/05/07 08:36 / jjm
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.005		E270.3	10/20/07 11:10 / skd
METALS, DTPA EXTRACTABLE							
Zinc	0.75	mg/kg		0.02		SW6010B	10/10/07 12:06 / skd

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

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 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: H07090283-001
Client Sample ID: T2/DB-10-(0-6")

Report Date: 11/01/07
Collection Date: 09/21/07 17:00
DateReceived: 09/25/07
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Barium	1.1	mg/kg		0.20		SW6010B	10/10/07 10:45 / skd
Boron	0.24	mg/kg		0.20		SW6010B	10/10/07 10:45 / skd

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - Tier II (formerly referred to as AMPP)
 Lab ID: H07090283-002
 Client Sample ID: T2/DB-10-(6-12")

Report Date: 11/01/07
 Collection Date: 09/21/07 17:00
 Date Received: 09/25/07
 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 08:36 / jjm
Conductivity, sat. paste	0.83	mmhos/cm		0.01		ASAM10-3	10/05/07 08:36 / jjm
Saturation	50.0	%		0.1		USDA27a	10/05/07 08:36 / jjm
Sodium Adsorption Ratio (SAR)	2.5	unitless		0.01		Calculation	10/05/07 08:36 / jjm
Bicarbonate, sat. paste	6.79	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	2.86	meq/l		0.05		SW6010B	10/15/07 11:19 / skd
Magnesium, sat. paste	1.98	meq/l		0.08		SW6010B	10/15/07 11:19 / skd
Sodium, sat. paste	3.89	meq/l		0.04		SW6010B	10/15/07 11:19 / skd
Sulfate, sat. paste	4.76	meq/L		0.02		SW6010B	10/15/07 11:19 / skd
Chloride, sat. paste	1.06	meq/L		0.03		SW6010B	10/15/07 11:19 / skd
PHYSICAL CHARACTERISTICS							
Sand	22	%		1		ASA15-5	10/05/07 08:36 / jjm
Silt	49	%		1		ASA15-5	10/05/07 08:36 / jjm
Clay	29	%		1		ASA15-5	10/05/07 08:36 / jjm
Texture	CL	unitless				ASA15-5	10/05/07 08:36 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	30.9	meq/100g		0.09		SW6010B	10/16/07 13:31 / skd
Lime as CaCO3	5.4	%		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 11:57 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.22	meq/100g		0.04		SW6010B	10/12/07 15:29 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.0	meq/100g		0.1		Calculation	10/05/07 08:36 / jjm
Exchangeable Sodium Percentage	3.3	%		0.1		USDA20a	10/05/07 08:36 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - Tier II (formerly referred to as AMPP)
 Lab ID: H07090283-003
 Client Sample ID: T2/DB-10-(12-24")

Report Date: 11/01/07
 Collection Date: 09/21/07 17:00
 Date Received: 09/25/07
 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 08:36 / jjm
Conductivity, sat. paste	1.63	mmhos/cm		0.01		ASAM10-3	10/05/07 08:36 / jjm
Saturation	39.4	%		0.1		USDA27a	10/05/07 08:36 / jjm
Sodium Adsorption Ratio (SAR)	5.2	unitless		0.01		Calculation	10/05/07 08:36 / jjm
Bicarbonate, sat. paste	5.06	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	4.07	meq/l		0.05		SW6010B	10/15/07 11:27 / skd
Magnesium, sat. paste	3.26	meq/l		0.08		SW6010B	10/15/07 11:27 / skd
Sodium, sat. paste	9.94	meq/l		0.04		SW6010B	10/15/07 11:27 / skd
Sulfate, sat. paste	13.6	meq/L		0.02		SW6010B	10/15/07 11:27 / skd
Chloride, sat. paste	0.70	meq/L		0.03		SW6010B	10/15/07 11:27 / skd
PHYSICAL CHARACTERISTICS							
Sand	42	%		1		ASA15-5	10/05/07 08:36 / jjm
Silt	38	%		1		ASA15-5	10/05/07 08:36 / jjm
Clay	20	%		1		ASA15-5	10/05/07 08:36 / jjm
Texture	L	unitless				ASA15-5	10/05/07 08:36 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	22.9	meq/100g		0.09		SW6010B	10/16/07 13:33 / skd
Lime as CaCO3	6.1	%		0.1		USDA23c	10/04/07 00:00 / jjm
Nitrate as N, KCL Extract	3.7	mg/kg		1.0		ASA38-3	10/01/07 11:59 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.71	meq/100g		0.04		SW6010B	10/12/07 15:32 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.3	meq/100g		0.1		Calculation	10/05/07 08:36 / jjm
Exchangeable Sodium Percentage	5.8	%		0.1		USDA20a	10/05/07 08:36 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - Tier II (formerly referred to as AMPP)
 Lab ID: H07090283-004
 Client Sample ID: T2/DB-10-(24-36")

Report Date: 11/01/07
 Collection Date: 09/21/07 17:00
 Date Received: 09/25/07
 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 08:36 / jjm
Conductivity, sat. paste	1.70	mmhos/cm		0.01		ASAM10-3	10/05/07 08:36 / jjm
Saturation	36.2	%		0.1		USDA27a	10/05/07 08:36 / jjm
Sodium Adsorption Ratio (SAR)	4.9	unitless		0.01		Calculation	10/05/07 08:36 / jjm
Bicarbonate, sat. paste	3.20	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.64	meq/l		0.05		SW6010B	10/15/07 11:29 / skd
Magnesium, sat. paste	3.62	meq/l		0.08		SW6010B	10/15/07 11:29 / skd
Sodium, sat. paste	9.35	meq/l		0.04		SW6010B	10/15/07 11:29 / skd
Chloride, sat. paste	0.70	meq/L		0.03		SW6010B	10/15/07 11:29 / skd
PHYSICAL CHARACTERISTICS							
Sand	46	%		1		ASA15-5	10/05/07 08:36 / jjm
Silt	41	%		1		ASA15-5	10/05/07 08:36 / jjm
Clay	13	%		1		ASA15-5	10/05/07 08:36 / jjm
Texture	L	unitless				ASA15-5	10/05/07 08:36 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	17.8	meq/100g		0.09		SW6010B	10/16/07 13:36 / skd
Lime as CaCO3	7.1	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.40	meq/100g		0.04		SW6010B	10/12/07 15:34 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.1	meq/100g		0.1		Calculation	10/05/07 08:36 / jjm
Exchangeable Sodium Percentage	6.0	%		0.1		USDA20a	10/05/07 08:36 / jjm

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 QCL - Quality control limit.

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - Tier II (formerly referred to as AMPP)
 Lab ID: H07090283-005
 Client Sample ID: T2/DB-10-(36-60")

Report Date: 11/01/07
 Collection Date: 09/21/07 17:00
 Date Received: 09/25/07
 Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	8.2	s.u.		0.1		ASAM10-3.2	10/05/07 08:36 / jjm
Conductivity, sat. paste	1.60	mmhos/cm		0.01		ASAM10-3	10/05/07 08:36 / jjm
Saturation	29.3	%		0.1		USDA27a	10/05/07 08:36 / jjm
Sodium Adsorption Ratio (SAR)	5.3	unitless		0.01		Calculation	10/05/07 08:36 / jjm
Bicarbonate, sat. paste	2.80	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	2.89	meq/l		0.05		SW6010B	10/15/07 11:32 / skd
Magnesium, sat. paste	3.40	meq/l		0.08		SW6010B	10/15/07 11:32 / skd
Sodium, sat. paste	9.32	meq/l		0.04		SW6010B	10/15/07 11:32 / skd
Chloride, sat. paste	1.06	meq/L		0.03		SW6010B	10/15/07 11:32 / skd
PHYSICAL CHARACTERISTICS							
Sand	61	%		1		ASA15-5	10/05/07 08:36 / jjm
Silt	31	%		1		ASA15-5	10/05/07 08:36 / jjm
Clay	8	%		1		ASA15-5	10/05/07 08:36 / jjm
Texture	SL	unitless				ASA15-5	10/05/07 08:36 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	10/28/07 00:00 / skd
Cation Exchange Capacity	13.3	meq/100g		0.09		SW6010B	10/16/07 13:39 / skd
Lime as CaCO3	6.4	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.31	meq/100g		0.04		SW6010B	10/12/07 15:37 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.0	meq/100g		0.1		Calculation	10/05/07 08:36 / jjm
Exchangeable Sodium Percentage	7.8	%		0.1		USDA20a	10/05/07 08:36 / jjm
METALS, WATER SOLUBLE							
Selenium	0.006	mg/kg		0.005		E270.3	10/20/07 11:11 / skd
METALS, CaCl2 EXTRACTABLE							
Barium	0.26	mg/kg		0.20		SW6010B	10/10/07 10:48 / skd
Boron	0.23	mg/kg		0.20		SW6010B	10/10/07 10:48 / skd

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - Tier II (formerly referred to as AMPP)
 Lab ID: H07090283-006
 Client Sample ID: T2/DB-10-(60-96")

Report Date: 11/01/07
 Collection Date: 09/21/07 17:00
 Date Received: 09/25/07
 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 08:36 / jjm
Conductivity, sat. paste	2.05	mmhos/cm		0.01		ASAM10-3	10/05/07 08:36 / jjm
Saturation	33.9	%		0.1		USDA27a	10/05/07 08:36 / jjm
Sodium Adsorption Ratio (SAR)	5.9	unitless		0.01		Calculation	10/05/07 08:36 / jjm
Bicarbonate, sat. paste	2.40	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.59	meq/l		0.05		SW6010B	10/15/07 11:35 / skd
Magnesium, sat. paste	4.37	meq/l		0.08		SW6010B	10/15/07 11:35 / skd
Sodium, sat. paste	11.7	meq/l		0.04		SW6010B	10/15/07 11:35 / skd
Chloride, sat. paste	0.42	meq/L		0.03		SW6010B	10/15/07 11:35 / skd
PHYSICAL CHARACTERISTICS							
Sand	61	%		1		ASA15-5	10/05/07 08:36 / jjm
Silt	31	%		1		ASA15-5	10/05/07 08:36 / jjm
Clay	8	%		1		ASA15-5	10/05/07 08:36 / jjm
Texture	SL	unitless				ASA15-5	10/05/07 08:36 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	11.6	meq/100g		0.09		SW6010B	10/16/07 13:41 / skd
Lime as CaCO3	6.5	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.38	meq/100g		0.04		SW6010B	10/12/07 15:40 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.0	meq/100g		0.1		Calculation	10/05/07 08:36 / jjm
Exchangeable Sodium Percentage	8.4	%		0.1		USDA20a	10/05/07 08:36 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - Tier II (formerly referred to as AMPP)
 Lab ID: H07090283-007
 Client Sample ID: T2/DB-10-(0-2")

Report Date: 11/01/07
 Collection Date: 09/21/07 17:00
 Date Received: 09/25/07
 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 08:36 / jjm
Conductivity, sat. paste	0.82	mmhos/cm		0.01		ASAM10-3	10/05/07 08:36 / jjm
Saturation	60.6	%		0.1		USDA27a	10/05/07 08:36 / jjm
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.01		Calculation	10/05/07 08:36 / jjm
Bicarbonate, sat. paste	5.19	meq/L		0.02		ASA10-3	10/15/07 06:44 / jjm
SATURATED PASTE							
Calcium, sat. paste	3.22	meq/l		0.05		SW6010B	10/15/07 11:38 / skd
Magnesium, sat. paste	2.30	meq/l		0.08		SW6010B	10/15/07 11:38 / skd
Sodium, sat. paste	2.24	meq/l		0.04		SW6010B	10/15/07 11:38 / skd
Chloride, sat. paste	1.17	meq/L		0.03		SW6010B	10/15/07 11:38 / skd
PHYSICAL CHARACTERISTICS							
Sand	25	%		1		ASA15-5	10/05/07 08:36 / jjm
Silt	47	%		1		ASA15-5	10/05/07 08:36 / jjm
Clay	28	%		1		ASA15-5	10/05/07 08:36 / jjm
Texture	CL	unitless				ASA15-5	10/05/07 08:36 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	32.7	meq/100g		0.09		SW6010B	10/18/07 07:34 / skd
Lime as CaCO3	5.1	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.73	meq/100g		0.04		SW6010B	10/12/07 15:42 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	10/05/07 08:36 / jjm
Exchangeable Sodium Percentage	1.8	%		0.1		USDA20a	10/05/07 08:36 / jjm

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

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