



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-022
 Client Sample ID: T2/EA-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	7.6	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	0.96	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	53.1	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	0.71	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	8.39	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	5.41	meq/l		0.05		SW6010B	10/15/07 09:35 / skd
Magnesium, sat. paste	3.57	meq/l		0.08		SW6010B	10/15/07 09:35 / skd
Sodium, sat. paste	1.51	meq/l		0.04		SW6010B	10/15/07 09:35 / skd
Sulfate, sat. paste	2.69	meq/l		0.02		SW6010B	10/15/07 09:35 / skd
Chloride, sat. paste	0.88	meq/L		0.03		SW6010B	10/15/07 09:35 / skd
PHYSICAL CHARACTERISTICS							
Sand	21	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	55	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	24	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	SiL	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	285	meq/100g		1		ASA13-3	10/12/07 13:45 / skd
Organic Matter	3.72	%		0.02		ASA29-3	09/28/07 12:42 / jjm
Cation Exchange Capacity	30.9	meq/100g		0.09		SW6010B	10/16/07 11:46 / skd
Lime as CaCO3	5.5	%		0.1		USDA23c	10/04/07 00:00 / jjm
Phosphorus	6.2	mg/kg		0.1		ASA24-5	10/02/07 13:33 / sld
Nitrate as N, KCL Extract	21	mg/kg	D	2.5		ASA38-3	10/01/07 12:31 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.47	meq/100g		0.04		SW6010B	10/12/07 13:45 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	1.3	%		0.1		USDA20a	10/05/07 15:04 / jjm
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.005		E270.3	10/20/07 10:37 / skd
METALS, DTPA EXTRACTABLE							
Zinc	0.32	mg/kg		0.02		SW6010B	10/10/07 11:53 / 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 - TierII (formerly referred to as AMPP)
Lab ID: H07090277-022
Client Sample ID: T2/EA-10-(0-6")

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
METALS, CACL2 EXTRACTABLE							
Barium	1.2	mg/kg		0.20		SW6010B	10/10/07 10:16 / skd
Boron	0.31	mg/kg		0.20		SW6010B	10/10/07 10:16 / skd

Report Definitions: RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-023
 Client Sample ID: T2/EA-10-(6-12")

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	8.3	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	11.9	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	31.0	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	22	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	3.00	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	16.1	meq/l		0.05		SW6010B	10/15/07 09:38 / skd
Magnesium, sat. paste	25.0	meq/l		0.08		SW6010B	10/15/07 09:38 / skd
Sodium, sat. paste	101	meq/l		0.04		SW6010B	10/15/07 09:38 / skd
Sulfate, sat. paste	147	meq/l		0.02		SW6010B	10/15/07 09:38 / skd
Chloride, sat. paste	2.00	meq/L		0.03		SW6010B	10/15/07 09:38 / skd
PHYSICAL CHARACTERISTICS							
Sand	63	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	28	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	9	%		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	12.9	meq/100g		0.09		SW6010B	10/16/07 11:49 / skd
Lime as CaCO3	6.1	%		0.1		USDA23c	10/04/07 00:00 / jjm
Nitrate as N, KCL Extract	6.8	mg/kg		1.0		ASA38-3	10/01/07 11:25 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	5.79	meq/100g		0.04		SW6010B	10/12/07 13:47 / skd
EXCHANGEABLES							
Exchangeable Sodium	2.7	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	21	%		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: H07090277-024
 Client Sample ID: T2/EA-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	7.7	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	2.44	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	47.6	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	2.4	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	3.40	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	11.4	meq/l		0.05		SW6010B	10/15/07 09:40 / skd
Magnesium, sat. paste	8.67	meq/l		0.08		SW6010B	10/15/07 09:40 / skd
Sodium, sat. paste	7.57	meq/l		0.04		SW6010B	10/15/07 09:40 / skd
Sulfate, sat. paste	25.1	meq/l		0.02		SW6010B	10/15/07 09:40 / skd
Chloride, sat. paste	0.70	meq/L		0.03		SW6010B	10/15/07 09:40 / skd
PHYSICAL CHARACTERISTICS							
Sand	26	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	46	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	28	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	CL	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	28.4	meq/100g		0.09		SW6010B	10/16/07 11:51 / skd
Lime as CaCO3	6.0	%		0.1		USDA23c	10/04/07 00:00 / jjm
Nitrate as N, KCL Extract	4.2	mg/kg		1.0		ASA38-3	10/01/07 11:31 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.24	meq/100g		0.04		SW6010B	10/12/07 13:50 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	3.1	%		0.1		USDA20a	10/05/07 15:04 / jjm

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 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: TRIP - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-025
 Client Sample ID: T2/EA-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	7.8	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	4.01	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	50.3	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	3.9	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	19.2	meq/l		0.05		SW6010B	10/15/07 09:43 / skd
Magnesium, sat. paste	18.6	meq/l		0.08		SW6010B	10/15/07 09:43 / skd
Sodium, sat. paste	16.9	meq/l		0.04		SW6010B	10/15/07 09:43 / skd
Chloride, sat. paste	0.42	meq/L		0.03		SW6010B	10/15/07 09:43 / skd
PHYSICAL CHARACTERISTICS							
Sand	21	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	47	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	32	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	CL	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	27.3	meq/100g		0.09		SW6010B	10/16/07 11:54 / skd
Lime as CaCO3	7.0	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	2.18	meq/100g		0.04		SW6010B	10/12/07 13:57 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.3	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	4.9	%		0.1		USDA20a	10/05/07 15:04 / 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 - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-026
 Client Sample ID: T2/EA-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	8.2	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	3.87	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	49.2	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	8.2	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	2.75	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	5.37	meq/l		0.05		SW6010B	10/15/07 09:51 / skd
Magnesium, sat. paste	12.2	meq/l		0.08		SW6010B	10/15/07 09:51 / skd
Sodium, sat. paste	24.4	meq/l		0.04		SW6010B	10/15/07 09:51 / skd
Chloride, sat. paste	0.70	meq/L		0.03		SW6010B	10/15/07 09:51 / skd
PHYSICAL CHARACTERISTICS							
Sand	37	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	44	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	19	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	L	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	1.5	mg/kg		1.0		A4500-F C	10/28/07 00:00 / sld
Cation Exchange Capacity	20.9	meq/100g		0.09		SW6010B	10/16/07 11:57 / skd
Lime as CaCO3	7.7	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	2.57	meq/100g		0.04		SW6010B	10/12/07 14:00 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.4	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	6.6	%		0.1		USDA20a	10/05/07 15:04 / jjm
METALS, WATER SOLUBLE							
Selenium	0.013	mg/kg		0.005		E270.3	10/20/07 10:38 / skd
METALS, CaCl2 EXTRACTABLE							
Barium	ND	mg/kg		0.20		SW6010B	10/10/07 10:18 / skd
Boron	0.67	mg/kg		0.20		SW6010B	10/10/07 10:18 / 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 - TierII (formerly referred to as AMPP)
 Lab ID: H07090277-027
 Client Sample ID: T2/EA-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	2.46	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	50.3	%		0.1		USDA27a	10/05/07 15:04 / jjm
Sodium Adsorption Ratio (SAR)	5.3	unitless		0.01		Calculation	10/05/07 15:04 / jjm
Bicarbonate, sat. paste	3.00	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	4.01	meq/l		0.05		SW6010B	10/15/07 09:53 / skd
Magnesium, sat. paste	8.79	meq/l		0.08		SW6010B	10/15/07 09:53 / skd
Sodium, sat. paste	13.5	meq/l		0.04		SW6010B	10/15/07 09:53 / skd
Chloride, sat. paste	0.53	meq/L		0.03		SW6010B	10/15/07 09:53 / skd
PHYSICAL CHARACTERISTICS							
Sand	36	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	36	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	28	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	CL	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	27.4	meq/100g		0.09		SW6010B	10/16/07 11:59 / skd
Lime as CaCO3	6.9	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	2.16	meq/100g		0.04		SW6010B	10/12/07 14:03 / skd
EXCHANGEABLES							
Exchangeable Sodium	1.5	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	5.4	%		0.1		USDA20a	10/05/07 15:04 / jjm

Report Definitions: RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP - TierII (formerly referred to as AMPP)
Lab ID: H07090277-028
Client Sample ID: T2/EA-10-(0-2")

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	7.6	s.u.		0.1		ASAM10-3.2	10/05/07 15:04 / jjm
Conductivity, sat. paste	1.21	mmhos/cm		0.01		ASAM10-3	10/05/07 15:04 / jjm
Saturation	57.4	%		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	8.99	meq/L		0.02		ASA10-3	10/16/07 11:35 / jjm
SATURATED PASTE							
Calcium, sat. paste	6.13	meq/l		0.05		SW6010B	10/15/07 09:56 / skd
Magnesium, sat. paste	3.62	meq/l		0.08		SW6010B	10/15/07 09:56 / skd
Sodium, sat. paste	2.50	meq/l		0.04		SW6010B	10/15/07 09:56 / skd
Chloride, sat. paste	0.85	meq/L		0.03		SW6010B	10/15/07 09:56 / skd
PHYSICAL CHARACTERISTICS							
Sand	21	%		1		ASA15-5	10/05/07 15:04 / jjm
Silt	54	%		1		ASA15-5	10/05/07 15:04 / jjm
Clay	25	%		1		ASA15-5	10/05/07 15:04 / jjm
Texture	SiL	unitless				ASA15-5	10/05/07 15:04 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	32.6	meq/100g		0.09		SW6010B	10/16/07 12:02 / skd
Lime as CaCO3	5.4	%		0.1		USDA23c	10/04/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.41	meq/100g		0.04		SW6010B	10/12/07 14:05 / skd
EXCHANGEABLES							
Exchangeable Sodium	0.3	meq/100g		0.1		Calculation	10/05/07 15:04 / jjm
Exchangeable Sodium Percentage	0.8	%		0.1		USDA20a	10/05/07 15:04 / jjm

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

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