



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-001
Client Sample ID: T2/OAA-10-(0-6")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:03 / sah
Conductivity, sat. paste	0.76	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	44.7	%		0.1		USDA27a	12/08/08 08:01 / wj
Calcium, sat. paste	4.42	meq/l		0.05		SW6010B	12/11/08 10:41 / sld
Magnesium, sat. paste	2.04	meq/l		0.08		SW6010B	12/11/08 10:41 / sld
Sodium, sat. paste	0.52	meq/l		0.04		SW6010B	12/11/08 10:41 / sld
Sodium Adsorption Ratio (SAR)	0.29	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	6.76	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	30	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	48	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	22	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	L	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Potassium, NH4OAc Extractable	278	mg/kg		1		ASA13-3	12/12/08 14:07 / sld
Cation Exchange Capacity	23.2	meq/100g		0.09		SW6010B	12/11/08 19:33 / sld
Organic Matter	3.58	%		0.02		ASA29-3	12/12/08 13:31 / sah
Lime as CaCO3	7.2	%		0.1		USDA23c	12/11/08 00:00 / wj
Phosphorus	7.1	mg/kg		0.1		ASA24-5	12/19/08 15:37 / stp
Nitrate as N, KCL Extract	20	mg/kg		1.0		ASA38-3	12/19/08 14:17 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.37	meq/100g		0.0044		SW6010B	12/12/08 14:07 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	1.5	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Fluoride	0.35	mg/kg		0.10		E300.0	12/12/08 08:03 / hm
Sulfate, sat. paste	0.46	meq/L		0.021		E300.0	12/12/08 08:03 / hm
Chloride, sat. paste	0.44	meq/L		0.028		E300.0	12/12/08 08:03 / hm
METALS, DTPA EXTRACTABLE							
Zinc	0.63	mg/kg		0.02		SW6010B	12/17/08 13:21 / sld
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.05		E270.3	12/09/08 10:09 / eau

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
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-001
Client Sample ID: T2/OAA-10-(0-6")

Report Date: 12/29/08
Collection Date: 10/22/08 17:00
Date Received: 10/28/08
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Barium	2.0	mg/kg		0.20		SW6010B	12/08/08 14:29 / sld
Boron	ND	mg/kg		0.20		SW6010B	12/08/08 14:29 / sld

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-002
Client Sample ID: T2/OAA-10-(6-12")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:04 / sah
Conductivity, sat. paste	0.50	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	36.0	%		0.1		USDA27a	12/08/08 08:02 / wj
Calcium, sat. paste	2.38	meq/l		0.05		SW6010B	12/11/08 10:44 / sld
Magnesium, sat. paste	1.73	meq/l		0.08		SW6010B	12/11/08 10:44 / sld
Sodium, sat. paste	0.54	meq/l		0.04		SW6010B	12/11/08 10:44 / sld
Sodium Adsorption Ratio (SAR)	0.38	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	4.37	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	32	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	46	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	22	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	L	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	18.4	meq/100g		0.09		SW6010B	12/11/08 19:36 / sld
Lime as CaCO3	7.9	%		0.1		USDA23c	12/11/08 00:00 / wj
Nitrate as N, KCL Extract	7.3	mg/kg		1.0		ASA38-3	12/19/08 14:20 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.35	meq/100g		0.0044		SW6010B	12/12/08 14:14 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.3	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	1.8	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Sulfate, sat. paste	0.43	meq/L		0.021		E300.0	12/12/08 08:22 / hm
Chloride, sat. paste	0.36	meq/L		0.028		E300.0	12/12/08 08:22 / hm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-003
Client Sample ID: T2/OAA-10-(12-24")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:04 / sah
Conductivity, sat. paste	0.58	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	35.4	%		0.1		USDA27a	12/08/08 08:02 / wj
Calcium, sat. paste	1.39	meq/l		0.05		SW6010B	12/11/08 10:47 / sld
Magnesium, sat. paste	1.17	meq/l		0.08		SW6010B	12/11/08 10:47 / sld
Sodium, sat. paste	2.14	meq/l		0.04		SW6010B	12/11/08 10:47 / sld
Sodium Adsorption Ratio (SAR)	1.9	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	4.37	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	28	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	48	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	24	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	L	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	18.0	meq/100g		0.09		SW6010B	12/11/08 19:39 / sld
Lime as CaCO3	8.5	%		0.1		USDA23c	12/11/08 00:00 / wj
Nitrate as N, KCL Extract	6.9	mg/kg		1.0		ASA38-3	12/19/08 14:21 / stp
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.82	meq/100g		0.0044		SW6010B	12/12/08 14:17 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.7	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	4.1	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Sulfate, sat. paste	1.6	meq/L		0.021		E300.0	12/12/08 08:42 / hm
Chloride, sat. paste	0.27	meq/L		0.028		E300.0	12/12/08 08:42 / hm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-004
Client Sample ID: T2/OAA-10-(24-36")

Report Date: 12/29/08
Collection Date: 10/22/08 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 07:06 / sah
Conductivity, sat. paste	0.66	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	31.2	%		0.1		USDA27a	12/08/08 08:02 / wj
Calcium, sat. paste	1.50	meq/l		0.05		SW6010B	12/11/08 10:49 / sld
Magnesium, sat. paste	1.23	meq/l		0.08		SW6010B	12/11/08 10:49 / sld
Sodium, sat. paste	3.02	meq/l		0.04		SW6010B	12/11/08 10:49 / sld
Sodium Adsorption Ratio (SAR)	2.6	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	4.37	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	40	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	42	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	18	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	L	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	13.3	meq/100g		0.09		SW6010B	12/11/08 19:41 / sld
Lime as CaCO3	8.5	%		0.1		USDA23c	12/11/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.85	meq/100g		0.0044		SW6010B	12/12/08 14:20 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.8	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	5.7	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Chloride, sat. paste	0.25	meq/L		0.028		E300.0	12/12/08 09:01 / hm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-005
Client Sample ID: T2/OAA-10-(36-60")

Report Date: 12/29/08
Collection Date: 10/22/08 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	7.7	s.u.		0.1		ASAM10-3.2	12/08/08 07:06 / sah
Conductivity, sat. paste	2.62	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	37.4	%		0.1		USDA27a	12/08/08 08:02 / wj
Calcium, sat. paste	8.43	meq/l		0.05		SW6010B	12/11/08 10:57 / sld
Magnesium, sat. paste	8.49	meq/l		0.08		SW6010B	12/11/08 10:57 / sld
Sodium, sat. paste	12.6	meq/l		0.04		SW6010B	12/11/08 10:57 / sld
Sodium Adsorption Ratio (SAR)	4.3	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	2.98	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	27	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	59	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	14	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	SiL	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	17.6	meq/100g		0.09		SW6010B	12/12/08 10:38 / sld
Lime as CaCO3	8.8	%		0.1		USDA23c	12/11/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.4	meq/100g		0.0044		SW6010B	12/12/08 14:22 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	5.1	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Fluoride	0.77	mg/kg		0.10		E300.0	12/12/08 09:20 / hm
Chloride, sat. paste	0.48	meq/L		0.028		E300.0	12/12/08 09:20 / hm
METALS, WATER SOLUBLE							
Selenium	ND	mg/kg		0.05		E270.3	12/09/08 10:14 / eau
METALS, CaCl2 EXTRACTABLE							
Barium	0.29	mg/kg		0.20		SW6010B	12/08/08 14:31 / sld
Boron	ND	mg/kg		0.20		SW6010B	12/08/08 14:31 / sld

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-006
Client Sample ID: T2/OAA-10-(60-96")

Report Date: 12/29/08
Collection Date: 10/22/08 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	7.9	s.u.		0.1		ASAM10-3.2	12/08/08 07:06 / sah
Conductivity, sat. paste	3.16	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	36.7	%		0.1		USDA27a	12/08/08 08:02 / wj
Calcium, sat. paste	6.96	meq/l		0.05		SW6010B	12/11/08 11:00 / sld
Magnesium, sat. paste	13.5	meq/l		0.08		SW6010B	12/11/08 11:00 / sld
Sodium, sat. paste	17.8	meq/l		0.04		SW6010B	12/11/08 11:00 / sld
Sodium Adsorption Ratio (SAR)	5.6	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	2.58	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	36	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	44	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	20	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	L	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	15.9	meq/100g		0.09		SW6010B	12/12/08 10:41 / sld
Lime as CaCO3	8.8	%		0.1		USDA23c	12/11/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.9	meq/100g		0.0044		SW6010B	12/12/08 14:30 / sld
EXCHANGEABLES							
Exchangeable Sodium	1.3	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	7.9	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Chloride, sat. paste	0.53	meq/L		0.028		E300.0	12/12/08 10:58 / hm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: TRIP Tier II (formerly referred to as AMPP)
Lab ID: H08100399-007
Client Sample ID: T2/OAA-10-(0-2")

Report Date: 12/29/08
Collection Date: 10/22/08 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	7.2	s.u.		0.1		ASAM10-3.2	12/08/08 07:07 / sah
Conductivity, sat. paste	0.55	mmhos/cm		0.01		ASA10-3	12/16/08 11:10 / sah
Saturation	50.1	%		0.1		USDA27a	12/08/08 08:02 / wj
Calcium, sat. paste	6.89	meq/l		0.05		SW6010B	12/11/08 11:02 / sld
Calcium, sat. paste	3.64	meq/l		0.05		SW6010B	12/16/08 14:58 / sld
Magnesium, sat. paste	2.64	meq/l		0.08		SW6010B	12/11/08 11:02 / sld
Magnesium, sat. paste	2.65	meq/l		0.08		SW6010B	12/16/08 14:58 / sld
Sodium, sat. paste	0.48	meq/l		0.04		SW6010B	12/11/08 11:02 / sld
Sodium, sat. paste	1.20	meq/l		0.04		SW6010B	12/16/08 14:58 / sld
Sodium Adsorption Ratio (SAR)	0.68	unitless		0.01		Calculation	12/16/08 11:19 / wj
Bicarbonate, sat. paste	9.54	meq/L		0.02		ASA10-3	12/10/08 15:41 / hm
PHYSICAL CHARACTERISTICS							
Sand	38	%		1		ASA15-5	12/09/08 09:42 / sah
Silt	42	%		1		ASA15-5	12/09/08 09:42 / sah
Clay	20	%		1		ASA15-5	12/09/08 09:42 / sah
Texture	L	unitless				ASA15-5	12/09/08 09:42 / sah
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	23.7	meq/100g		0.09		SW6010B	12/12/08 10:44 / sld
Lime as CaCO3	7.0	%		0.1		USDA23c	12/11/08 00:00 / wj
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.32	meq/100g		0.0044		SW6010B	12/12/08 14:32 / sld
EXCHANGEABLES							
Exchangeable Sodium	0.3	meq/100g		0.1		Calculation	12/16/08 11:19 / wj
Exchangeable Sodium Percentage	1.1	%		0.1		USDA20a	12/16/08 11:19 / wj
INORGANICS							
Chloride, sat. paste	0.52	meq/L		0.028		E300.0	12/12/08 11:17 / hm

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

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