



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-001
Client Sample ID: T2/BA-10 (0-6")

Report Date: 01/17/07
Collection Date: 12/12/06 17:00
Date Received: 12/15/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.5	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.96	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	48.8	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	1.3	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	5.68	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	4.41	meq/l		0.05		SW6010B	01/08/07 09:16 / rp
Magnesium, sat. paste	2.20	meq/l		0.08		SW6010B	01/08/07 09:16 / rp
Sodium, sat. paste	2.37	meq/l		0.04		SW6010B	01/08/07 09:16 / rp
Sulfate, sat. paste	2.44	meq/L		0.02		SW6010B	01/08/07 09:16 / rp
Chloride, sat. paste	0.10	meq/L		0.03		SW6010B	01/08/07 09:16 / rp
PHYSICAL CHARACTERISTICS							
Sand	23	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	54	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	23	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	SiL	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	01/15/07 10:45 / abb
Potassium, NH4OAc Extractable	182	meq/100g		1		ASA13-3	01/10/07 15:17 / rp
Organic Matter	2.29	%		0.02		ASA29-3	01/05/07 16:02 / skr
Cation Exchange Capacity	27.6	meq/100g		0.09		SW6010B	01/12/07 10:40 / rp
Lime as CaCO3	5.3	%		0.1		USDA23c	01/08/07 00:00 / jjm
Phosphorus	14	mg/kg		0.1		ASA24-5	01/05/07 13:57 / sld
Nitrate as N, KCL Extract	13	mg/kg		1.0		ASA38-3	01/08/07 14:08 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.65	meq/100g		0.04		SW6010B	01/10/07 15:17 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	1.9	%		0.1		USDA20a	01/04/07 12:21 / jjm
METALS, DTPA EXTRACTABLE							
Zinc	1.24	mg/kg		0.02		SW6010B	01/04/07 16:21 / rp
METALS, CACL2 EXTRACTABLE							
Barium	1.1	mg/kg		0.20		SW6010B	01/04/07 14:04 / rp
Boron	ND	mg/kg		0.20		SW6010B	01/04/07 14:04 / rp

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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Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Selenium	0.026	mg/kg		0.010		SW6010B	01/04/07 14:04 / rp

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-002
Client Sample ID: T2/BA-10 (6-12")

Report Date: 01/17/07
Collection Date: 12/12/06 17:00
Date Received: 12/15/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.5	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	1.00	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	46.1	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	3.65	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	4.80	meq/l		0.05		SW6010B	01/08/07 09:19 / rp
Magnesium, sat. paste	2.57	meq/l		0.08		SW6010B	01/08/07 09:19 / rp
Sodium, sat. paste	2.71	meq/l		0.04		SW6010B	01/08/07 09:19 / rp
Sulfate, sat. paste	5.33	meq/L		0.02		SW6010B	01/08/07 09:19 / rp
Chloride, sat. paste	0.21	meq/L		0.03		SW6010B	01/08/07 09:19 / rp
PHYSICAL CHARACTERISTICS							
Sand	26	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	53	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	21	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	SiL	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	26.6	meq/100g		0.09		SW6010B	01/12/07 10:43 / rp
Lime as CaCO3	6.0	%		0.1		USDA23c	01/08/07 00:00 / jjm
Nitrate as N, KCL Extract	8.3	mg/kg		1.0		ASA38-3	01/08/07 12:22 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.68	meq/100g		0.04		SW6010B	01/10/07 15:20 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	2.1	%		0.1		USDA20a	01/04/07 12:21 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-003
Client Sample ID: T2/BA-10 (12-24")

Report Date: 01/17/07
Collection Date: 12/12/06 17:00
Date Received: 12/15/06
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	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.85	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	40.7	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	1.8	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	3.24	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	3.23	meq/l		0.05		SW6010B	01/08/07 09:22 / rp
Magnesium, sat. paste	2.13	meq/l		0.08		SW6010B	01/08/07 09:22 / rp
Sodium, sat. paste	2.98	meq/l		0.04		SW6010B	01/08/07 09:22 / rp
Sulfate, sat. paste	4.14	meq/L		0.02		SW6010B	01/08/07 09:22 / rp
Chloride, sat. paste	0.43	meq/L		0.03		SW6010B	01/08/07 09:22 / rp
PHYSICAL CHARACTERISTICS							
Sand	28	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	53	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	19	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	SiL	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	23.8	meq/100g		0.09		SW6010B	01/12/07 10:45 / rp
Lime as CaCO3	5.8	%		0.1		USDA23c	01/08/07 00:00 / jjm
Nitrate as N, KCL Extract	8.4	mg/kg		1.0		ASA38-3	01/08/07 12:24 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.70	meq/100g		0.04		SW6010B	01/10/07 15:23 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	2.4	%		0.1		USDA20a	01/04/07 12:21 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-004
Client Sample ID: T2/BA-10 (24-36")

Report Date: 01/17/07
Collection Date: 12/12/06 17:00
Date Received: 12/15/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SATURATED PASTE							
pH, sat. paste	7.5	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	1.88	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	36.4	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	2.2	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	2.13	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	6.69	meq/l		0.05		SW6010B	01/08/07 09:25 / rp
Magnesium, sat. paste	5.20	meq/l		0.08		SW6010B	01/08/07 09:25 / rp
Sodium, sat. paste	5.44	meq/l		0.04		SW6010B	01/08/07 09:25 / rp
Chloride, sat. paste	0.22	meq/L		0.03		SW6010B	01/08/07 09:25 / rp
PHYSICAL CHARACTERISTICS							
Sand	48	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	39	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	13	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	L	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	17.0	meq/100g		0.09		SW6010B	01/12/07 10:48 / rp
Lime as CaCO3	5.5	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.83	meq/100g		0.04		SW6010B	01/10/07 15:26 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	3.7	%		0.1		USDA20a	01/04/07 12:21 / jjm

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ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
 Project: Tier II
 Lab ID: H06120136-005
 Client Sample ID: T2/BA-10 (36-60")

Report Date: 01/17/07
 Collection Date: 12/12/06 17:00
 Date Received: 12/15/06
 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	01/04/07 12:21 / jjm
Conductivity, sat. paste	1.99	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	35.8	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	2.6	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	2.03	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	6.46	meq/l		0.05		SW6010B	01/08/07 09:28 / rp
Magnesium, sat. paste	5.34	meq/l		0.08		SW6010B	01/08/07 09:28 / rp
Sodium, sat. paste	6.33	meq/l		0.04		SW6010B	01/08/07 09:28 / rp
Chloride, sat. paste	0.44	meq/L		0.03		SW6010B	01/08/07 09:28 / rp
PHYSICAL CHARACTERISTICS							
Sand	50	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	39	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	11	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	L	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	ND	mg/kg		1.0		A4500-F C	01/15/07 10:45 / abb
Cation Exchange Capacity	14.8	meq/100g		0.09		SW6010B	01/12/07 10:51 / rp
Lime as CaCO3	5.2	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.87	meq/100g		0.04		SW6010B	01/10/07 15:28 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	4.3	%		0.1		USDA20a	01/04/07 12:21 / jjm
METALS, CACL2 EXTRACTABLE							
Barium	0.37	mg/kg		0.20		SW6010B	01/04/07 14:07 / rp
Boron	ND	mg/kg		0.20		SW6010B	01/04/07 14:07 / rp
Selenium	0.043	mg/kg		0.010		SW6010B	01/04/07 14:07 / rp

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



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-006
Client Sample ID: T2/BA-10 (60-96")

Report Date: 01/17/07
Collection Date: 12/12/06 17:00
Date Received: 12/15/06
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	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.99	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	28.3	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	2.4	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	2.33	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	2.99	meq/l		0.05		SW6010B	01/08/07 09:31 / rp
Magnesium, sat. paste	2.05	meq/l		0.08		SW6010B	01/08/07 09:31 / rp
Sodium, sat. paste	3.84	meq/l		0.04		SW6010B	01/08/07 09:31 / rp
Chloride, sat. paste	0.40	meq/L		0.03		SW6010B	01/08/07 09:31 / rp
PHYSICAL CHARACTERISTICS							
Sand	72	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	21	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	7	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	SL	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	9.62	meq/100g		0.09		SW6010B	01/12/07 10:54 / rp
Lime as CaCO3	4.3	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.55	meq/100g		0.04		SW6010B	01/10/07 15:31 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	4.6	%		0.1		USDA20a	01/04/07 12:21 / 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: Tier II
 Lab ID: H06120136-007
 Client Sample ID: T2/BA-10 (0-2")

Report Date: 01/17/07
 Collection Date: 12/12/06 17:00
 Date Received: 12/15/06
 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	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.76	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	48.1	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	1.1	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	4.87	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	3.60	meq/l		0.05		SW6010B	01/08/07 09:34 / rp
Magnesium, sat. paste	1.84	meq/l		0.08		SW6010B	01/08/07 09:34 / rp
Sodium, sat. paste	1.85	meq/l		0.04		SW6010B	01/08/07 09:34 / rp
Chloride, sat. paste	0.18	meq/L		0.03		SW6010B	01/08/07 09:34 / rp
PHYSICAL CHARACTERISTICS							
Sand	26	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	52	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	22	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	SiL	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	27.3	meq/100g		0.09		SW6010B	01/12/07 10:57 / rp
Lime as CaCO3	5.4	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.58	meq/100g		0.04		SW6010B	01/10/07 15:34 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	1.8	%		0.1		USDA20a	01/04/07 12:21 / jjm

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

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