



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-050
Client Sample ID: T2/GA-10 (0-6")

Report Date: 01/17/07
Collection Date: 12/13/06 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	7.3	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.81	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	50.5	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.74	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	6.29	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	4.63	meq/l		0.05		SW6010B	01/08/07 12:29 / rp
Magnesium, sat. paste	2.39	meq/l		0.08		SW6010B	01/08/07 12:29 / rp
Sodium, sat. paste	1.39	meq/l		0.04		SW6010B	01/08/07 12:29 / rp
Sulfate, sat. paste	1.36	meq/L		0.02		SW6010B	01/08/07 12:29 / rp
Chloride, sat. paste	0.07	meq/L		0.03		SW6010B	01/08/07 12:29 / rp
PHYSICAL CHARACTERISTICS							
Sand	29	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	48	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	23	%		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
Potassium, NH4OAc Extractable	214	meq/100g		1		ASA13-3	01/11/07 15:43 / rp
Organic Matter	2.76	%		0.02		ASA29-3	01/05/07 16:02 / skr
Cation Exchange Capacity	33.4	meq/100g		0.09		SW6010B	01/12/07 15:47 / rp
Lime as CaCO3	5.6	%		0.1		USDA23c	01/08/07 00:00 / jjm
Phosphorus	13	mg/kg		0.1		ASA24-5	01/05/07 14:08 / sld
Nitrate as N, KCL Extract	11	mg/kg		1.0		ASA38-3	01/08/07 14:36 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.54	meq/100g		0.04		SW6010B	01/11/07 15:43 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	1.4	%		0.1		USDA20a	01/04/07 12:21 / jjm
METALS, DTPA EXTRACTABLE							
Zinc	0.84	mg/kg		0.02		SW6010B	01/04/07 16:42 / rp
METALS, CACL2 EXTRACTABLE							
Barium	1.1	mg/kg		0.20		SW6010B	01/04/07 14:54 / rp
Boron	ND	mg/kg		0.20		SW6010B	01/04/07 14:54 / 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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Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Selenium	0.063	mg/kg		0.010		SW6010B	01/04/07 14:54 / rp

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ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-051
Client Sample ID: T2/GA-10 (6-12")

Report Date: 01/17/07
Collection Date: 12/13/06 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	0.66	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	40.5	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.77	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	4.46	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	3.67	meq/l		0.05		SW6010B	01/08/07 12:35 / rp
Magnesium, sat. paste	2.00	meq/l		0.08		SW6010B	01/08/07 12:35 / rp
Sodium, sat. paste	1.30	meq/l		0.04		SW6010B	01/08/07 12:35 / rp
Sulfate, sat. paste	2.47	meq/L		0.02		SW6010B	01/08/07 12:35 / rp
Chloride, sat. paste	ND	meq/L		0.03		SW6010B	01/08/07 12:35 / rp
PHYSICAL CHARACTERISTICS							
Sand	33	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	48	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	19	%		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	25.3	meq/100g		0.09		SW6010B	01/12/07 15:53 / rp
Lime as CaCO3	5.9	%		0.1		USDA23c	01/08/07 00:00 / jjm
Nitrate as N, KCL Extract	5.6	mg/kg		1.0		ASA38-3	01/08/07 13:22 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.51	meq/100g		0.04		SW6010B	01/11/07 15:49 / 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

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-052
Client Sample ID: T2/GA-10 (12-24")

Report Date: 01/17/07
Collection Date: 12/13/06 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	7.7	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	1.45	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	42.5	%		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	4.46	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	4.70	meq/l		0.05		SW6010B	01/08/07 12:38 / rp
Magnesium, sat. paste	4.31	meq/l		0.08		SW6010B	01/08/07 12:38 / rp
Sodium, sat. paste	5.14	meq/l		0.04		SW6010B	01/08/07 12:38 / rp
Sulfate, sat. paste	9.76	meq/L		0.02		SW6010B	01/08/07 12:38 / rp
Chloride, sat. paste	0.04	meq/L		0.03		SW6010B	01/08/07 12:38 / rp
PHYSICAL CHARACTERISTICS							
Sand	30	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	51	%		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	23.4	meq/100g		0.09		SW6010B	01/12/07 15:56 / rp
Lime as CaCO3	7.3	%		0.1		USDA23c	01/08/07 00:00 / jjm
Nitrate as N, KCL Extract	4.4	mg/kg		1.0		ASA38-3	01/08/07 13:24 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.91	meq/100g		0.04		SW6010B	01/11/07 15:52 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.7	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	2.9	%		0.1		USDA20a	01/04/07 12:21 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-053
Client Sample ID: T2/GA-10 (24-36")

Report Date: 01/17/07
Collection Date: 12/13/06 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	7.9	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	6.86	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	40.9	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	8.6	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	2.84	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	17.4	meq/l		0.05		SW6010B	01/08/07 12:46 / rp
Magnesium, sat. paste	30.5	meq/l		0.08		SW6010B	01/08/07 12:46 / rp
Sodium, sat. paste	42.2	meq/l		0.04		SW6010B	01/08/07 12:46 / rp
Chloride, sat. paste	1.47	meq/L		0.03		SW6010B	01/08/07 12:46 / rp
PHYSICAL CHARACTERISTICS							
Sand	44	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	43	%		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	19.0	meq/100g		0.09		SW6010B	01/12/07 15:59 / rp
Lime as CaCO3	6.9	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	2.98	meq/100g		0.04		SW6010B	01/11/07 15:55 / rp
EXCHANGEABLES							
Exchangeable Sodium	1.2	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	6.6	%		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: H06120136-054
Client Sample ID: T2/GA-10 (36-60")

Report Date: 01/17/07
Collection Date: 12/13/06 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	8.0	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	7.89	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	34.3	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	11	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	1.89	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	14.4	meq/l		0.05		SW6010B	01/08/07 12:49 / rp
Magnesium, sat. paste	31.6	meq/l		0.08		SW6010B	01/08/07 12:49 / rp
Sodium, sat. paste	53.4	meq/l		0.04		SW6010B	01/08/07 12:49 / rp
Chloride, sat. paste	2.13	meq/L		0.03		SW6010B	01/08/07 12:49 / rp
PHYSICAL CHARACTERISTICS							
Sand	56	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	35	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	9	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	SL	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Fluoride	1.3	mg/kg		1.0		A4500-F C	01/15/07 10:45 / abb
Cation Exchange Capacity	13.9	meq/100g		0.09		SW6010B	01/12/07 16:02 / rp
Lime as CaCO3	6.3	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	3.51	meq/100g		0.04		SW6010B	01/11/07 15:58 / rp
EXCHANGEABLES							
Exchangeable Sodium	1.7	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	12	%		0.1		USDA20a	01/04/07 12:21 / jjm
METALS, CACL2 EXTRACTABLE							
Barium	ND	mg/kg		0.20		SW6010B	01/04/07 15:06 / rp
Boron	0.40	mg/kg		0.20		SW6010B	01/04/07 15:06 / rp
Selenium	0.052	mg/kg		0.010		SW6010B	01/04/07 15:06 / 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: H06120136-055
Client Sample ID: T2/GA-10 (60-96")

Report Date: 01/17/07
Collection Date: 12/13/06 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	7.9	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	2.31	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	29.9	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	6.0	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	2.16	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 12:52 / rp
Magnesium, sat. paste	5.17	meq/l		0.08		SW6010B	01/08/07 12:52 / rp
Sodium, sat. paste	12.2	meq/l		0.04		SW6010B	01/08/07 12:52 / rp
Chloride, sat. paste	0.39	meq/L		0.03		SW6010B	01/08/07 12:52 / rp
PHYSICAL CHARACTERISTICS							
Sand	78	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	19	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	3	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	LS	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	11.7	meq/100g		0.09		SW6010B	01/12/07 16:11 / rp
Lime as CaCO3	5.0	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.25	meq/100g		0.04		SW6010B	01/11/07 16:01 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	7.5	%		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: H06120136-056
Client Sample ID: T2/GA-10 (0-2")

Report Date: 01/17/07
Collection Date: 12/13/06 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	7.2	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.90	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	68.7	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.52	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	7.10	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	5.26	meq/l		0.05		SW6010B	01/08/07 12:55 / rp
Magnesium, sat. paste	3.27	meq/l		0.08		SW6010B	01/08/07 12:55 / rp
Sodium, sat. paste	1.08	meq/l		0.04		SW6010B	01/08/07 12:55 / rp
Chloride, sat. paste	0.13	meq/L		0.03		SW6010B	01/08/07 12:55 / rp
PHYSICAL CHARACTERISTICS							
Sand	11	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	55	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	34	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	SiCL	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	41.0	meq/100g		0.09		SW6010B	01/12/07 16:14 / rp
Lime as CaCO3	7.7	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.59	meq/100g		0.04		SW6010B	01/11/07 16:04 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	1.3	%		0.1		USDA20a	01/04/07 12:21 / jjm

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 ND - Not detected at the reporting limit.