



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-043
Client Sample ID: T2/GC10 (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	7.1	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	1.09	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	59.3	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.68	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	7.30	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	5.99	meq/l		0.05		SW6010B	01/08/07 11:56 / rp
Magnesium, sat. paste	3.85	meq/l		0.08		SW6010B	01/08/07 11:56 / rp
Sodium, sat. paste	1.50	meq/l		0.04		SW6010B	01/08/07 11:56 / rp
Sulfate, sat. paste	1.67	meq/L		0.02		SW6010B	01/08/07 11:56 / rp
Chloride, sat. paste	0.38	meq/L		0.03		SW6010B	01/08/07 11:56 / rp
PHYSICAL CHARACTERISTICS							
Sand	10	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	55	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	35	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	SiCL	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	240	meq/100g		1		ASA13-3	01/11/07 15:17 / rp
Organic Matter	3.53	%		0.02		ASA29-3	01/05/07 16:02 / skr
Cation Exchange Capacity	38.3	meq/100g		0.09		SW6010B	01/12/07 15:21 / rp
Lime as CaCO3	8.2	%		0.1		USDA23c	01/08/07 00:00 / jjm
Phosphorus	12	mg/kg		0.1		ASA24-5	01/05/07 14:07 / sld
Nitrate as N, KCL Extract	9.8	mg/kg		1.0		ASA38-3	01/08/07 13:08 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.63	meq/100g		0.04		SW6010B	01/11/07 15:17 / 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	0.86	mg/kg		0.02		SW6010B	01/04/07 16:39 / rp
METALS, CACL2 EXTRACTABLE							
Barium	1.2	mg/kg		0.20		SW6010B	01/04/07 14:48 / rp
Boron	0.32	mg/kg		0.20		SW6010B	01/04/07 14:48 / rp

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: Tier II
Lab ID: H06120136-043
Client Sample ID: T2/GC10 (0-6")

Report Date: 01/17/07
Collection Date: 12/13/06 17:00
DateReceived: 12/15/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Selenium	0.080	mg/kg		0.010		SW6010B	01/04/07 14:48 / rp

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: Tier II
Lab ID: H06120136-044
Client Sample ID: T2/GC10 (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	0.63	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	53.7	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.96	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	2.88	meq/l		0.05		SW6010B	01/08/07 11:59 / rp
Magnesium, sat. paste	1.93	meq/l		0.08		SW6010B	01/08/07 11:59 / rp
Sodium, sat. paste	1.49	meq/l		0.04		SW6010B	01/08/07 11:59 / rp
Sulfate, sat. paste	2.34	meq/L		0.02		SW6010B	01/08/07 11:59 / rp
Chloride, sat. paste	0.28	meq/L		0.03		SW6010B	01/08/07 11:59 / rp
PHYSICAL CHARACTERISTICS							
Sand	9	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	58	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	33	%		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	31.8	meq/100g		0.09		SW6010B	01/12/07 15:24 / rp
Lime as CaCO3	8.8	%		0.1		USDA23c	01/08/07 00:00 / jjm
Nitrate as N, KCL Extract	6.4	mg/kg		1.0		ASA38-3	01/08/07 13:10 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.67	meq/100g		0.04		SW6010B	01/11/07 15:20 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	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

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: Tier II
Lab ID: H06120136-045
Client Sample ID: T2/GC10 (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	7.6	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.67	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	48.2	%		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	3.45	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	2.98	meq/l		0.05		SW6010B	01/08/07 12:02 / rp
Magnesium, sat. paste	2.07	meq/l		0.08		SW6010B	01/08/07 12:02 / rp
Sodium, sat. paste	1.74	meq/l		0.04		SW6010B	01/08/07 12:02 / rp
Sulfate, sat. paste	2.95	meq/L		0.02		SW6010B	01/08/07 12:02 / rp
Chloride, sat. paste	0.36	meq/L		0.03		SW6010B	01/08/07 12:02 / rp
PHYSICAL CHARACTERISTICS							
Sand	17	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	57	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	26	%		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	29.4	meq/100g		0.09		SW6010B	01/12/07 15:26 / rp
Lime as CaCO3	9.2	%		0.1		USDA23c	01/08/07 00:00 / jjm
Nitrate as N, KCL Extract	4.2	mg/kg		1.0		ASA38-3	01/08/07 13:16 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.67	meq/100g		0.04		SW6010B	01/11/07 15:23 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	2.0	%		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.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-046
Client Sample ID: T2/GC10 (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	7.6	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	1.17	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	44.4	%		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	2.43	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	5.53	meq/l		0.05		SW6010B	01/08/07 12:17 / rp
Magnesium, sat. paste	3.92	meq/l		0.08		SW6010B	01/08/07 12:17 / rp
Sodium, sat. paste	2.95	meq/l		0.04		SW6010B	01/08/07 12:17 / rp
Chloride, sat. paste	0.49	meq/L		0.03		SW6010B	01/08/07 12:17 / rp
PHYSICAL CHARACTERISTICS							
Sand	29	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	49	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	22	%		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	24.5	meq/100g		0.09		SW6010B	01/12/07 15:35 / rp
Lime as CaCO3	7.8	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.75	meq/100g		0.04		SW6010B	01/11/07 15:26 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	2.5	%		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.



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-047
Client Sample ID: T2/GC10 (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	7.6	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	1.17	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	38.8	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	1.2	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	5.15	meq/l		0.05		SW6010B	01/08/07 12:20 / rp
Magnesium, sat. paste	3.69	meq/l		0.08		SW6010B	01/08/07 12:20 / rp
Sodium, sat. paste	2.63	meq/l		0.04		SW6010B	01/08/07 12:20 / rp
Chloride, sat. paste	0.09	meq/L		0.03		SW6010B	01/08/07 12:20 / rp
PHYSICAL CHARACTERISTICS							
Sand	31	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	50	%		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							
Fluoride	ND	mg/kg		1.0		A4500-F C	01/15/07 10:45 / abb
Cation Exchange Capacity	22.0	meq/100g		0.09		SW6010B	01/12/07 15:38 / rp
Lime as CaCO3	8.5	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.73	meq/100g		0.04		SW6010B	01/11/07 15:29 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	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
METALS, CACL2 EXTRACTABLE							
Barium	0.40	mg/kg		0.20		SW6010B	01/04/07 14:51 / rp
Boron	ND	mg/kg		0.20		SW6010B	01/04/07 14:51 / rp
Selenium	0.074	mg/kg		0.010		SW6010B	01/04/07 14:51 / rp

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: Tier II
 Lab ID: H06120136-048
 Client Sample ID: T2/GC10 (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	7.5	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.92	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	26.8	%		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	2.97	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	4.05	meq/l		0.05		SW6010B	01/08/07 12:23 / rp
Magnesium, sat. paste	3.01	meq/l		0.08		SW6010B	01/08/07 12:23 / rp
Sodium, sat. paste	2.06	meq/l		0.04		SW6010B	01/08/07 12:23 / rp
Chloride, sat. paste	0.05	meq/L		0.03		SW6010B	01/08/07 12:23 / rp
PHYSICAL CHARACTERISTICS							
Sand	68	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	24	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	8	%		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	14.7	meq/100g		0.09		SW6010B	01/12/07 15:41 / rp
Lime as CaCO3	5.9	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.49	meq/100g		0.04		SW6010B	01/11/07 15:32 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	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

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: Tier II
 Lab ID: H06120136-049
 Client Sample ID: T2/GC10 (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	7.4	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.79	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	51.4	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.44	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	6.79	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	4.18	meq/l		0.05		SW6010B	01/08/07 12:26 / rp
Magnesium, sat. paste	2.40	meq/l		0.08		SW6010B	01/08/07 12:26 / rp
Sodium, sat. paste	0.80	meq/l		0.04		SW6010B	01/08/07 12:26 / rp
Chloride, sat. paste	0.17	meq/L		0.03		SW6010B	01/08/07 12:26 / rp
PHYSICAL CHARACTERISTICS							
Sand	35	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	46	%		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	28.4	meq/100g		0.09		SW6010B	01/12/07 15:44 / rp
Lime as CaCO3	5.1	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.46	meq/100g		0.04		SW6010B	01/11/07 15:35 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	1.5	%		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.