



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-064
Client Sample ID: T2/MB-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	7.5	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.64	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	46.9	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.24	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	3.08	meq/l		0.05		SW6010B	01/08/07 13:28 / rp
Magnesium, sat. paste	2.30	meq/l		0.08		SW6010B	01/08/07 13:28 / rp
Sodium, sat. paste	0.40	meq/l		0.04		SW6010B	01/08/07 13:28 / rp
Sulfate, sat. paste	0.98	meq/L		0.02		SW6010B	01/08/07 13:28 / rp
Chloride, sat. paste	ND	meq/L		0.03		SW6010B	01/08/07 13:28 / rp
PHYSICAL CHARACTERISTICS							
Sand	28	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	45	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	27	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	CL	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	443	meq/100g		1		ASA13-3	01/12/07 08:53 / rp
Organic Matter	1.51	%		0.02		ASA29-3	01/05/07 16:02 / skr
Cation Exchange Capacity	27.6	meq/100g		0.09		SW6010B	01/12/07 16:46 / rp
Lime as CaCO3	1.8	%		0.1		USDA23c	01/08/07 00:00 / jjm
Phosphorus	19	mg/kg		0.1		ASA24-5	01/05/07 14:11 / sld
Nitrate as N, KCL Extract	12	mg/kg		1.0		ASA38-3	01/08/07 14:40 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.42	meq/100g		0.04		SW6010B	01/12/07 08:53 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	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	0.44	mg/kg		0.02		SW6010B	01/04/07 16:53 / rp
METALS, CACL2 EXTRACTABLE							
Barium	0.68	mg/kg		0.20		SW6010B	01/04/07 15:15 / rp
Boron	0.21	mg/kg		0.20		SW6010B	01/04/07 15:15 / 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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Project: Tier II
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Report Date: 01/17/07
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DateReceived: 12/15/06
Matrix: Soil

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, CACL2 EXTRACTABLE							
Selenium	0.029	mg/kg		0.010		SW6010B	01/04/07 15:15 / 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: H06120136-065
Client Sample ID: T2/MB-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	1.22	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	46.0	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.83	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	6.08	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	5.01	meq/l		0.05		SW6010B	01/08/07 13:31 / rp
Magnesium, sat. paste	4.83	meq/l		0.08		SW6010B	01/08/07 13:31 / rp
Sodium, sat. paste	1.83	meq/l		0.04		SW6010B	01/08/07 13:31 / rp
Sulfate, sat. paste	2.52	meq/L		0.02		SW6010B	01/08/07 13:31 / rp
Chloride, sat. paste	0.07	meq/L		0.03		SW6010B	01/08/07 13:31 / rp
PHYSICAL CHARACTERISTICS							
Sand	23	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	46	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	31	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	CL	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	24.7	meq/100g		0.09		SW6010B	01/12/07 16:49 / rp
Lime as CaCO3	5.2	%		0.1		USDA23c	01/08/07 00:00 / jjm
Nitrate as N, KCL Extract	19	mg/kg	D	2.5		ASA38-3	01/08/07 14:42 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.55	meq/100g		0.04		SW6010B	01/12/07 08:56 / 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

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

D - RL increased due to sample matrix interference.

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



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-066
Client Sample ID: T2/MB-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	7.8	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.61	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)	0.84	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	2.12	meq/l		0.05		SW6010B	01/08/07 13:34 / rp
Magnesium, sat. paste	2.51	meq/l		0.08		SW6010B	01/08/07 13:34 / rp
Sodium, sat. paste	1.28	meq/l		0.04		SW6010B	01/08/07 13:34 / rp
Sulfate, sat. paste	2.49	meq/L		0.02		SW6010B	01/08/07 13:34 / rp
Chloride, sat. paste	0.16	meq/L		0.03		SW6010B	01/08/07 13:34 / rp
PHYSICAL CHARACTERISTICS							
Sand	22	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	45	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	33	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	CL	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	25.8	meq/100g		0.09		SW6010B	01/12/07 16:58 / rp
Lime as CaCO3	9.8	%		0.1		USDA23c	01/08/07 00:00 / jjm
Nitrate as N, KCL Extract	5.8	mg/kg		1.0		ASA38-3	01/08/07 13:40 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.61	meq/100g		0.04		SW6010B	01/12/07 08:59 / 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

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: H06120136-067
Client Sample ID: T2/MB-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	7.8	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.93	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	43.2	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	1.7	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	2.54	meq/l		0.05		SW6010B	01/08/07 13:37 / rp
Magnesium, sat. paste	3.41	meq/l		0.08		SW6010B	01/08/07 13:37 / rp
Sodium, sat. paste	2.88	meq/l		0.04		SW6010B	01/08/07 13:37 / rp
Chloride, sat. paste	0.38	meq/L		0.03		SW6010B	01/08/07 13:37 / rp
PHYSICAL CHARACTERISTICS							
Sand	30	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	43	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	27	%		1		ASA15-5	01/04/07 12:21 / jjm
Texture	CL	unitless				ASA15-5	01/04/07 12:21 / jjm
CHEMICAL CHARACTERISTICS							
Cation Exchange Capacity	24.4	meq/100g		0.09		SW6010B	01/12/07 17:01 / rp
Lime as CaCO3	10.6	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.77	meq/100g		0.04		SW6010B	01/12/07 09:02 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	2.7	%		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: H06120136-068
 Client Sample ID: T2/MB-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	7.6	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	3.67	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)	1.5	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	1.62	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	20.2	meq/l		0.05		SW6010B	01/08/07 13:40 / rp
Magnesium, sat. paste	20.7	meq/l		0.08		SW6010B	01/08/07 13:40 / rp
Sodium, sat. paste	6.83	meq/l		0.04		SW6010B	01/08/07 13:40 / rp
Chloride, sat. paste	1.42	meq/L		0.03		SW6010B	01/08/07 13:40 / rp
PHYSICAL CHARACTERISTICS							
Sand	48	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	33	%		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							
Fluoride	ND	mg/kg		1.0		A4500-F C	01/15/07 10:45 / abb
Cation Exchange Capacity	19.0	meq/100g		0.09		SW6010B	01/12/07 17:04 / rp
Lime as CaCO3	6.5	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.86	meq/100g		0.04		SW6010B	01/12/07 09:05 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.6	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	3.1	%		0.1		USDA20a	01/04/07 12:21 / jjm
METALS, CaCl2 EXTRACTABLE							
Barium	ND	mg/kg		0.20		SW6010B	01/04/07 15:24 / rp
Boron	0.24	mg/kg		0.20		SW6010B	01/04/07 15:24 / rp
Selenium	0.027	mg/kg		0.010		SW6010B	01/04/07 15:24 / 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: H06120136-069
Client Sample ID: T2/MB-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	7.6	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	4.01	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	43.1	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	1.6	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	1.42	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	22.8	meq/l		0.05		SW6010B	01/08/07 13:43 / rp
Magnesium, sat. paste	21.2	meq/l		0.08		SW6010B	01/08/07 13:43 / rp
Sodium, sat. paste	7.29	meq/l		0.04		SW6010B	01/08/07 13:43 / rp
Chloride, sat. paste	1.45	meq/L		0.03		SW6010B	01/08/07 13:43 / rp
PHYSICAL CHARACTERISTICS							
Sand	43	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	36	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	21	%		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	23.4	meq/100g		0.09		SW6010B	01/12/07 17:07 / rp
Lime as CaCO3	5.3	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.09	meq/100g		0.04		SW6010B	01/12/07 09:08 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.8	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	3.3	%		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: H06120136-070
Client Sample ID: T2/MB-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	7.4	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	41.1	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.14	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	4.06	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	3.09	meq/l		0.05		SW6010B	01/08/07 13:46 / rp
Magnesium, sat. paste	2.17	meq/l		0.08		SW6010B	01/08/07 13:46 / rp
Sodium, sat. paste	0.23	meq/l		0.04		SW6010B	01/08/07 13:46 / rp
Chloride, sat. paste	0.04	meq/L		0.03		SW6010B	01/08/07 13:46 / rp
PHYSICAL CHARACTERISTICS							
Sand	30	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	46	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	24	%		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	27.9	meq/100g		0.09		SW6010B	01/12/07 17:10 / rp
Lime as CaCO3	1.2	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.33	meq/100g		0.04		SW6010B	01/12/07 09:11 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.3	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	1.1	%		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.