



LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-036
Client Sample ID: T2/OAA-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	0.79	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	51.5	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.13	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	6.22	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 11:27 / rp
Magnesium, sat. paste	2.52	meq/l		0.08		SW6010B	01/08/07 11:27 / rp
Sodium, sat. paste	0.24	meq/l		0.04		SW6010B	01/08/07 11:27 / rp
Sulfate, sat. paste	0.55	meq/L		0.02		SW6010B	01/08/07 11:27 / rp
Chloride, sat. paste	0.05	meq/L		0.03		SW6010B	01/08/07 11:27 / rp
PHYSICAL CHARACTERISTICS							
Sand	27	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	56	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	17	%		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	353	meq/100g		1		ASA13-3	01/11/07 14:47 / rp
Organic Matter	3.90	%		0.02		ASA29-3	01/05/07 16:02 / skr
Cation Exchange Capacity	35.7	meq/100g		0.09		SW6010B	01/12/07 14:51 / rp
Lime as CaCO3	7.5	%		0.1		USDA23c	01/08/07 00:00 / jjm
Phosphorus	6.9	mg/kg		0.1		ASA24-5	01/05/07 14:03 / sld
Nitrate as N, KCL Extract	23	mg/kg	D	2.5		ASA38-3	01/08/07 14:26 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.38	meq/100g		0.04		SW6010B	01/11/07 14:47 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.4	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	1.0	%		0.1		USDA20a	01/04/07 12:21 / jjm
METALS, DTPA EXTRACTABLE							
Zinc	1.26	mg/kg		0.02		SW6010B	01/04/07 16:36 / rp
METALS, CACL2 EXTRACTABLE							
Barium	3.2	mg/kg		0.20		SW6010B	01/04/07 14:40 / rp
Boron	0.50	mg/kg		0.20		SW6010B	01/04/07 14:40 / rp

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: H06120136-036
Client Sample ID: T2/OAA-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
METALS, CACL2 EXTRACTABLE							
Selenium	0.12	mg/kg		0.010		SW6010B	01/04/07 14:40 / 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: H06120136-037
Client Sample ID: T2/OAA-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	7.6	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.54	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	45.0	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.37	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	3.85	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	2.61	meq/l		0.05		SW6010B	01/08/07 11:35 / rp
Magnesium, sat. paste	2.24	meq/l		0.08		SW6010B	01/08/07 11:35 / rp
Sodium, sat. paste	0.57	meq/l		0.04		SW6010B	01/08/07 11:35 / rp
Sulfate, sat. paste	0.78	meq/L		0.02		SW6010B	01/08/07 11:35 / rp
Chloride, sat. paste	0.07	meq/L		0.03		SW6010B	01/08/07 11:35 / rp
PHYSICAL CHARACTERISTICS							
Sand	23	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	56	%		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	26.5	meq/100g		0.09		SW6010B	01/12/07 15:00 / rp
Lime as CaCO3	8.2	%		0.1		USDA23c	01/08/07 00:00 / jjm
Nitrate as N, KCL Extract	36	mg/kg	D	2.5		ASA38-3	01/08/07 14:28 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.49	meq/100g		0.04		SW6010B	01/11/07 14:50 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.5	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	1.7	%		0.1		USDA20a	01/04/07 12:21 / jjm

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LABORATORY ANALYTICAL REPORT

Client: HydroSolutions Inc
Project: Tier II
Lab ID: H06120136-038
Client Sample ID: T2/OAA-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	0.86	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	40.6	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	2.9	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	2.28	meq/l		0.05		SW6010B	01/08/07 11:38 / rp
Magnesium, sat. paste	1.81	meq/l		0.08		SW6010B	01/08/07 11:38 / rp
Sodium, sat. paste	4.10	meq/l		0.04		SW6010B	01/08/07 11:38 / rp
Sulfate, sat. paste	1.48	meq/L		0.02		SW6010B	01/08/07 11:38 / rp
Chloride, sat. paste	0.08	meq/L		0.03		SW6010B	01/08/07 11:38 / 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							
Cation Exchange Capacity	21.1	meq/100g		0.09		SW6010B	01/12/07 15:03 / rp
Lime as CaCO3	8.5	%		0.1		USDA23c	01/08/07 00:00 / jjm
Nitrate as N, KCL Extract	32	mg/kg	D	2.5		ASA38-3	01/08/07 14:30 / sld
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.92	meq/100g		0.04		SW6010B	01/11/07 14:53 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.8	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	3.6	%		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: H06120136-039
Client Sample ID: T2/OAA-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	7.7	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	2.61	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	36.9	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	5.7	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	3.38	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	5.52	meq/l		0.05		SW6010B	01/08/07 11:41 / rp
Magnesium, sat. paste	6.13	meq/l		0.08		SW6010B	01/08/07 11:41 / rp
Sodium, sat. paste	13.8	meq/l		0.04		SW6010B	01/08/07 11:41 / rp
Chloride, sat. paste	0.38	meq/L		0.03		SW6010B	01/08/07 11:41 / rp
PHYSICAL CHARACTERISTICS							
Sand	39	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	40	%		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	16.5	meq/100g		0.09		SW6010B	01/12/07 15:06 / rp
Lime as CaCO3	8.2	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.38	meq/100g		0.04		SW6010B	01/11/07 14:56 / rp
EXCHANGEABLES							
Exchangeable Sodium	0.9	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	5.3	%		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: H06120136-040
Client Sample ID: T2/OAA-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	7.7	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	3.08	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	40.0	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	4.0	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	9.17	meq/l		0.05		SW6010B	01/08/07 11:44 / rp
Magnesium, sat. paste	11.6	meq/l		0.08		SW6010B	01/08/07 11:44 / rp
Sodium, sat. paste	12.9	meq/l		0.04		SW6010B	01/08/07 11:44 / rp
Chloride, sat. paste	0.45	meq/L		0.03		SW6010B	01/08/07 11:44 / rp
PHYSICAL CHARACTERISTICS							
Sand	31	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	52	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	17	%		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	17.9	meq/100g		0.09		SW6010B	01/12/07 15:09 / rp
Lime as CaCO3	8.5	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	1.56	meq/100g		0.04		SW6010B	01/11/07 14:59 / rp
EXCHANGEABLES							
Exchangeable Sodium	1.0	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	5.8	%		0.1		USDA20a	01/04/07 12:21 / jjm
METALS, CACL2 EXTRACTABLE							
Barium	0.29	mg/kg		0.20		SW6010B	01/04/07 14:43 / rp
Boron	0.36	mg/kg		0.20		SW6010B	01/04/07 14:43 / rp
Selenium	0.072	mg/kg		0.010		SW6010B	01/04/07 14:43 / 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: H06120136-041
Client Sample ID: T2/OAA-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	4.01	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)	6.1	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	9.52	meq/l		0.05		SW6010B	01/08/07 11:50 / rp
Magnesium, sat. paste	13.4	meq/l		0.08		SW6010B	01/08/07 11:50 / rp
Sodium, sat. paste	20.7	meq/l		0.04		SW6010B	01/08/07 11:50 / rp
Chloride, sat. paste	1.00	meq/L		0.03		SW6010B	01/08/07 11:50 / rp
PHYSICAL CHARACTERISTICS							
Sand	33	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	52	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	15	%		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	17.2	meq/100g		0.09		SW6010B	01/12/07 15:15 / rp
Lime as CaCO3	9.3	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	2.05	meq/100g		0.04		SW6010B	01/11/07 15:11 / rp
EXCHANGEABLES							
Exchangeable Sodium	1.2	meq/100g		0.1		Calculation	01/04/07 12:21 / jjm
Exchangeable Sodium Percentage	7.3	%		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: H06120136-042
Client Sample ID: T2/OAA-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	7.3	s.u.		0.1		ASAM10-3.2	01/04/07 12:21 / jjm
Conductivity, sat. paste	0.95	mmhos/cm		0.01		ASAM10-3	01/04/07 12:21 / jjm
Saturation	51.8	%		0.1		USDA27a	01/04/07 12:21 / jjm
Sodium Adsorption Ratio (SAR)	0.09	unitless		0.01		Calculation	01/04/07 12:21 / jjm
Bicarbonate, sat. paste	7.03	meq/L		0.02		ASA10-3	01/09/07 10:33 / abb
SATURATED PASTE							
Calcium, sat. paste	5.98	meq/l		0.05		SW6010B	01/08/07 11:53 / rp
Magnesium, sat. paste	2.28	meq/l		0.08		SW6010B	01/08/07 11:53 / rp
Sodium, sat. paste	0.18	meq/l		0.04		SW6010B	01/08/07 11:53 / rp
Chloride, sat. paste	0.10	meq/L		0.03		SW6010B	01/08/07 11:53 / rp
PHYSICAL CHARACTERISTICS							
Sand	37	%		1		ASA15-5	01/04/07 12:21 / jjm
Silt	48	%		1		ASA15-5	01/04/07 12:21 / jjm
Clay	15	%		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	27.3	meq/100g		0.09		SW6010B	01/12/07 15:18 / rp
Lime as CaCO3	6.7	%		0.1		USDA23c	01/08/07 00:00 / jjm
METALS, AMMONIUM ACETATE EXTRACTABLE							
Sodium, Extractable	0.32	meq/100g		0.04		SW6010B	01/11/07 15:14 / 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.