

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Soil Testing Suite

received 10/24/2012
Project 7370
Remediation 200366906

ID: 280-34384-1

Client Sample ID: PRAIRIE DOG 43-9 NATIVE NORTH

Lab Sample ID: 280-34384-7

Date Collected: 10/09/12 11:40

Matrix: Solid

Date Received: 10/10/12 10:00

Percent Solids: 90.3

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9		0.11		mg/Kg	☆	10/11/12 14:00	10/12/12 01:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.7		0.10		%			10/11/12 09:41	1

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Soil Testing Suite

TestAmerica Job ID: 280-34384-1

Client Sample ID: PRAIRIE DOG 43-9 NATIVE WEST

Lab Sample ID: 280-34384-8

Date Collected: 10/09/12 11:43

Matrix: Solid

Date Received: 10/10/12 10:00

Percent Solids: 95.5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0		0.10		mg/Kg	☼	10/11/12 14:00	10/12/12 01:05	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.5		0.10		%			10/11/12 09:41	1

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Soil Testing Suite

TestAmerica Job ID: 280-34384-1

Client Sample ID: PRAIRIE DOG 43-9 NATIVE SOUTH

Lab Sample ID: 280-34384-9

Date Collected: 10/09/12 11:46

Matrix: Solid

Date Received: 10/10/12 10:00

Percent Solids: 92.0

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0		0.10		mg/Kg	☼	10/11/12 14:00	10/12/12 01:08	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.0		0.10		%			10/11/12 09:41	1

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Soil Testing Suite

TestAmerica Job ID: 280-34384-1

Client Sample ID: PRAIRIE DOG 43-9 NATIVE EAST

Lab Sample ID: 280-34384-10

Date Collected: 10/09/12 11:50

Matrix: Solid

Date Received: 10/10/12 10:00

Percent Solids: 94.3

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		0.099		mg/Kg	☆	10/11/12 14:00	10/12/12 01:11	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.7		0.10		%			10/11/12 09:41	1

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Soil Testing Suite

TestAmerica Job ID: 280-34384-1

Client Sample ID: PRAIRIE DOG 43-9 TOP OF PIT

Lab Sample ID: 280-34384-11

Date Collected: 10/09/12 11:55

Matrix: Solid

Date Received: 10/10/12 10:00

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	12		1.2		No Unit		10/11/12 09:26	10/19/12 13:44	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.8		0.10		mg/Kg	☼	10/11/12 14:00	10/12/12 01:14	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.5		0.10		%			10/11/12 09:41	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	9.50		0.100		SU			10/12/12 10:32	1
Specific Conductance	19		2.0		umhos/cm			10/18/12 19:30	1

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Soil Testing Suite

TestAmerica Job ID: 280-34384-1

Client Sample ID: PRAIRIE DOG 43-9 BOTTOM OF PIT

Lab Sample ID: 280-34384-12

Date Collected: 10/09/12 11:58

Matrix: Solid

Date Received: 10/10/12 10:00

Percent Solids: 78.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.3		ug/Kg	☼	10/15/12 16:00	10/16/12 01:59	1
Ethylbenzene	ND		6.3		ug/Kg	☼	10/15/12 16:00	10/16/12 01:59	1
Toluene	ND		6.3		ug/Kg	☼	10/15/12 16:00	10/16/12 01:59	1
Xylenes, Total	ND		6.3		ug/Kg	☼	10/15/12 16:00	10/16/12 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		58 - 140	10/15/12 16:00	10/16/12 01:59	1
Toluene-d8 (Surr)	100		80 - 126	10/15/12 16:00	10/16/12 01:59	1
4-Bromofluorobenzene (Surr)	110		76 - 127	10/15/12 16:00	10/16/12 01:59	1
Dibromofluoromethane (Surr)	110		75 - 121	10/15/12 16:00	10/16/12 01:59	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		1.5		mg/Kg	☼	10/12/12 17:49	10/15/12 21:19	1
-C6-C10									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	73	X	77 - 123	10/12/12 17:49	10/15/12 21:19	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	14		4.9		mg/Kg	☼	10/12/12 13:49	10/16/12 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	61		49 - 115	10/12/12 13:49	10/16/12 11:06	1

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	57		1.2		No Unit		10/11/12 09:26	10/19/12 13:46	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	280		1.2		mg/Kg	☼	10/12/12 09:00	10/13/12 06:01	1
Boron	ND		12		mg/Kg	☼	10/12/12 09:00	10/13/12 06:01	1
Cadmium	ND		0.62		mg/Kg	☼	10/12/12 09:00	10/13/12 06:01	1
Calcium	5900		62		mg/Kg	☼	10/12/12 09:00	10/13/12 06:01	1
Magnesium	3800		25		mg/Kg	☼	10/12/12 09:00	10/13/12 06:01	1
Molybdenum	ND		2.5		mg/Kg	☼	10/12/12 09:00	10/13/12 06:01	1
Silver	ND		1.2		mg/Kg	☼	10/12/12 09:00	10/13/12 06:01	1
Sodium	3100		620		mg/Kg	☼	10/12/12 09:00	10/13/12 06:01	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5		0.12		mg/Kg	☼	10/11/12 14:00	10/12/12 01:23	1
Chromium	22		0.24		mg/Kg	☼	10/11/12 14:00	10/12/12 01:23	1
Copper	38		0.30		mg/Kg	☼	10/11/12 14:00	10/12/12 01:23	1
Lead	16		0.12		mg/Kg	☼	10/11/12 14:00	10/12/12 01:23	1
Nickel	17		0.18		mg/Kg	☼	10/11/12 14:00	10/12/12 01:23	1
Selenium	2.6		0.24		mg/Kg	☼	10/11/12 14:00	10/12/12 01:23	1
Zinc	94		1.2		mg/Kg	☼	10/11/12 14:00	10/12/12 01:23	1

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: Soil Testing Suite

TestAmerica Job ID: 280-34384-1

Client Sample ID: PRAIRIE DOG 43-9 BOTTOM OF PIT

Lab Sample ID: 280-34384-12

Date Collected: 10/09/12 11:58

Matrix: Solid

Date Received: 10/10/12 10:00

Percent Solids: 78.3

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	42		26		ug/Kg	☼	10/12/12 11:45	10/12/12 19:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		0.10		%	—		10/11/12 09:41	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	9.65		0.100		SU	—		10/12/12 10:32	1
Specific Conductance	220		2.0		umhos/cm	—		10/18/12 19:30	1