

received 03/31/2014
Project 8303
Remediation 200400837
API 071-09170

Client Sample Results

urces USA, Inc.

TestAmerica Job ID: 280-44021-1

Client Sample ID: OZZIE 11-26 TR NATIVE NORTH

Lab Sample ID: 280-44021-7

Date Collected: 07/02/13 09:41

Matrix: Solid

Date Received: 07/03/13 09:45

Percent Solids: 73.6

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		0.13		mg/Kg	☼	07/08/13 01:30	07/09/13 17:12	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	26		0.10		%			07/05/13 14:44	1

Client Sample Results

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

TestAmerica Job ID: 280-44021-1

Client Sample ID: OZZIE 11-26 TR NATIVE EAST

Lab Sample ID: 280-44021-8

Date Collected: 07/02/13 09:46

Matrix: Solid

Date Received: 07/03/13 09:45

Percent Solids: 82.0

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3		0.12		mg/Kg	☼	07/08/13 01:30	07/09/13 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		0.10		%			07/05/13 14:44	1

Client Sample Results

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

TestAmerica Job ID: 280-44021-1

Client Sample ID: OZZIE 11-26 TR NATIVE SOUTH

Lab Sample ID: 280-44021-9

Date Collected: 07/02/13 09:52

Matrix: Solid

Date Received: 07/03/13 09:45

Percent Solids: 77.0

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.67		0.12		mg/Kg	☼	07/08/13 01:30	07/09/13 17:19	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		0.10		%			07/05/13 14:44	1

Client Sample Results

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

TestAmerica Job ID: 280-44021-1

Client Sample ID: OZZIE 11-26 TR NATIVE WEST

Lab Sample ID: 280-44021-10

Date Collected: 07/02/13 09:56

Matrix: Solid

Date Received: 07/03/13 09:45

Percent Solids: 69.5

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.14		mg/Kg	☼	07/08/13 01:30	07/09/13 17:22	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	30		0.10		%	—		07/05/13 14:44	1

Client Sample Results

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

TestAmerica Job ID: 280-44021-1

Client Sample ID: OZZIE 11-26 TR TOP OF PIT

Lab Sample ID: 280-44021-11

Date Collected: 07/02/13 10:00

Matrix: Solid

Date Received: 07/03/13 09:45

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	2.2		1.2		No Unit		07/05/13 12:40	07/08/13 14:50	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5		0.11		mg/Kg	☼	07/08/13 01:30	07/09/13 17:26	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.9		0.10		%			07/05/13 14:44	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.21		0.100		SU			07/09/13 19:09	1
Specific Conductance	210		20		umhos/cm			07/06/13 10:30	1

Client Sample Results

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

TestAmerica Job ID: 280-44021-1

Client Sample ID: OZZIE 11-26 TR BOTTOM OF PIT

Lab Sample ID: 280-44021-12

Date Collected: 07/02/13 10:07

Matrix: Solid

Date Received: 07/03/13 09:45

Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.8		ug/Kg	☼	07/05/13 06:00	07/05/13 12:02	1
Ethylbenzene	ND		4.8		ug/Kg	☼	07/05/13 06:00	07/05/13 12:02	1
Toluene	ND		4.8		ug/Kg	☼	07/05/13 06:00	07/05/13 12:02	1
Xylenes, Total	ND		4.8		ug/Kg	☼	07/05/13 06:00	07/05/13 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		58 - 140	07/05/13 06:00	07/05/13 12:02	1
Toluene-d8 (Surr)	96		80 - 126	07/05/13 06:00	07/05/13 12:02	1
4-Bromofluorobenzene (Surr)	117		76 - 127	07/05/13 06:00	07/05/13 12:02	1
Dibromofluoromethane (Surr)	85		75 - 121	07/05/13 06:00	07/05/13 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	1.7		1.3		mg/Kg	☼	07/09/13 10:07	07/09/13 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	101		77 - 123	07/09/13 10:07	07/09/13 14:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	100		4.5		mg/Kg	☼	07/07/13 15:50	07/09/13 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	90		49 - 115	07/07/13 15:50	07/09/13 17:28	1

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		07/05/13 12:40	07/08/13 14:52	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	270		1.1		mg/Kg	☼	07/08/13 13:29	07/09/13 22:36	1
Boron	ND		11		mg/Kg	☼	07/08/13 13:29	07/09/13 22:36	1
Cadmium	0.75		0.54		mg/Kg	☼	07/08/13 13:29	07/09/13 22:36	1
Calcium	7500		54		mg/Kg	☼	07/08/13 13:29	07/09/13 22:36	1
Magnesium	3800		22		mg/Kg	☼	07/08/13 13:29	07/09/13 22:36	1
Molybdenum	ND		2.2		mg/Kg	☼	07/08/13 13:29	07/09/13 22:36	1
Silver	ND		1.1		mg/Kg	☼	07/08/13 13:29	07/09/13 22:36	1
Sodium	950		540		mg/Kg	☼	07/08/13 13:29	07/09/13 22:36	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.099		mg/Kg	☼	07/08/13 01:30	07/09/13 17:29	1
Chromium	21		0.20		mg/Kg	☼	07/08/13 01:30	07/09/13 17:29	1
Copper	36		0.25		mg/Kg	☼	07/08/13 01:30	07/09/13 17:29	1
Lead	14		0.099		mg/Kg	☼	07/08/13 01:30	07/09/13 17:29	1
Nickel	17		0.15		mg/Kg	☼	07/08/13 01:30	07/09/13 17:29	1
Selenium	0.53		0.20		mg/Kg	☼	07/08/13 01:30	07/09/13 17:29	1
Zinc	99		0.99		mg/Kg	☼	07/08/13 01:30	07/09/13 17:29	1

TestAmerica Denver

Client Sample Results

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

TestAmerica Job ID: 280-44021-1

Client Sample ID: OZZIE 11-26 TR BOTTOM OF PIT

Lab Sample ID: 280-44021-12

Date Collected: 07/02/13 10:07

Matrix: Solid

Date Received: 07/03/13 09:45

Percent Solids: 88.7

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24		20		ug/Kg	☼	07/05/13 11:30	07/05/13 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		0.10		%	—		07/05/13 14:44	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	10.6		0.100		SU	—		07/09/13 19:09	1
Specific Conductance	2500		20		umhos/cm	—		07/06/13 10:30	1