

received 05/06/2014
 Project 8399
 Remediation 200403982
 API 071-09086

Client Sample Results

Resources USA, Inc.

TestAmerica Job ID: 280-54481-1

Client Sample ID: MISSISSIPPI GIRL 31-18 NATIVE NORTH

Lab Sample ID: 280-54481-1

Date Collected: 04/18/14 14:10

Matrix: Solid

Date Received: 04/19/14 10:00

Percent Solids: 87.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		0.11		mg/Kg	☼	04/21/14 13:41	04/22/14 17:37	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		0.10		%			04/23/14 20:21	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Client Sample Results

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

TestAmerica Job ID: 280-54481-1

Client Sample ID: MISSISSIPPI GIRL 31-18 TOP OF PIT

Lab Sample ID: 280-54481-2

Date Collected: 04/18/14 14:28

Matrix: Solid

Date Received: 04/19/14 10:00

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	ND		1.2		No Unit		04/21/14 20:00	04/30/14 10:46	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		0.11		mg/Kg	☼	04/21/14 13:41	04/22/14 17:41	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.10		%			04/23/14 20:21	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.24		0.100		SU			04/23/14 21:26	1
Specific Conductance	200		20		umhos/cm			04/22/14 21:54	1



Client Sample Results

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

TestAmerica Job ID: 280-54481-1

Client Sample ID: MISSISSIPPI GIRL 31-18 BOTTOM OF PIT

Lab Sample ID: 280-54481-3

Date Collected: 04/18/14 14:35

Matrix: Solid

Date Received: 04/19/14 10:00

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.3		ug/Kg	☼	04/21/14 16:00	04/22/14 02:05	1
Ethylbenzene	ND		6.3		ug/Kg	☼	04/21/14 16:00	04/22/14 02:05	1
Toluene	ND		6.3		ug/Kg	☼	04/21/14 16:00	04/22/14 02:05	1
Xylenes, Total	ND		6.3		ug/Kg	☼	04/21/14 16:00	04/22/14 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		58 - 140				04/21/14 16:00	04/22/14 02:05	1
Toluene-d8 (Surr)	108		80 - 126				04/21/14 16:00	04/22/14 02:05	1
4-Bromofluorobenzene (Surr)	104		76 - 127				04/21/14 16:00	04/22/14 02:05	1
Dibromofluoromethane (Surr)	95		75 - 121				04/21/14 16:00	04/22/14 02:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) -C6-C10	ND		1.4		mg/Kg	☼	04/21/14 13:24	04/22/14 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	85		77 - 123				04/21/14 13:24	04/22/14 05:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	12		4.7		mg/Kg	☼	04/24/14 18:45	04/28/14 20:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	73		49 - 115				04/24/14 18:45	04/28/14 20:47	1

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	4.3		1.2		No Unit		04/21/14 20:00	04/30/14 10:46	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	320		1.2		mg/Kg	☼	04/22/14 12:30	04/24/14 05:04	1
Boron	ND		12		mg/Kg	☼	04/22/14 12:30	04/24/14 05:04	1
Cadmium	ND		0.58		mg/Kg	☼	04/22/14 12:30	04/24/14 05:04	1
Calcium	5400		58		mg/Kg	☼	04/22/14 12:30	04/24/14 05:04	1
Magnesium	3800		23		mg/Kg	☼	04/22/14 12:30	04/25/14 04:06	1
Molybdenum	ND	^	2.3		mg/Kg	☼	04/22/14 12:30	04/24/14 05:04	1
Silver	ND		1.2		mg/Kg	☼	04/22/14 12:30	04/24/14 05:04	1
Sodium	1500		580		mg/Kg	☼	04/22/14 12:30	04/24/14 05:04	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.11		mg/Kg	☼	04/21/14 13:41	04/22/14 17:46	1
Chromium	21		0.23		mg/Kg	☼	04/21/14 13:41	04/22/14 17:46	1
Copper	24		0.29		mg/Kg	☼	04/21/14 13:41	04/22/14 17:46	1
Lead	11		0.11		mg/Kg	☼	04/21/14 13:41	04/22/14 17:46	1
Nickel	19		0.17		mg/Kg	☼	04/21/14 13:41	04/22/14 17:46	1
Selenium	0.34		0.23		mg/Kg	☼	04/21/14 13:41	04/22/14 17:46	1
Zinc	65		1.1		mg/Kg	☼	04/21/14 13:41	04/22/14 17:46	1

TestAmerica Denver

Client Sample Results

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

TestAmerica Job ID: 280-54481-1

Client Sample ID: MISSISSIPPI GIRL 31-18 BOTTOM OF PIT

Lab Sample ID: 280-54481-3

Date Collected: 04/18/14 14:35

Matrix: Solid

Date Received: 04/19/14 10:00

Percent Solids: 83.3

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	33		21		ug/Kg	☼	04/30/14 11:35	04/30/14 16:03	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		0.10		%			04/22/14 22:14	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	9.59		0.100		SU			04/23/14 21:26	1
Specific Conductance	640		19		umhos/cm			04/22/14 21:54	1



Client Sample Results

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

TestAmerica Job ID: 280-54481-1

Client Sample ID: MISSISSIPPI GIRL 31-18 NATIVE EAST

Lab Sample ID: 280-54481-4

Date Collected: 04/18/14 14:13

Matrix: Solid

Date Received: 04/19/14 10:00

Percent Solids: 68.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7		0.13		mg/Kg	☼	04/21/14 13:41	04/22/14 17:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	31		0.10		%			04/23/14 20:21	1



Client Sample Results

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

TestAmerica Job ID: 280-54481-1

Client Sample ID: MISSISSIPPI GIRL 31-18 NATIVE SOUTH

Lab Sample ID: 280-54481-5

Date Collected: 04/18/14 14:17

Matrix: Solid

Date Received: 04/19/14 10:00

Percent Solids: 84.9

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		0.11		mg/Kg	☼	04/21/14 13:41	04/22/14 17:55	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.10		%			04/23/14 20:21	1



Client Sample Results

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

TestAmerica Job ID: 280-54481-1

Client Sample ID: MISSISSIPPI GIRL 31-18 NATIVE WEST

Lab Sample ID: 280-54481-6

Date Collected: 04/18/14 14:20

Matrix: Solid

Date Received: 04/19/14 10:00

Percent Solids: 74.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		0.13		mg/Kg	☆	04/21/14 13:41	04/22/14 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	25		0.10		%			04/23/14 20:21	1

