

received 06/30/2014
Project 8501
Remediation 200408240

Client Sample Results

urces USA, Inc.

TestAmerica Job ID: 280-56774-1

Project/Site: Soil Test Suite

Client Sample ID: BAMBINO 34-36 NATIVE NORTH
Date Collected: 06/16/14 11:04
Date Received: 06/18/14 09:50
Lab Sample ID: 280-56774-1
Matrix: Solid
Percent Solids: 85.1

Method: 6020 - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.0		0.11		mg/Kg	☼	06/20/14 10:17	06/25/14 23:00	1

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.10		%			06/20/14 17:20	1

Client Sample Results

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

TestAmerica Job ID: 280-56774-1

Client Sample ID: BAMBINO 34-36 NATIVE EAST

Lab Sample ID: 280-56774-2

Date Collected: 06/16/14 11:08

Matrix: Solid

Date Received: 06/18/14 09:50

Percent Solids: 94.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7		0.10		mg/Kg	☆	06/20/14 10:17	06/25/14 23:05	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.3		0.10		%			06/20/14 17:20	1

Client Sample Results

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

TestAmerica Job ID: 280-56774-1

Client Sample ID: BAMBINO 34-36 NATIVE SOUTH

Lab Sample ID: 280-56774-3

Date Collected: 06/16/14 11:10

Matrix: Solid

Date Received: 06/18/14 09:50

Percent Solids: 91.1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.2		0.11		mg/Kg	☆	06/20/14 10:17	06/25/14 23:10	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.9		0.10		%			06/20/14 16:40	1

Client Sample Results

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

TestAmerica Job ID: 280-56774-1

Client Sample ID: BAMBINO 34-36 NATIVE WEST

Lab Sample ID: 280-56774-4

Date Collected: 06/16/14 11:15

Matrix: Solid

Date Received: 06/18/14 09:50

Percent Solids: 96.6

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.8		0.10		mg/Kg	☼	06/20/14 10:17	06/25/14 23:15	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.4		0.10		%	—		06/20/14 16:40	1

Client Sample Results

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

TestAmerica Job ID: 280-56774-1

Client Sample ID: BAMBINO 34-36 TOP OF PIT

Lab Sample ID: 280-56774-5

Date Collected: 06/16/14 11:25

Matrix: Solid

Date Received: 06/18/14 09:50

Percent Solids: 94.9

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.5		0.10		mg/Kg	☆	06/20/14 10:17	06/25/14 23:20	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.1		0.10		%			06/20/14 16:40	1
pH	7.59		0.100		SU			06/23/14 13:17	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	470		10		umhos/cm			06/23/14 09:29	1

Client Sample Results

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

TestAmerica Job ID: 280-56774-1

Client Sample ID: BAMBINO 34-36 BOTTOM OF PIT

Lab Sample ID: 280-56774-6

Date Collected: 06/16/14 11:30

Matrix: Solid

Date Received: 06/18/14 09:50

Percent Solids: 87.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.7		ug/Kg	☼	06/20/14 07:05	06/20/14 10:42	1
Toluene	ND		5.7		ug/Kg	☼	06/20/14 07:05	06/20/14 10:42	1
Ethylbenzene	ND		5.7		ug/Kg	☼	06/20/14 07:05	06/20/14 10:42	1
Xylenes, Total	ND		17		ug/Kg	☼	06/20/14 07:05	06/20/14 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	68		52 - 124	06/20/14 07:05	06/20/14 10:42	1
Toluene-d8 (Surr)	95		72 - 127	06/20/14 07:05	06/20/14 10:42	1
4-Bromofluorobenzene (Surr)	93		63 - 120	06/20/14 07:05	06/20/14 10:42	1
Dibromofluoromethane (Surr)	84		68 - 121	06/20/14 07:05	06/20/14 10:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		1.4		mg/Kg	☼	06/23/14 07:14	06/23/14 10:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	86		46 - 156	06/23/14 07:14	06/23/14 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		19		mg/Kg	☼	06/20/14 09:01	06/23/14 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		48 - 125	06/20/14 09:01	06/23/14 16:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	360		22		mg/Kg	☼	06/24/14 11:22	06/25/14 08:52	1
Boron	ND		22		mg/Kg	☼	06/24/14 11:22	06/25/14 08:52	1
Cadmium	ND		0.56		mg/Kg	☼	06/24/14 11:22	06/25/14 08:52	1
Calcium	12000		560		mg/Kg	☼	06/24/14 11:22	06/25/14 08:52	1
Magnesium	3500		560		mg/Kg	☼	06/24/14 11:22	06/25/14 08:52	1
Molybdenum	ND		4.5		mg/Kg	☼	06/24/14 11:22	06/25/14 08:52	1
Silver	ND		0.56		mg/Kg	☼	06/24/14 11:22	06/25/14 08:52	1
Sodium	860		560		mg/Kg	☼	06/24/14 11:22	06/25/14 08:52	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.4		0.11		mg/Kg	☼	06/20/14 10:17	06/25/14 23:25	1
Chromium	10		0.23		mg/Kg	☼	06/20/14 10:17	06/25/14 23:25	1
Copper	22		0.28		mg/Kg	☼	06/20/14 10:17	06/25/14 23:25	1
Lead	12		0.11		mg/Kg	☼	06/20/14 10:17	06/25/14 23:25	1
Nickel	13		0.17		mg/Kg	☼	06/20/14 10:17	06/25/14 23:25	1
Selenium	0.40		0.23		mg/Kg	☼	06/20/14 10:17	06/25/14 23:25	1
Zinc	51		1.1		mg/Kg	☼	06/20/14 10:17	06/25/14 23:25	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.033		mg/Kg	☼	06/23/14 09:59	06/23/14 16:38	1

TestAmerica Denver

Client Sample Results

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

TestAmerica Job ID: 280-56774-1

Client Sample ID: BAMBINO 34-36 BOTTOM OF PIT

Lab Sample ID: 280-56774-6

Date Collected: 06/16/14 11:30

Matrix: Solid

Date Received: 06/18/14 09:50

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		0.10		%			06/20/14 16:40	1
pH	7.97		0.100		SU			06/23/14 13:19	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	1200		10		umhos/cm			06/23/14 09:29	1