

Client Sample Received 10/24/2012

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

Project 7375
Remediation 200366916

Job ID: 280-34143-1

Client Sample ID: UPTOWN 22-27 NATIVE NORTH

Lab Sample ID: 280-34143-13

Date Collected: 10/03/12 13:26

Matrix: Solid

Date Received: 10/04/12 09:00

Percent Solids: 84.6

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		0.12		mg/Kg	☼	10/08/12 14:00	10/09/12 20:03	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.10		%			10/08/12 10:32	1

Client Sample Results

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

TestAmerica Job ID: 280-34143-1

Client Sample ID: UPTOWN 22-27 NATIVE WEST

Lab Sample ID: 280-34143-14

Date Collected: 10/03/12 13:29

Matrix: Solid

Date Received: 10/04/12 09:00

Percent Solids: 84.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.8		0.11		mg/Kg	☼	10/08/12 14:00	10/09/12 20:07	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.10		%	—		10/08/12 10:32	1

Client Sample Results

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

TestAmerica Job ID: 280-34143-1

Client Sample ID: UPTOWN 22-27 NATIVE SOUTH

Lab Sample ID: 280-34143-15

Date Collected: 10/03/12 13:34

Matrix: Solid

Date Received: 10/04/12 09:00

Percent Solids: 92.4

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.098		mg/Kg	☆	10/08/12 14:00	10/09/12 20:11	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.6		0.10		%			10/08/12 10:32	1

Client Sample Results

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

TestAmerica Job ID: 280-34143-1

Client Sample ID: UPTOWN 22-27 TOP OF PIT

Lab Sample ID: 280-34143-16

Date Collected: 10/03/12 13:45

Matrix: Solid

Date Received: 10/04/12 09:00

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		10/05/12 15:39	10/15/12 15:53	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5		0.097		mg/Kg	☼	10/08/12 14:00	10/09/12 20:16	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.6		0.10		%			10/08/12 10:34	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.97		0.100		SU			10/06/12 12:46	1
Specific Conductance	7.7		2.0		umhos/cm			10/09/12 13:30	1

Client Sample Results

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

TestAmerica Job ID: 280-34143-1

Client Sample ID: UPTOWN 22-27 BOTTOM OF PIT

Lab Sample ID: 280-34143-17

Date Collected: 10/03/12 13:50

Matrix: Solid

Date Received: 10/04/12 09:00

Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.4		ug/Kg	☼	10/11/12 16:00	10/11/12 22:05	1
Ethylbenzene	ND		5.4		ug/Kg	☼	10/11/12 16:00	10/11/12 22:05	1
Toluene	ND		5.4		ug/Kg	☼	10/11/12 16:00	10/11/12 22:05	1
Xylenes, Total	ND		5.4		ug/Kg	☼	10/11/12 16:00	10/11/12 22:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		58 - 140	10/11/12 16:00	10/11/12 22:05	1
Toluene-d8 (Surr)	103		80 - 126	10/11/12 16:00	10/11/12 22:05	1
4-Bromofluorobenzene (Surr)	125		76 - 127	10/11/12 16:00	10/11/12 22:05	1
Dibromofluoromethane (Surr)	101		75 - 121	10/11/12 16:00	10/11/12 22:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	ND		1.3		mg/Kg	☼	10/05/12 14:34	10/05/12 20:24	1
-C6-C10									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		77 - 123	10/05/12 14:34	10/05/12 20:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	190		21		mg/Kg	☼	10/08/12 10:06	10/12/12 23:38	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	0	D	49 - 115	10/08/12 10:06	10/12/12 23:38	5

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	7.6		1.2		No Unit		10/05/12 15:39	10/15/12 15:56	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	440		1.0		mg/Kg	☼	10/08/12 14:00	10/10/12 09:19	1
Boron	ND		10		mg/Kg	☼	10/08/12 14:00	10/10/12 09:19	1
Cadmium	ND		0.51		mg/Kg	☼	10/08/12 14:00	10/10/12 09:19	1
Calcium	40000		51		mg/Kg	☼	10/08/12 14:00	10/10/12 09:19	1
Magnesium	5100		20		mg/Kg	☼	10/08/12 14:00	10/10/12 09:19	1
Molybdenum	ND		2.0		mg/Kg	☼	10/08/12 14:00	10/10/12 09:19	1
Silver	ND		1.0		mg/Kg	☼	10/08/12 14:00	10/10/12 09:19	1
Sodium	2300		510		mg/Kg	☼	10/08/12 14:00	10/10/12 09:19	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5		0.10		mg/Kg	☼	10/08/12 14:00	10/09/12 20:20	1
Chromium	27		0.20		mg/Kg	☼	10/08/12 14:00	10/09/12 20:20	1
Copper	32		0.25		mg/Kg	☼	10/08/12 14:00	10/09/12 20:20	1
Lead	19		0.10		mg/Kg	☼	10/08/12 14:00	10/09/12 20:20	1
Nickel	22		0.15		mg/Kg	☼	10/08/12 14:00	10/10/12 13:46	1
Selenium	0.25		0.20		mg/Kg	☼	10/08/12 14:00	10/09/12 20:20	1
Zinc	100		1.0		mg/Kg	☼	10/08/12 14:00	10/09/12 20:20	1

Client Sample Results

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

TestAmerica Job ID: 280-34143-1

Client Sample ID: UPTOWN 22-27 BOTTOM OF PIT

Lab Sample ID: 280-34143-17

Date Collected: 10/03/12 13:50

Matrix: Solid

Date Received: 10/04/12 09:00

Percent Solids: 91.7

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	75		19		ug/Kg	☼	10/08/12 13:10	10/08/12 21:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		26		mg/Kg	☼	10/12/12 12:00	10/14/12 13:32	11.9

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	27		24		mg/Kg	—		10/19/12 13:01	11.9

Percent Moisture	8.3		0.10		%			10/08/12 10:34	1
------------------	-----	--	------	--	---	--	--	----------------	---

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	9.39		0.100		SU	—		10/06/12 12:48	1
Specific Conductance	130		2.0		umhos/cm			10/09/12 13:30	1

Client Sample Results

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

TestAmerica Job ID: 280-34143-1

Client Sample ID: UPTOWN 22-27 NATIVE EAST

Lab Sample ID: 280-34143-18

Date Collected: 10/03/12 13:39

Matrix: Solid

Date Received: 10/04/12 09:00

Percent Solids: 95.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3		0.099		mg/Kg	☼	10/08/12 14:00	10/09/12 20:24	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.3		0.10		%			10/08/12 10:34	1