

received 05/21/2014
Project 8457
Remediation 200406278

Client Sample Results

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

TestAmerica Job ID: 280-54901-1

Client Sample ID: CABERNET 42-4 NATIVE NORTH
Date Collected: 04/29/14 13:15
Date Received: 04/30/14 09:55

Lab Sample ID: 280-54901-7
Matrix: Solid
Percent Solids: 88.0

Method: 6020 - Metals (ICP/MS)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Arsenic	3.2		0.11		mg/Kg	☼	05/01/14 08:00	05/01/14 14:56	1	

General Chemistry										
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Percent Moisture	12		0.10		%			05/06/14 15:32	1	

Client Sample Results

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

TestAmerica Job ID: 280-54901-1

Client Sample ID: CABERNET 42-4 NATIVE EAST

Lab Sample ID: 280-54901-8

Date Collected: 04/29/14 13:10

Matrix: Solid

Date Received: 04/30/14 09:55

Percent Solids: 86.2

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7		0.11		mg/Kg	☼	05/01/14 08:00	05/01/14 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		0.10		%			05/06/14 15:32	1

Client Sample Results

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

TestAmerica Job ID: 280-54901-1

Client Sample ID: CABERNET 42-4 NATIVE SOUTH

Lab Sample ID: 280-54901-9

Date Collected: 04/29/14 13:18

Matrix: Solid

Date Received: 04/30/14 09:55

Percent Solids: 90.4

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7		0.11		mg/Kg	☼	05/01/14 08:00	05/01/14 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.6		0.10		%	—		05/06/14 15:32	1

Client Sample Results

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

TestAmerica Job ID: 280-54901-1

Client Sample ID: CABERNET 42-4 NATIVE WEST

Lab Sample ID: 280-54901-10

Date Collected: 04/29/14 13:02

Matrix: Solid

Date Received: 04/30/14 09:55

Percent Solids: 87.0

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.2		0.10		mg/Kg	☼	05/01/14 08:00	05/01/14 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		0.10		%	—		05/06/14 15:32	1

Client Sample Results

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

TestAmerica Job ID: 280-54901-1

Client Sample ID: CABERNET 42-4 TOP OF PIT

Lab Sample ID: 280-54901-11

Date Collected: 04/29/14 13:20

Matrix: Solid

Date Received: 04/30/14 09:55

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	2.5		1.2		No Unit		05/01/14 10:36	05/08/14 00:43	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		0.094		mg/Kg	☼	05/01/14 08:00	05/01/14 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.1		0.10		%			05/06/14 15:32	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.87		0.100		SU			05/02/14 20:12	1
Specific Conductance	30		2.0		umhos/cm			05/06/14 15:55	1

Client Sample Results

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

TestAmerica Job ID: 280-54901-1

Client Sample ID: CABERNET 42-4 BOTTOM OF PIT

Lab Sample ID: 280-54901-12

Date Collected: 04/29/14 13:30

Matrix: Solid

Date Received: 04/30/14 09:55

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		7.2		ug/Kg	☼	05/06/14 16:00	05/07/14 01:31	1
Ethylbenzene	ND		7.2		ug/Kg	☼	05/06/14 16:00	05/07/14 01:31	1
Toluene	ND		7.2		ug/Kg	☼	05/06/14 16:00	05/07/14 01:31	1
Xylenes, Total	ND		7.2		ug/Kg	☼	05/06/14 16:00	05/07/14 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		58 - 140	05/06/14 16:00	05/07/14 01:31	1
Toluene-d8 (Surr)	118		80 - 126	05/06/14 16:00	05/07/14 01:31	1
4-Bromofluorobenzene (Surr)	119		76 - 127	05/06/14 16:00	05/07/14 01:31	1
Dibromofluoromethane (Surr)	94		75 - 121	05/06/14 16:00	05/07/14 01:31	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	☼	05/06/14 12:52	05/07/14 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	79		77 - 123	05/06/14 12:52	05/07/14 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	96		4.6		mg/Kg	☼	05/02/14 16:55	05/07/14 03:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		49 - 115	05/02/14 16:55	05/07/14 03:52	1

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	17		1.2		No Unit	—	05/01/14 10:36	05/08/14 00:45	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	380		1.0		mg/Kg	☼	05/01/14 08:00	05/02/14 00:19	1
Boron	ND		10		mg/Kg	☼	05/01/14 08:00	05/02/14 00:19	1
Cadmium	ND		0.52		mg/Kg	☼	05/01/14 08:00	05/02/14 00:19	1
Calcium	11000		52		mg/Kg	☼	05/01/14 08:00	05/02/14 00:19	1
Magnesium	2000		21		mg/Kg	☼	05/01/14 08:00	05/02/14 00:19	1
Molybdenum	ND		2.1		mg/Kg	☼	05/01/14 08:00	05/02/14 00:19	1
Silver	ND		1.0		mg/Kg	☼	05/01/14 08:00	05/02/14 00:19	1
Sodium	2600		520		mg/Kg	☼	05/01/14 08:00	05/02/14 00:19	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7		0.12		mg/Kg	☼	05/01/14 08:00	05/01/14 15:22	1
Chromium	5.3		0.23		mg/Kg	☼	05/01/14 08:00	05/01/14 15:22	1
Copper	17		0.29		mg/Kg	☼	05/01/14 08:00	05/01/14 15:22	1
Lead	12		0.12		mg/Kg	☼	05/01/14 08:00	05/01/14 15:22	1
Nickel	6.2		0.17		mg/Kg	☼	05/01/14 08:00	05/01/14 15:22	1
Selenium	0.40		0.23		mg/Kg	☼	05/01/14 08:00	05/01/14 15:22	1
Zinc	31		1.2		mg/Kg	☼	05/01/14 08:00	05/01/14 15:22	1

TestAmerica Denver

Client Sample Results

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

TestAmerica Job ID: 280-54901-1

Client Sample ID: CABERNET 42-4 BOTTOM OF PIT

Lab Sample ID: 280-54901-12

Date Collected: 04/29/14 13:30

Matrix: Solid

Date Received: 04/30/14 09:55

Percent Solids: 83.7

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		20		ug/Kg	☼	05/02/14 14:50	05/03/14 00:49	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		0.10		%	—		05/03/14 13:52	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	10.0		0.100		SU	—		05/02/14 20:12	1
Specific Conductance	140		2.0		umhos/cm	—		05/06/14 15:55	1