

Client Sample Results

received 05/13/2015
Project 9114
Document 200433779

Client: Pioneer Natural Resources USA, Inc.
Project/Site: SOIL SUITE

TestAmerica Job ID: 280-67847-1

Client Sample ID: BoBSY 34-11 TOP OF PIT

Lab Sample ID: 280-67847-1

Date Collected: 04/13/15 13:40

Matrix: Solid

Date Received: 04/15/15 09:55

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		04/16/15 15:49	04/22/15 11:01	10

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9		0.088		mg/Kg	☼	04/16/15 15:35	04/17/15 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.1		0.10		%			04/18/15 12:05	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.57		0.100		SU			04/25/15 15:16	1
Specific Conductance	48	B	2.0		umhos/cm			04/27/15 20:40	1

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: SOIL SUITE

TestAmerica Job ID: 280-67847-1

Client Sample ID: BoBSY 34-11 BOTTOM OF PIT

Lab Sample ID: 280-67847-2

Date Collected: 04/13/15 13:55

Matrix: Solid

Date Received: 04/15/15 09:55

Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.6		ug/Kg	☼	04/17/15 18:00	04/18/15 02:01	1
Ethylbenzene	ND		5.6		ug/Kg	☼	04/17/15 18:00	04/18/15 02:01	1
Toluene	ND		5.6		ug/Kg	☼	04/17/15 18:00	04/18/15 02:01	1
Xylenes, Total	ND		5.6		ug/Kg	☼	04/17/15 18:00	04/18/15 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		58 - 140	04/17/15 18:00	04/18/15 02:01	1
Toluene-d8 (Surr)	105		80 - 126	04/17/15 18:00	04/18/15 02:01	1
4-Bromofluorobenzene (Surr)	96		76 - 127	04/17/15 18:00	04/18/15 02:01	1
Dibromofluoromethane (Surr)	111		75 - 121	04/17/15 18:00	04/18/15 02:01	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		1.3		mg/Kg	☼	04/23/15 11:52	04/24/15 01:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	93		77 - 123	04/23/15 11:52	04/24/15 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170		4.3		mg/Kg	☼	04/24/15 15:50	04/27/15 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	87		49 - 115	04/24/15 15:50	04/27/15 15:58	1

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	18		1.2		No Unit	—	04/16/15 15:49	04/22/15 11:04	10

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	140		0.96		mg/Kg	☼	04/17/15 08:30	04/18/15 12:38	1
Boron	ND		9.6		mg/Kg	☼	04/17/15 08:30	04/18/15 12:38	1
Cadmium	ND		0.49		mg/Kg	☼	04/20/15 14:30	04/23/15 15:21	1
Calcium	3400		48		mg/Kg	☼	04/17/15 08:30	04/18/15 12:38	1
Magnesium	2600		20		mg/Kg	☼	04/20/15 14:30	04/22/15 15:12	1
Molybdenum	11		1.9		mg/Kg	☼	04/17/15 08:30	04/18/15 12:38	1
Silver	ND		0.96		mg/Kg	☼	04/17/15 08:30	04/18/15 12:38	1
Sodium	1600		480		mg/Kg	☼	04/17/15 08:30	04/18/15 12:38	1

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.11		mg/Kg	☼	04/16/15 15:35	04/17/15 17:22	1
Chromium	13		0.23		mg/Kg	☼	04/16/15 15:35	04/17/15 17:22	1
Copper	620		1.4		mg/Kg	☼	04/16/15 15:35	04/20/15 18:50	5
Lead	140		0.11		mg/Kg	☼	04/16/15 15:35	04/17/15 17:22	1
Nickel	13		0.17		mg/Kg	☼	04/16/15 15:35	04/17/15 17:22	1
Selenium	0.42		0.23		mg/Kg	☼	04/16/15 15:35	04/17/15 17:22	1
Zinc	73		1.1		mg/Kg	☼	04/16/15 15:35	04/17/15 17:22	1

TestAmerica Denver

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
Project/Site: SOIL SUITE

TestAmerica Job ID: 280-67847-1

Client Sample ID: BoBSY 34-11 BOTTOM OF PIT

Lab Sample ID: 280-67847-2

Date Collected: 04/13/15 13:55

Matrix: Solid

Date Received: 04/15/15 09:55

Percent Solids: 87.7

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		22		ug/Kg	☼	04/20/15 11:00	04/20/15 18:50	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		0.10		%	—		04/18/15 12:05	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	9.38		0.100		SU	—		04/25/15 15:16	1
Specific Conductance	400	B	2.0		umhos/cm			04/27/15 20:40	1

Client Sample Results

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

TestAmerica Job ID: 280-63841-1

Client Sample ID: BOBSY 34-11TR NATIVE NORTH

Lab Sample ID: 280-63841-1

Date Collected: 12/18/14 12:54

Matrix: Solid

Date Received: 12/20/14 10:40

Percent Solids: 90.4

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3		0.11		mg/Kg	☼	12/23/14 08:30	12/24/14 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.6		0.10		%	—		12/23/14 21:23	1

Client Sample Results

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

TestAmerica Job ID: 280-63841-1

Client Sample ID: BOBSY 34-11TR NATIVE EAST

Lab Sample ID: 280-63841-2

Date Collected: 12/18/14 13:00

Matrix: Solid

Date Received: 12/20/14 10:40

Percent Solids: 92.3

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7		0.093		mg/Kg	☆	12/23/14 08:30	12/24/14 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.7		0.10		%			12/23/14 21:23	1

Client Sample Results

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

TestAmerica Job ID: 280-63841-1

Client Sample ID: BOBSY 34-11TR NATIVE SOUTH

Lab Sample ID: 280-63841-3

Date Collected: 12/18/14 13:05

Matrix: Solid

Date Received: 12/20/14 10:40

Percent Solids: 94.0

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.1		0.097		mg/Kg	☆	12/23/14 08:30	12/24/14 17:28	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.0		0.10		%			12/23/14 21:23	1

Client Sample Results

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

TestAmerica Job ID: 280-63841-1

Client Sample ID: BOBSY 34-11TR NATIVE WEST

Lab Sample ID: 280-63841-4

Date Collected: 12/18/14 13:10

Matrix: Solid

Date Received: 12/20/14 10:40

Percent Solids: 95.6

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.093		mg/Kg	☆	12/23/14 08:30	12/24/14 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.4		0.10		%			12/23/14 21:23	1