

Client Sample Results

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

received 02/13/2013
Project 7545
Remediation 200374965
Document #: 2210951

280-37731-1

Client Sample ID: DEL AGUA 44-2WD TOP OF PIT

Date Collected: 01/09/13 10:57

280-37731-1

Matrix: Solid

Date Received: 01/10/13 09:45

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	3.2		1.2		No Unit		01/11/13 13:49	01/15/13 08:17	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.85		0.11		mg/Kg	☼	01/14/13 08:30	01/14/13 14:24	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.5		0.10		%			01/11/13 08:28	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	7.05		0.100		SU			01/11/13 19:16	1
Specific Conductance	16		2.0		umhos/cm			01/15/13 11:23	1

Client Sample Results

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

TestAmerica Job ID: 280-37731-1

Client Sample ID: DEL AGUA 44-2WD BOTTOM OF PIT

Lab Sample ID: 280-37731-2

Date Collected: 01/09/13 11:02

Matrix: Solid

Date Received: 01/10/13 09:45

Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.2		ug/Kg	☼	01/10/13 16:00	01/10/13 22:29	1
Ethylbenzene	ND		5.2		ug/Kg	☼	01/10/13 16:00	01/10/13 22:29	1
Toluene	ND		5.2		ug/Kg	☼	01/10/13 16:00	01/10/13 22:29	1
Xylenes, Total	ND		2.6		ug/Kg	☼	01/10/13 16:00	01/10/13 22:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		58 - 140				01/10/13 16:00	01/10/13 22:29	1
Toluene-d8 (Surr)	104		80 - 126				01/10/13 16:00	01/10/13 22:29	1
4-Bromofluorobenzene (Surr)	102		76 - 127				01/10/13 16:00	01/10/13 22:29	1
Dibromofluoromethane (Surr)	98		75 - 121				01/10/13 16:00	01/10/13 22:29	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	☼	01/11/13 11:11	01/14/13 19:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	87		77 - 123				01/11/13 11:11	01/14/13 19:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	18		4.1		mg/Kg	☼	01/11/13 17:00	01/16/13 05:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	89		49 - 115				01/11/13 17:00	01/16/13 05:43	1

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	13		1.2		No Unit	—	01/11/13 13:49	01/15/13 08:17	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	110		1.0		mg/Kg	☼	01/14/13 08:30	01/14/13 21:21	1
Boron	ND		10		mg/Kg	☼	01/14/13 08:30	01/14/13 21:21	1
Cadmium	ND		0.52		mg/Kg	☼	01/14/13 08:30	01/14/13 21:21	1
Calcium	9200		52		mg/Kg	☼	01/14/13 08:30	01/14/13 21:21	1
Magnesium	2700		21		mg/Kg	☼	01/14/13 08:30	01/14/13 21:21	1
Molybdenum	ND		2.1		mg/Kg	☼	01/14/13 08:30	01/14/13 21:21	1
Silver	ND		1.0		mg/Kg	☼	01/14/13 08:30	01/14/13 21:21	1
Sodium	2000		520		mg/Kg	☼	01/14/13 08:30	01/14/13 21:21	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5		0.093		mg/Kg	☼	01/14/13 08:30	01/14/13 14:52	1
Chromium	9.2	B	0.19		mg/Kg	☼	01/14/13 08:30	01/14/13 14:52	1
Copper	12		0.23		mg/Kg	☼	01/14/13 08:30	01/14/13 14:52	1
Lead	8.4		0.093		mg/Kg	☼	01/14/13 08:30	01/14/13 14:52	1
Nickel	9.4		0.14		mg/Kg	☼	01/14/13 08:30	01/14/13 14:52	1
Selenium	0.30		0.19		mg/Kg	☼	01/14/13 08:30	01/14/13 14:52	1
Zinc	30		0.93		mg/Kg	☼	01/14/13 08:30	01/14/13 14:52	1

TestAmerica Denver

Client Sample Results

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

TestAmerica Job ID: 280-37731-1

Client Sample ID: DEL AGUA 44-2WD BOTTOM OF PIT

Lab Sample ID: 280-37731-2

Date Collected: 01/09/13 11:02

Matrix: Solid

Date Received: 01/10/13 09:45

Percent Solids: 93.7

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		18		ug/Kg	☼	01/14/13 12:00	01/14/13 14:35	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.3		0.10		%	—		01/11/13 08:28	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	10.2		0.100		SU	—		01/11/13 19:16	1
Specific Conductance	220		2.0		umhos/cm	—		01/15/13 11:23	1

Client Sample Results

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

TestAmerica Job ID: 280-37731-1

Client Sample ID: DEL AGUA 44-2WD NATIVE WEST

Lab Sample ID: 280-37731-3

Date Collected: 01/09/13 11:09

Matrix: Solid

Date Received: 01/10/13 09:45

Percent Solids: 72.6

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.57		0.14		mg/Kg	☼	01/14/13 08:30	01/14/13 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	27		0.10		%	—		01/11/13 08:28	1

Client Sample Results

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

TestAmerica Job ID: 280-37731-1

Client Sample ID: DEL AGUA 44-2WD NATIVE NORTH

Lab Sample ID: 280-37731-4

Date Collected: 01/09/13 11:11

Matrix: Solid

Date Received: 01/10/13 09:45

Percent Solids: 82.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7		0.12		mg/Kg	☼	01/14/13 08:30	01/14/13 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		0.10		%			01/11/13 08:29	1

Client Sample Results

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

TestAmerica Job ID: 280-37731-1

Client Sample ID: DEL AGUA 44-2WD NATIVE EAST

Lab Sample ID: 280-37731-5

Date Collected: 01/09/13 11:14

Matrix: Solid

Date Received: 01/10/13 09:45

Percent Solids: 87.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.11		mg/Kg	☼	01/14/13 08:30	01/14/13 15:03	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		0.10		%			01/11/13 08:29	1

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
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TestAmerica Job ID: 280-37731-1

Client Sample ID: DEL AGUA 44-2WD NATIVE SOUTH

Lab Sample ID: 280-37731-6

Date Collected: 01/09/13 11:16

Matrix: Solid

Date Received: 01/10/13 09:45

Percent Solids: 84.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.6		0.11		mg/Kg	☼	01/14/13 08:30	01/14/13 15:07	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		0.10		%	—		01/11/13 08:29	1