

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE TOP OF PIT

Lab Sample ID: 280-80918-1

Date Collected: 03/17/16 10:24

Matrix: Solid

Date Received: 03/18/16 10:05

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	1.6		1.2		No Unit		03/19/16 12:34	03/31/16 05:10	10
Sodium	2.2		1.0		mg/Kg		03/19/16 12:34	03/31/16 05:10	1
Calcium	0.98		0.20		mg/Kg		03/19/16 12:34	03/31/16 05:10	1
Magnesium	0.35		0.20		mg/Kg		03/19/16 12:34	03/31/16 05:10	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.8		0.1		%			03/20/16 09:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.15		0.100		SU		03/23/16 11:03	04/05/16 12:22	1
Specific Conductance (25C)	200		10		umhos/cm		03/23/16 11:03	03/25/16 12:51	1

Client Sample Results

Client: Pioneer Natural Resources USA, Inc.
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TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE TOP OF PIT

Lab Sample ID: 280-80918-1

Date Collected: 03/17/16 10:24

Matrix: Solid

Date Received: 03/18/16 10:05

Percent Solids: 93.2

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.1		0.075		mg/Kg	☼	03/28/16 14:40	03/30/16 04:45	1

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE BOTTOM OF PIT

Lab Sample ID: 280-80918-2

Date Collected: 03/17/16 10:28

Matrix: Solid

Date Received: 03/18/16 10:05

Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0069		mg/Kg	☼	03/18/16 17:00	03/18/16 20:57	1
Ethylbenzene	ND		0.0069		mg/Kg	☼	03/18/16 17:00	03/18/16 20:57	1
Toluene	ND		0.0069		mg/Kg	☼	03/18/16 17:00	03/18/16 20:57	1
Xylenes, Total	ND		0.0069		mg/Kg	☼	03/18/16 17:00	03/18/16 20:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		58 - 140	03/18/16 17:00	03/18/16 20:57	1
Toluene-d8 (Surr)	110		80 - 126	03/18/16 17:00	03/18/16 20:57	1
4-Bromofluorobenzene (Surr)	110		76 - 127	03/18/16 17:00	03/18/16 20:57	1
Dibromofluoromethane (Surr)	105		75 - 121	03/18/16 17:00	03/18/16 20:57	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		1.5		mg/Kg	☼	03/29/16 11:02	03/30/16 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	85		77 - 123	03/29/16 11:02	03/30/16 00:16	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		4.9		mg/Kg	☼	03/22/16 21:04	03/29/16 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	85		49 - 115	03/22/16 21:04	03/29/16 00:28	1

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	3.9		1.2		No Unit		03/19/16 12:34	03/31/16 05:13	10

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	210		0.95		mg/Kg	☼	03/28/16 14:40	03/30/16 23:57	1
Boron	ND	F1	9.5		mg/Kg	☼	03/28/16 14:40	03/30/16 23:57	1
Cadmium	ND		0.47		mg/Kg	☼	03/28/16 14:40	03/30/16 23:57	1
Calcium	4200		47		mg/Kg	☼	03/28/16 14:40	03/30/16 23:57	1
Magnesium	4500		19		mg/Kg	☼	03/28/16 14:40	03/30/16 23:57	1
Molybdenum	ND		1.9		mg/Kg	☼	03/28/16 14:40	03/30/16 23:57	1
Silver	ND		0.95		mg/Kg	☼	03/28/16 14:40	03/30/16 23:57	1
Sodium	1700		470		mg/Kg	☼	03/28/16 14:40	03/30/16 23:57	1

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2	F1	0.11		mg/Kg	☼	03/28/16 14:40	03/30/16 04:49	1
Chromium	33	F1	0.23		mg/Kg	☼	03/28/16 14:40	03/30/16 04:49	1
Copper	33		0.29		mg/Kg	☼	03/28/16 14:40	03/30/16 04:49	1
Lead	14	F1	0.11		mg/Kg	☼	03/28/16 14:40	03/30/16 04:49	1
Nickel	20	F1	0.17		mg/Kg	☼	03/28/16 14:40	03/30/16 04:49	1
Selenium	0.28		0.23		mg/Kg	☼	03/28/16 14:40	03/30/16 04:49	1
Zinc	95	F1	1.1		mg/Kg	☼	03/28/16 14:40	03/30/16 04:49	1

TestAmerica Denver

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE BOTTOM OF PIT

Lab Sample ID: 280-80918-2

Date Collected: 03/17/16 10:28

Matrix: Solid

Date Received: 03/18/16 10:05

Percent Solids: 78.5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.050		0.023		mg/Kg	☼	03/21/16 10:30	03/21/16 21:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.50		mg/Kg	☼	04/04/16 15:00	04/05/16 16:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (III)	33		2.0		mg/Kg	—		04/06/16 10:59	1
Percent Moisture	21.5		0.1		%			03/20/16 09:18	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.21		0.100		SU	—	03/23/16 11:03	04/05/16 12:22	1
Specific Conductance (25C)	570		10		umhos/cm		03/23/16 11:03	03/25/16 12:51	1

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE NATIVE SOUTH

Lab Sample ID: 280-80918-3

Date Collected: 03/17/16 10:33

Matrix: Solid

Date Received: 03/18/16 10:05

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15.4		0.1		%			03/20/16 09:18	1

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE NATIVE SOUTH

Lab Sample ID: 280-80918-3

Date Collected: 03/17/16 10:33

Matrix: Solid

Date Received: 03/18/16 10:05

Percent Solids: 84.6

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		0.098		mg/Kg	☼	03/28/16 14:40	03/30/16 05:06	1

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE NATIVE WEST

Lab Sample ID: 280-80918-4

Date Collected: 03/17/16 10:35

Matrix: Solid

Date Received: 03/18/16 10:05

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.5		0.1		%			03/20/16 09:18	1

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE NATIVE WEST

Lab Sample ID: 280-80918-4

Date Collected: 03/17/16 10:35

Matrix: Solid

Date Received: 03/18/16 10:05

Percent Solids: 96.5

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.91		0.091		mg/Kg	☼	03/28/16 14:40	03/30/16 05:21	1

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE NATIVE NORTH

Lab Sample ID: 280-80918-5

Date Collected: 03/17/16 10:37

Matrix: Solid

Date Received: 03/18/16 10:05

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.6		0.1		%			03/20/16 09:18	1

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE NATIVE NORTH

Lab Sample ID: 280-80918-5

Date Collected: 03/17/16 10:37

Matrix: Solid

Date Received: 03/18/16 10:05

Percent Solids: 94.4

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		0.076		mg/Kg	☼	03/28/16 14:40	03/30/16 05:24	1

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE NATIVE EAST

Lab Sample ID: 280-80918-6

Date Collected: 03/17/16 10:30

Matrix: Solid

Date Received: 03/18/16 10:05

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19.2		0.1		%			03/20/16 09:18	1

Client Sample Results

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

TestAmerica Job ID: 280-80918-1

Client Sample ID: JULIEANNA 42-22 OFFSITE NATIVE EAST

Lab Sample ID: 280-80918-6

Date Collected: 03/17/16 10:30

Matrix: Solid

Date Received: 03/18/16 10:05

Percent Solids: 80.8

Method: 6020 - Total Metals by ICP-MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		0.11		mg/Kg	☼	03/28/16 14:40	03/30/16 05:28	1