

Client Sample Results

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

received 07/22/2014
Project 8540
Doc #1733696

TestAmerica Job ID: 280-57266-1

Client Sample ID: Kauai 23-26 Top of Pit

Date Collected: 06/29/14 12:20

Date Received: 07/01/14 18:09

Sample ID: 280-57266-1

Matrix: Solid

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	2.3		1.2		No Unit		07/02/14 15:41	07/11/14 16:56	10

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		0.10		mg/Kg	☼	07/07/14 15:10	07/08/14 00:06	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.3		0.10		%			07/08/14 12:38	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.44		0.100		SU			07/07/14 19:00	1
Specific Conductance	1100		20		umhos/cm			07/07/14 18:59	1

Client Sample Results

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

TestAmerica Job ID: 280-57266-1

Client Sample ID: Kauai 23-26 Bottom of Pit

Lab Sample ID: 280-57266-2

Date Collected: 06/29/14 12:23

Matrix: Solid

Date Received: 07/01/14 18:09

Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		6.8		ug/Kg	☼	07/02/14 17:00	07/02/14 21:08	1
Ethylbenzene	ND		6.8		ug/Kg	☼	07/02/14 17:00	07/02/14 21:08	1
Toluene	ND		6.8		ug/Kg	☼	07/02/14 17:00	07/02/14 21:08	1
Xylenes, Total	ND		6.8		ug/Kg	☼	07/02/14 17:00	07/02/14 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		58 - 140	07/02/14 17:00	07/02/14 21:08	1
Toluene-d8 (Surr)	107		80 - 126	07/02/14 17:00	07/02/14 21:08	1
4-Bromofluorobenzene (Surr)	105		76 - 127	07/02/14 17:00	07/02/14 21:08	1
Dibromofluoromethane (Surr)	111		75 - 121	07/02/14 17:00	07/02/14 21:08	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	☼	07/02/14 13:41	07/03/14 05:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		77 - 123	07/02/14 13:41	07/03/14 05:49	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		4.2		mg/Kg	☼	07/03/14 09:50	07/07/14 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93		49 - 115	07/03/14 09:50	07/07/14 20:43	1

Method: 20B - Sodium Adsorption Ratio - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium Adsorption Ratio	11		1.2		No Unit	—	07/02/14 15:41	07/11/14 16:58	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	160		1.1		mg/Kg	☼	07/03/14 15:05	07/09/14 00:43	1
Boron	ND		11		mg/Kg	☼	07/03/14 15:05	07/09/14 00:43	1
Cadmium	ND		0.53		mg/Kg	☼	07/03/14 15:05	07/09/14 00:43	1
Calcium	12000		53		mg/Kg	☼	07/03/14 15:05	07/09/14 19:09	1
Magnesium	3000		21		mg/Kg	☼	07/03/14 15:05	07/09/14 00:43	1
Molybdenum	ND		2.1		mg/Kg	☼	07/03/14 15:05	07/09/14 00:43	1
Silver	ND		1.1		mg/Kg	☼	07/03/14 15:05	07/09/14 00:43	1
Sodium	870		530		mg/Kg	☼	07/03/14 15:05	07/09/14 19:09	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		0.11		mg/Kg	☼	07/07/14 15:10	07/08/14 00:09	1
Chromium	16		0.22		mg/Kg	☼	07/07/14 15:10	07/08/14 00:09	1
Copper	19		0.28		mg/Kg	☼	07/07/14 15:10	07/08/14 00:09	1
Lead	11		0.11		mg/Kg	☼	07/07/14 15:10	07/08/14 00:09	1
Nickel	16		0.17		mg/Kg	☼	07/07/14 15:10	07/08/14 00:09	1
Selenium	2.0		0.22		mg/Kg	☼	07/07/14 15:10	07/08/14 00:09	1
Zinc	54		1.1		mg/Kg	☼	07/07/14 15:10	07/08/14 00:09	1

TestAmerica Denver

Client Sample Results

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

TestAmerica Job ID: 280-57266-1

Client Sample ID: Kauai 23-26 Bottom of Pit

Lab Sample ID: 280-57266-2

Date Collected: 06/29/14 12:23

Matrix: Solid

Date Received: 07/01/14 18:09

Percent Solids: 88.1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21		18		ug/Kg	☼	07/08/14 13:55	07/08/14 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		0.10		%	—		07/02/14 11:58	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH adj. to 25 deg C	8.40		0.100		SU	—		07/08/14 19:38	1
Specific Conductance	2300		20		umhos/cm	—		07/10/14 18:34	1

Client Sample Results

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

TestAmerica Job ID: 280-57266-1

Client Sample ID: Kauai 23-26 Native West

Lab Sample ID: 280-57266-3

Date Collected: 06/29/14 12:29

Matrix: Solid

Date Received: 07/01/14 18:09

Percent Solids: 99.1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.3		0.099		mg/Kg	☆	07/07/14 15:10	07/08/14 00:30	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	0.86		0.10		%			07/08/14 12:38	1

Client Sample Results

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

TestAmerica Job ID: 280-57266-1

Client Sample ID: Kauai 23-26 Native North

Lab Sample ID: 280-57266-4

Date Collected: 06/29/14 12:30

Matrix: Solid

Date Received: 07/01/14 18:09

Percent Solids: 72.7

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		0.14		mg/Kg	☼	07/07/14 15:10	07/08/14 00:33	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	27		0.10		%	—		07/08/14 12:38	1

Client Sample Results

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

TestAmerica Job ID: 280-57266-1

Client Sample ID: Kauai 23-26 Native East

Lab Sample ID: 280-57266-5

Date Collected: 06/29/14 12:32

Matrix: Solid

Date Received: 07/01/14 18:09

Percent Solids: 71.8

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.7		0.13		mg/Kg	☆	07/07/14 15:10	07/08/14 00:36	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		0.10		%			07/08/14 12:38	1

Client Sample Results

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

TestAmerica Job ID: 280-57266-1

Client Sample ID: Kauai 23-26 Native South

Lab Sample ID: 280-57266-6

Date Collected: 06/29/14 12:35

Matrix: Solid

Date Received: 07/01/14 18:09

Percent Solids: 73.8

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5		0.13		mg/Kg	☼	07/07/14 15:10	07/08/14 00:39	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	26		0.10		%			07/08/14 12:38	1