

Wickham, Jerry, Env. Health

From: Peter Sims <simpeterd@gmail.com>
Sent: Wednesday, November 19, 2014 3:41 PM
To: Wickham, Jerry, Env. Health
Subject: Ashland Housing Project
Attachments: Bld A In Situ Soil Sample Results.pdf; Building A Excavation Sampling Locations rev3.pdf

Hi Jerry,

Attached are the lab results and figure showing the sample locations for the sampling performed to test in-situ soil for potential reuse at the Ashland site. Based on the lab results, the soil looks ok to reuse on site to me. Soil will be excavated within the Building A footprint, cellular concrete will be poured in the excavation, and then the excavated soil will be used to backfill the excavation as well as raise the final grade above the existing grade.

Our company email server is down so I don't have access to old emails. Please let me know if there is any other information you need. Please respond to this email address, I expect our mail server will be down for at least another day.

Thank you,

Peter Sims
Project Environmental Geologis
Ninyo & Moore
510-343-3000
c: 510-327-9335



Remaining portion to be poured

Portion already poured

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-61192-1
Client Project/Site: Ashland

For:
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, California 94612

Attn: Mr. Peter D. Sims



Authorized for release by:
11/17/2014 5:26:03 PM
Afsaneh Salimpour, Senior Project Manager
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Designee for
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LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Job ID: 720-61192-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-61192-1

Comments

No additional comments.

Receipt

The samples were received on 11/12/2014 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.5° C.

GC/MS VOA

Method(s) 8260B: Internal standard (ISTD) response for the following samples was outside control limits: DS3-3.0 (720-61192-13). The samples were re-analyzed with concurring results, and the second set of data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method(s) 6010B: The following sample(s) was diluted due to the abundance of non-target analyte Fe: COMP D-0.5 (720-61192-5), COMP D-3.0 (720-61192-15), COMP E-0.5 (720-61192-25). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS1-0.5

Lab Sample ID: 720-61192-1

No Detections.

Client Sample ID: COMP D-0.5

Lab Sample ID: 720-61192-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	19		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	90		49		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	6.0		3.6		mg/Kg	4		6010B	Total/NA
Barium	140		1.8		mg/Kg	4		6010B	Total/NA
Beryllium	0.50		0.36		mg/Kg	4		6010B	Total/NA
Chromium	31		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	9.9		0.72		mg/Kg	4		6010B	Total/NA
Copper	23		5.4		mg/Kg	4		6010B	Total/NA
Lead	17		1.8		mg/Kg	4		6010B	Total/NA
Nickel	35		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	37		1.8		mg/Kg	4		6010B	Total/NA
Zinc	68		5.4		mg/Kg	4		6010B	Total/NA
Mercury	0.064		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: DS2-1.5

Lab Sample ID: 720-61192-7

No Detections.

Client Sample ID: COMP D-1.5

Lab Sample ID: 720-61192-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	4.4		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	4.8		0.92		mg/Kg	1		6010B	Total/NA
Barium	130		0.46		mg/Kg	1		6010B	Total/NA
Beryllium	0.34		0.092		mg/Kg	1		6010B	Total/NA
Cadmium	0.26		0.11		mg/Kg	1		6010B	Total/NA
Chromium	31		0.46		mg/Kg	1		6010B	Total/NA
Cobalt	7.8		0.18		mg/Kg	1		6010B	Total/NA
Copper	20		1.4		mg/Kg	1		6010B	Total/NA
Lead	13		0.46		mg/Kg	1		6010B	Total/NA
Nickel	35		0.46		mg/Kg	1		6010B	Total/NA
Vanadium	24		0.46		mg/Kg	1		6010B	Total/NA
Zinc	54		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.059		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: DS3-3.0

Lab Sample ID: 720-61192-13

No Detections.

Client Sample ID: COMP D-3.0

Lab Sample ID: 720-61192-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.3		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	6.0		3.4		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP D-3.0 (Continued)

Lab Sample ID: 720-61192-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	170		1.7		mg/Kg	4		6010B	Total/NA
Beryllium	0.61		0.34		mg/Kg	4		6010B	Total/NA
Chromium	44		1.7		mg/Kg	4		6010B	Total/NA
Cobalt	10		0.69		mg/Kg	4		6010B	Total/NA
Copper	21		5.2		mg/Kg	4		6010B	Total/NA
Lead	6.8		1.7		mg/Kg	4		6010B	Total/NA
Nickel	49		1.7		mg/Kg	4		6010B	Total/NA
Vanadium	33		1.7		mg/Kg	4		6010B	Total/NA
Zinc	67		5.2		mg/Kg	4		6010B	Total/NA
Mercury	0.038		0.0083		mg/Kg	1		7471A	Total/NA

Client Sample ID: DS4-5.0

Lab Sample ID: 720-61192-19

No Detections.

Client Sample ID: COMP D-5.0

Lab Sample ID: 720-61192-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.3		0.94		mg/Kg	1		6010B	Total/NA
Barium	130		0.47		mg/Kg	1		6010B	Total/NA
Beryllium	0.32		0.094		mg/Kg	1		6010B	Total/NA
Cadmium	0.16		0.12		mg/Kg	1		6010B	Total/NA
Chromium	30		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	7.2		0.19		mg/Kg	1		6010B	Total/NA
Copper	15		1.4		mg/Kg	1		6010B	Total/NA
Lead	4.1		0.47		mg/Kg	1		6010B	Total/NA
Nickel	34		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	25		0.47		mg/Kg	1		6010B	Total/NA
Zinc	33		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.031		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: DS5-0.5

Lab Sample ID: 720-61192-21

No Detections.

Client Sample ID: COMP E-0.5

Lab Sample ID: 720-61192-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	7.3		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	4.6		3.5		mg/Kg	4		6010B	Total/NA
Barium	110		1.8		mg/Kg	4		6010B	Total/NA
Chromium	37		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.70		mg/Kg	4		6010B	Total/NA
Copper	25		5.3		mg/Kg	4		6010B	Total/NA
Lead	34		1.8		mg/Kg	4		6010B	Total/NA
Nickel	37		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	34		1.8		mg/Kg	4		6010B	Total/NA
Zinc	70		5.3		mg/Kg	4		6010B	Total/NA
Mercury	0.087		0.0095		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS6-1.5

Lab Sample ID: 720-61192-27

No Detections.

Client Sample ID: COMP E-1.5

Lab Sample ID: 720-61192-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	4.5		0.93		mg/Kg			1	6010B	Total/NA
Barium	130		0.47		mg/Kg			1	6010B	Total/NA
Beryllium	0.37		0.093		mg/Kg			1	6010B	Total/NA
Cadmium	0.25		0.12		mg/Kg			1	6010B	Total/NA
Chromium	32		0.47		mg/Kg			1	6010B	Total/NA
Cobalt	8.4		0.19		mg/Kg			1	6010B	Total/NA
Copper	17		1.4		mg/Kg			1	6010B	Total/NA
Lead	5.4		0.47		mg/Kg			1	6010B	Total/NA
Nickel	35		0.47		mg/Kg			1	6010B	Total/NA
Vanadium	24		0.47		mg/Kg			1	6010B	Total/NA
Zinc	38		1.4		mg/Kg			1	6010B	Total/NA
Mercury	0.030		0.0088		mg/Kg			1	7471A	Total/NA

Client Sample ID: DS7-3.0

Lab Sample ID: 720-61192-33

No Detections.

Client Sample ID: COMP E-3.0

Lab Sample ID: 720-61192-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	4.3		0.83		mg/Kg			1	6010B	Total/NA
Barium	120		0.42		mg/Kg			1	6010B	Total/NA
Beryllium	0.27		0.083		mg/Kg			1	6010B	Total/NA
Cadmium	0.16		0.10		mg/Kg			1	6010B	Total/NA
Chromium	30		0.42		mg/Kg			1	6010B	Total/NA
Cobalt	7.1		0.17		mg/Kg			1	6010B	Total/NA
Copper	14		1.3		mg/Kg			1	6010B	Total/NA
Lead	3.6		0.42		mg/Kg			1	6010B	Total/NA
Nickel	34		0.42		mg/Kg			1	6010B	Total/NA
Vanadium	23		0.42		mg/Kg			1	6010B	Total/NA
Zinc	31		1.3		mg/Kg			1	6010B	Total/NA
Mercury	0.027		0.0086		mg/Kg			1	7471A	Total/NA

Client Sample ID: DS8-5.0

Lab Sample ID: 720-61192-39

No Detections.

Client Sample ID: COMP E-5.0

Lab Sample ID: 720-61192-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	4.5		0.96		mg/Kg			1	6010B	Total/NA
Barium	100		0.48		mg/Kg			1	6010B	Total/NA
Beryllium	0.25		0.096		mg/Kg			1	6010B	Total/NA
Cadmium	0.16		0.12		mg/Kg			1	6010B	Total/NA
Chromium	25		0.48		mg/Kg			1	6010B	Total/NA
Cobalt	6.9		0.19		mg/Kg			1	6010B	Total/NA
Copper	12		1.4		mg/Kg			1	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP E-5.0 (Continued)

Lab Sample ID: 720-61192-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.4		0.48		mg/Kg	1		6010B	Total/NA
Nickel	28		0.48		mg/Kg	1		6010B	Total/NA
Vanadium	23		0.48		mg/Kg	1		6010B	Total/NA
Zinc	28		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.021		0.0094		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS1-0.5

Lab Sample ID: 720-61192-1

Date Collected: 11/12/14 14:46

Matrix: Solid

Date Received: 11/12/14 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Ethylbenzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Toluene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Xylenes, Total	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Naphthalene	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		45 - 131				11/12/14 21:06	11/13/14 02:23	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 140				11/12/14 21:06	11/13/14 02:23	1
Toluene-d8 (Surr)	89		58 - 140				11/12/14 21:06	11/13/14 02:23	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP D-0.5

Lab Sample ID: 720-61192-5

Date Collected: 11/12/14 09:23

Matrix: Solid

Date Received: 11/12/14 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	19		0.99		mg/Kg		11/13/14 08:39	11/14/14 14:54	1
Motor Oil Range Organics [C24-C36]	90		49		mg/Kg		11/13/14 08:39	11/14/14 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0		0 - 1				11/13/14 08:39	11/14/14 14:54	1
p-Terphenyl	64		38 - 148				11/13/14 08:39	11/14/14 14:54	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Arsenic	6.0		3.6		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Barium	140		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Beryllium	0.50		0.36		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Cadmium	ND		0.45		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Chromium	31		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Cobalt	9.9		0.72		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Copper	23		5.4		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Lead	17		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Molybdenum	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Nickel	35		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Selenium	ND		3.6		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Silver	ND		0.90		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Thallium	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Vanadium	37		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Zinc	68		5.4		mg/Kg		11/13/14 16:48	11/14/14 19:55	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.064		0.0098		mg/Kg		11/13/14 18:58	11/17/14 14:50	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS2-1.5

Lab Sample ID: 720-61192-7

Date Collected: 11/12/14 14:20

Matrix: Solid

Date Received: 11/12/14 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Ethylbenzene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Toluene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Xylenes, Total	ND		9.5		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Naphthalene	ND		9.5		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		45 - 131				11/12/14 21:06	11/13/14 02:52	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140				11/12/14 21:06	11/13/14 02:52	1
Toluene-d8 (Surr)	88		58 - 140				11/12/14 21:06	11/13/14 02:52	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP D-1.5

Lab Sample ID: 720-61192-10

Date Collected: 11/12/14 09:28

Matrix: Solid

Date Received: 11/12/14 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4.4		1.0		mg/Kg		11/13/14 08:39	11/14/14 14:11	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.02		0 - 1				11/13/14 08:39	11/14/14 14:11	1
p-Terphenyl	99		38 - 148				11/13/14 08:39	11/14/14 14:11	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Arsenic	4.8		0.92		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Barium	130		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Beryllium	0.34		0.092		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Cadmium	0.26		0.11		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Chromium	31		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Cobalt	7.8		0.18		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Copper	20		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Lead	13		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Molybdenum	ND		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Nickel	35		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Selenium	ND		0.92		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Silver	ND		0.23		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Thallium	ND		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Vanadium	24		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Zinc	54		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.059		0.0092		mg/Kg		11/13/14 18:58	11/17/14 14:53	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS3-3.0

Lab Sample ID: 720-61192-13

Date Collected: 11/12/14 13:54

Matrix: Solid

Date Received: 11/12/14 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.7		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Ethylbenzene	ND		4.7		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Toluene	ND		4.7		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Xylenes, Total	ND		9.3		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Naphthalene	ND	*	9.3		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	66		45 - 131				11/13/14 10:00	11/13/14 16:44	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 140				11/13/14 10:00	11/13/14 16:44	1
Toluene-d8 (Surr)	86		58 - 140				11/13/14 10:00	11/13/14 16:44	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP D-3.0

Lab Sample ID: 720-61192-15

Date Collected: 11/12/14 09:35

Matrix: Solid

Date Received: 11/12/14 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	1.3		1.0		mg/Kg		11/13/14 08:39	11/14/14 12:07	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 12:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.006		0 - 1				11/13/14 08:39	11/14/14 12:07	1
p-Terphenyl	87		38 - 148				11/13/14 08:39	11/14/14 12:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Arsenic	6.0		3.4		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Barium	170		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Beryllium	0.61		0.34		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Cadmium	ND		0.43		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Chromium	44		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Cobalt	10		0.69		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Copper	21		5.2		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Lead	6.8		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Molybdenum	ND		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Nickel	49		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Selenium	ND		3.4		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Silver	ND		0.86		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Thallium	ND		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Vanadium	33		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Zinc	67		5.2		mg/Kg		11/13/14 16:48	11/14/14 20:05	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.0083		mg/Kg		11/13/14 18:58	11/17/14 14:55	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS4-5.0

Lab Sample ID: 720-61192-19

Date Collected: 11/12/14 09:44

Matrix: Solid

Date Received: 11/12/14 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Ethylbenzene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Toluene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Xylenes, Total	ND		9.4		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Naphthalene	ND		9.4		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		45 - 131				11/12/14 21:06	11/13/14 03:48	1
1,2-Dichloroethane-d4 (Surr)	95		60 - 140				11/12/14 21:06	11/13/14 03:48	1
Toluene-d8 (Surr)	90		58 - 140				11/12/14 21:06	11/13/14 03:48	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP D-5.0

Lab Sample ID: 720-61192-20

Date Collected: 11/12/14 09:44

Matrix: Solid

Date Received: 11/12/14 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		11/13/14 08:39	11/14/14 12:32	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 12:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.005		0 - 1				11/13/14 08:39	11/14/14 12:32	1
p-Terphenyl	104		38 - 148				11/13/14 08:39	11/14/14 12:32	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Arsenic	4.3		0.94		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Barium	130		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Beryllium	0.32		0.094		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Cadmium	0.16		0.12		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Chromium	30		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Cobalt	7.2		0.19		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Copper	15		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Lead	4.1		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Molybdenum	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Nickel	34		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Selenium	ND		0.94		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Silver	ND		0.24		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Thallium	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Vanadium	25		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Zinc	33		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:23	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.0095		mg/Kg		11/13/14 18:58	11/17/14 14:58	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS5-0.5

Lab Sample ID: 720-61192-21

Date Collected: 11/12/14 13:14

Matrix: Solid

Date Received: 11/12/14 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Ethylbenzene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Toluene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Xylenes, Total	ND		9.8		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Naphthalene	ND		9.8		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		45 - 131				11/12/14 21:06	11/13/14 04:17	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140				11/12/14 21:06	11/13/14 04:17	1
Toluene-d8 (Surr)	88		58 - 140				11/12/14 21:06	11/13/14 04:17	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP E-0.5

Lab Sample ID: 720-61192-25

Date Collected: 11/12/14 10:25

Matrix: Solid

Date Received: 11/12/14 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	7.3		0.99		mg/Kg		11/13/14 08:39	11/14/14 14:35	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.003		0 - 1				11/13/14 08:39	11/14/14 14:35	1
p-Terphenyl	96		38 - 148				11/13/14 08:39	11/14/14 14:35	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Arsenic	4.6		3.5		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Barium	110		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Beryllium	ND		0.35		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Cadmium	ND		0.44		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Chromium	37		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Cobalt	11		0.70		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Copper	25		5.3		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Lead	34		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Molybdenum	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Nickel	37		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Selenium	ND		3.5		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Silver	ND		0.88		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Thallium	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Vanadium	34		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Zinc	70		5.3		mg/Kg		11/13/14 16:48	11/14/14 20:14	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.087		0.0095		mg/Kg		11/13/14 18:58	11/17/14 15:00	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS6-1.5

Lab Sample ID: 720-61192-27

Date Collected: 11/12/14 12:59

Matrix: Solid

Date Received: 11/12/14 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Ethylbenzene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Toluene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Xylenes, Total	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Naphthalene	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		45 - 131				11/12/14 21:06	11/13/14 04:45	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 140				11/12/14 21:06	11/13/14 04:45	1
Toluene-d8 (Surr)	89		58 - 140				11/12/14 21:06	11/13/14 04:45	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP E-1.5

Lab Sample ID: 720-61192-30

Date Collected: 11/12/14 10:47

Matrix: Solid

Date Received: 11/12/14 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		11/13/14 08:39	11/14/14 12:56	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.005		0 - 1				11/13/14 08:39	11/14/14 12:56	1
p-Terphenyl	93		38 - 148				11/13/14 08:39	11/14/14 12:56	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Arsenic	4.5		0.93		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Barium	130		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Beryllium	0.37		0.093		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Cadmium	0.25		0.12		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Chromium	32		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Cobalt	8.4		0.19		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Copper	17		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Lead	5.4		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Molybdenum	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Nickel	35		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Selenium	ND		0.93		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Silver	ND		0.23		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Thallium	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Vanadium	24		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Zinc	38		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.0088		mg/Kg		11/13/14 18:58	11/17/14 15:07	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS7-3.0

Lab Sample ID: 720-61192-33

Date Collected: 11/12/14 10:51

Matrix: Solid

Date Received: 11/12/14 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Ethylbenzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Toluene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Xylenes, Total	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Naphthalene	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		45 - 131				11/12/14 21:06	11/13/14 05:13	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 140				11/12/14 21:06	11/13/14 05:13	1
Toluene-d8 (Surr)	90		58 - 140				11/12/14 21:06	11/13/14 05:13	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP E-3.0

Lab Sample ID: 720-61192-35

Date Collected: 11/12/14 10:51

Matrix: Solid

Date Received: 11/12/14 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		11/13/14 08:39	11/14/14 13:20	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.001		0 - 1				11/13/14 08:39	11/14/14 13:20	1
p-Terphenyl	105		38 - 148				11/13/14 08:39	11/14/14 13:20	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Arsenic	4.3		0.83		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Barium	120		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Beryllium	0.27		0.083		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Cadmium	0.16		0.10		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Chromium	30		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Cobalt	7.1		0.17		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Copper	14		1.3		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Lead	3.6		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Molybdenum	ND		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Nickel	34		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Selenium	ND		0.83		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Silver	ND		0.21		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Thallium	ND		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Vanadium	23		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Zinc	31		1.3		mg/Kg		11/13/14 16:48	11/14/14 22:32	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.0086		mg/Kg		11/13/14 18:58	11/17/14 15:10	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS8-5.0

Lab Sample ID: 720-61192-39

Date Collected: 11/12/14 11:34

Matrix: Solid

Date Received: 11/12/14 17:00

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Ethylbenzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Toluene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Xylenes, Total	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Naphthalene	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		45 - 131				11/12/14 21:06	11/13/14 05:41	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 140				11/12/14 21:06	11/13/14 05:41	1
Toluene-d8 (Surr)	89		58 - 140				11/12/14 21:06	11/13/14 05:41	1

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP E-5.0

Lab Sample ID: 720-61192-40

Date Collected: 11/12/14 10:56

Matrix: Solid

Date Received: 11/12/14 17:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		11/13/14 08:39	11/14/14 13:47	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 13:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.01		0 - 1				11/13/14 08:39	11/14/14 13:47	1
p-Terphenyl	100		38 - 148				11/13/14 08:39	11/14/14 13:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Arsenic	4.5		0.96		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Barium	100		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Beryllium	0.25		0.096		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Cadmium	0.16		0.12		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Chromium	25		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Cobalt	6.9		0.19		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Copper	12		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Lead	3.4		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Molybdenum	ND		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Nickel	28		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Selenium	ND		0.96		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Silver	ND		0.24		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Thallium	ND		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Vanadium	23		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Zinc	28		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:37	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.0094		mg/Kg		11/13/14 18:58	11/17/14 15:12	1

QC Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-170782/5

Matrix: Solid

Analysis Batch: 170782

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			11/12/14 19:17	1
Ethylbenzene	ND		5.0		ug/Kg			11/12/14 19:17	1
Toluene	ND		5.0		ug/Kg			11/12/14 19:17	1
Xylenes, Total	ND		10		ug/Kg			11/12/14 19:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			11/12/14 19:17	1
Naphthalene	ND		10		ug/Kg			11/12/14 19:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		45 - 131		11/12/14 19:17	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 140		11/12/14 19:17	1
Toluene-d8 (Surr)	91		58 - 140		11/12/14 19:17	1

Lab Sample ID: LCS 720-170782/6

Matrix: Solid

Analysis Batch: 170782

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	47.2		ug/Kg		94	70 - 130
Ethylbenzene	50.0	46.4		ug/Kg		93	80 - 137
Toluene	50.0	45.8		ug/Kg		92	80 - 128
m-Xylene & p-Xylene	50.0	46.4		ug/Kg		93	70 - 146
o-Xylene	50.0	46.5		ug/Kg		93	70 - 140
Naphthalene	50.0	51.4		ug/Kg		103	60 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	94		45 - 131
1,2-Dichloroethane-d4 (Surr)	100		60 - 140
Toluene-d8 (Surr)	96		58 - 140

Lab Sample ID: LCS 720-170782/8

Matrix: Solid

Analysis Batch: 170782

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1030		ug/Kg		103	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	95		45 - 131
1,2-Dichloroethane-d4 (Surr)	95		60 - 140
Toluene-d8 (Surr)	93		58 - 140

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-170782/7

Matrix: Solid

Analysis Batch: 170782

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	47.8		ug/Kg		96	70 - 130	1	20
Ethylbenzene	50.0	46.8		ug/Kg		94	80 - 137	1	20
Toluene	50.0	46.5		ug/Kg		93	80 - 128	1	20
m-Xylene & p-Xylene	50.0	46.7		ug/Kg		93	70 - 146	0	20
o-Xylene	50.0	46.9		ug/Kg		94	70 - 140	1	20
Naphthalene	50.0	56.0		ug/Kg		112	60 - 147	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	94		45 - 131
1,2-Dichloroethane-d4 (Surr)	99		60 - 140
Toluene-d8 (Surr)	95		58 - 140

Lab Sample ID: LCSD 720-170782/9

Matrix: Solid

Analysis Batch: 170782

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	1020		ug/Kg		102	61 - 128	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	96		45 - 131
1,2-Dichloroethane-d4 (Surr)	98		60 - 140
Toluene-d8 (Surr)	93		58 - 140

Lab Sample ID: MB 720-170815/4

Matrix: Solid

Analysis Batch: 170815

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			11/13/14 08:50	1
Ethylbenzene	ND		5.0		ug/Kg			11/13/14 08:50	1
Toluene	ND		5.0		ug/Kg			11/13/14 08:50	1
Xylenes, Total	ND		10		ug/Kg			11/13/14 08:50	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			11/13/14 08:50	1
Naphthalene	ND		10		ug/Kg			11/13/14 08:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		45 - 131		11/13/14 08:50	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 140		11/13/14 08:50	1
Toluene-d8 (Surr)	90		58 - 140		11/13/14 08:50	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-170815/5

Matrix: Solid

Analysis Batch: 170815

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	47.8		ug/Kg		96	70 - 130
Ethylbenzene	50.0	44.8		ug/Kg		90	80 - 137
Toluene	50.0	43.8		ug/Kg		88	80 - 128
m-Xylene & p-Xylene	50.0	45.4		ug/Kg		91	70 - 146
o-Xylene	50.0	46.2		ug/Kg		92	70 - 140
Naphthalene	50.0	50.8		ug/Kg		102	60 - 147

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	92		45 - 131
1,2-Dichloroethane-d4 (Surr)	81		60 - 140
Toluene-d8 (Surr)	93		58 - 140

Lab Sample ID: LCS 720-170815/7

Matrix: Solid

Analysis Batch: 170815

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	976		ug/Kg		98	61 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	94		45 - 131
1,2-Dichloroethane-d4 (Surr)	87		60 - 140
Toluene-d8 (Surr)	93		58 - 140

Lab Sample ID: LCSD 720-170815/6

Matrix: Solid

Analysis Batch: 170815

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	50.0	48.2		ug/Kg		96	70 - 130	1	20
Ethylbenzene	50.0	45.0		ug/Kg		90	80 - 137	1	20
Toluene	50.0	44.9		ug/Kg		90	80 - 128	2	20
m-Xylene & p-Xylene	50.0	45.8		ug/Kg		92	70 - 146	1	20
o-Xylene	50.0	46.3		ug/Kg		93	70 - 140	0	20
Naphthalene	50.0	53.0		ug/Kg		106	60 - 147	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	91		45 - 131
1,2-Dichloroethane-d4 (Surr)	77		60 - 140
Toluene-d8 (Surr)	93		58 - 140

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-170815/8

Matrix: Solid

Analysis Batch: 170815

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12	1000	942		ug/Kg		94	61 - 128	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene	93		45 - 131
1,2-Dichloroethane-d4 (Surr)	86		60 - 140
Toluene-d8 (Surr)	93		58 - 140

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

Lab Sample ID: MB 720-170832/1-A

Matrix: Solid

Analysis Batch: 170899

Client Sample ID: Method Blank

Prep Type: Silica Gel Cleanup

Prep Batch: 170832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		11/13/14 08:39	11/14/14 12:07	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 12:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	0.005		0 - 1	11/13/14 08:39	11/14/14 12:07	1
p-Terphenyl	103		38 - 148	11/13/14 08:39	11/14/14 12:07	1

Lab Sample ID: LCS 720-170832/2-A

Matrix: Solid

Analysis Batch: 170899

Client Sample ID: Lab Control Sample

Prep Type: Silica Gel Cleanup

Prep Batch: 170832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.0	60.0		mg/Kg		73	36 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	114		38 - 148

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-170877/1-A

Matrix: Solid

Analysis Batch: 170971

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 170877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Arsenic	ND		1.0		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Barium	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Beryllium	ND		0.10		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Cadmium	ND		0.13		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Chromium	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Cobalt	ND		0.20		mg/Kg		11/13/14 16:48	11/14/14 18:39	1

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 720-170877/1-A
Matrix: Solid
Analysis Batch: 170971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		1.5		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Lead	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Molybdenum	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Nickel	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Selenium	ND		1.0		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Silver	ND		0.25		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Thallium	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Vanadium	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Zinc	ND		1.5		mg/Kg		11/13/14 16:48	11/14/14 18:39	1

Lab Sample ID: LCS 720-170877/2-A
Matrix: Solid
Analysis Batch: 170971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	46.0		mg/Kg		92	80 - 120
Arsenic	50.0	48.1		mg/Kg		96	80 - 120
Barium	50.0	50.6		mg/Kg		101	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	50.6		mg/Kg		101	80 - 120
Chromium	50.0	50.7		mg/Kg		101	80 - 120
Cobalt	50.0	50.0		mg/Kg		100	80 - 120
Copper	50.0	49.1		mg/Kg		98	80 - 120
Lead	50.0	50.0		mg/Kg		100	80 - 120
Molybdenum	50.0	50.3		mg/Kg		101	80 - 120
Nickel	50.0	49.8		mg/Kg		100	80 - 120
Selenium	50.0	48.0		mg/Kg		96	80 - 120
Silver	25.0	24.1		mg/Kg		97	80 - 120
Thallium	50.0	49.8		mg/Kg		100	80 - 120
Vanadium	50.0	48.4		mg/Kg		97	80 - 120
Zinc	50.0	45.6		mg/Kg		91	80 - 120

Lab Sample ID: LCSD 720-170877/3-A
Matrix: Solid
Analysis Batch: 170971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170877

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	46.8		mg/Kg		94	80 - 120	2	20
Arsenic	50.0	48.4		mg/Kg		97	80 - 120	1	20
Barium	50.0	51.6		mg/Kg		103	80 - 120	2	20
Beryllium	50.0	50.4		mg/Kg		101	80 - 120	1	20
Cadmium	50.0	50.6		mg/Kg		101	80 - 120	0	20
Chromium	50.0	50.2		mg/Kg		100	80 - 120	1	20
Cobalt	50.0	50.0		mg/Kg		100	80 - 120	0	20
Copper	50.0	48.7		mg/Kg		97	80 - 120	1	20
Lead	50.0	49.7		mg/Kg		99	80 - 120	0	20
Molybdenum	50.0	50.3		mg/Kg		101	80 - 120	0	20
Nickel	50.0	49.6		mg/Kg		99	80 - 120	1	20
Selenium	50.0	47.9		mg/Kg		96	80 - 120	0	20

TestAmerica Pleasanton

QC Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-170877/3-A
Matrix: Solid
Analysis Batch: 170971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170877

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Silver	25.0	24.3		mg/Kg		97	80 - 120	1	20	
Thallium	50.0	49.7		mg/Kg		99	80 - 120	0	20	
Vanadium	50.0	48.1		mg/Kg		96	80 - 120	1	20	
Zinc	50.0	45.5		mg/Kg		91	80 - 120	0	20	

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-170885/1-A
Matrix: Solid
Analysis Batch: 171061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170885

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.010		mg/Kg		11/13/14 18:58	11/17/14 14:38	1

Lab Sample ID: LCS 720-170885/2-A
Matrix: Solid
Analysis Batch: 171061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	RPD
Mercury	0.833	0.828		mg/Kg		99	80 - 120	

Lab Sample ID: LCSD 720-170885/3-A
Matrix: Solid
Analysis Batch: 171061

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170885

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Mercury	0.833	0.785		mg/Kg		94	80 - 120	5	20	

Lab Sample ID: 720-61192-5 MS
Matrix: Solid
Analysis Batch: 171061

Client Sample ID: COMP D-0.5
Prep Type: Total/NA
Prep Batch: 170885

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Mercury	0.064		0.781	0.836		mg/Kg		99	75 - 125	

Lab Sample ID: 720-61192-5 MSD
Matrix: Solid
Analysis Batch: 171061

Client Sample ID: COMP D-0.5
Prep Type: Total/NA
Prep Batch: 170885

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Mercury	0.064		0.806	0.871		mg/Kg		100	75 - 125	4

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

GC/MS VOA

Analysis Batch: 170782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-1	DS1-0.5	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-7	DS2-1.5	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-19	DS4-5.0	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-21	DS5-0.5	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-27	DS6-1.5	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-33	DS7-3.0	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-39	DS8-5.0	Total/NA	Solid	8260B/CA_LUFT MS	170804
LCS 720-170782/6	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-170782/8	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170782/7	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170782/9	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-170782/5	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 170804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-1	DS1-0.5	Total/NA	Solid	5030B	
720-61192-7	DS2-1.5	Total/NA	Solid	5030B	
720-61192-19	DS4-5.0	Total/NA	Solid	5030B	
720-61192-21	DS5-0.5	Total/NA	Solid	5030B	
720-61192-27	DS6-1.5	Total/NA	Solid	5030B	
720-61192-33	DS7-3.0	Total/NA	Solid	5030B	
720-61192-39	DS8-5.0	Total/NA	Solid	5030B	

Analysis Batch: 170815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-13	DS3-3.0	Total/NA	Solid	8260B/CA_LUFT MS	170843
LCS 720-170815/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-170815/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170815/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170815/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-170815/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 170843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-13	DS3-3.0	Total/NA	Solid	5030B	

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

GC Semi VOA

Prep Batch: 170832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Silica Gel Cleanup	Solid	3546	
720-61192-10	COMP D-1.5	Silica Gel Cleanup	Solid	3546	
720-61192-15	COMP D-3.0	Silica Gel Cleanup	Solid	3546	
720-61192-20	COMP D-5.0	Silica Gel Cleanup	Solid	3546	
720-61192-25	COMP E-0.5	Silica Gel Cleanup	Solid	3546	
720-61192-30	COMP E-1.5	Silica Gel Cleanup	Solid	3546	
720-61192-35	COMP E-3.0	Silica Gel Cleanup	Solid	3546	
720-61192-40	COMP E-5.0	Silica Gel Cleanup	Solid	3546	
LCS 720-170832/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
MB 720-170832/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 170899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-170832/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	170832
MB 720-170832/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	170832

Analysis Batch: 170900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-10	COMP D-1.5	Silica Gel Cleanup	Solid	8015B	170832
720-61192-15	COMP D-3.0	Silica Gel Cleanup	Solid	8015B	170832
720-61192-20	COMP D-5.0	Silica Gel Cleanup	Solid	8015B	170832
720-61192-25	COMP E-0.5	Silica Gel Cleanup	Solid	8015B	170832
720-61192-30	COMP E-1.5	Silica Gel Cleanup	Solid	8015B	170832
720-61192-35	COMP E-3.0	Silica Gel Cleanup	Solid	8015B	170832
720-61192-40	COMP E-5.0	Silica Gel Cleanup	Solid	8015B	170832

Analysis Batch: 170920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Silica Gel Cleanup	Solid	8015B	170832

Metals

Prep Batch: 170877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Total/NA	Solid	3050B	
720-61192-10	COMP D-1.5	Total/NA	Solid	3050B	
720-61192-15	COMP D-3.0	Total/NA	Solid	3050B	
720-61192-20	COMP D-5.0	Total/NA	Solid	3050B	
720-61192-25	COMP E-0.5	Total/NA	Solid	3050B	
720-61192-30	COMP E-1.5	Total/NA	Solid	3050B	
720-61192-35	COMP E-3.0	Total/NA	Solid	3050B	
720-61192-40	COMP E-5.0	Total/NA	Solid	3050B	
LCS 720-170877/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-170877/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 720-170877/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 170885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Total/NA	Solid	7471A	
720-61192-5 MS	COMP D-0.5	Total/NA	Solid	7471A	

TestAmerica Pleasanton

QC Association Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Metals (Continued)

Prep Batch: 170885 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5 MSD	COMP D-0.5	Total/NA	Solid	7471A	
720-61192-10	COMP D-1.5	Total/NA	Solid	7471A	
720-61192-15	COMP D-3.0	Total/NA	Solid	7471A	
720-61192-20	COMP D-5.0	Total/NA	Solid	7471A	
720-61192-25	COMP E-0.5	Total/NA	Solid	7471A	
720-61192-30	COMP E-1.5	Total/NA	Solid	7471A	
720-61192-35	COMP E-3.0	Total/NA	Solid	7471A	
720-61192-40	COMP E-5.0	Total/NA	Solid	7471A	
LCS 720-170885/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-170885/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-170885/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 170971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Total/NA	Solid	6010B	170877
720-61192-15	COMP D-3.0	Total/NA	Solid	6010B	170877
720-61192-25	COMP E-0.5	Total/NA	Solid	6010B	170877
LCS 720-170877/2-A	Lab Control Sample	Total/NA	Solid	6010B	170877
LCSD 720-170877/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	170877
MB 720-170877/1-A	Method Blank	Total/NA	Solid	6010B	170877

Analysis Batch: 170994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-10	COMP D-1.5	Total/NA	Solid	6010B	170877
720-61192-20	COMP D-5.0	Total/NA	Solid	6010B	170877
720-61192-30	COMP E-1.5	Total/NA	Solid	6010B	170877
720-61192-35	COMP E-3.0	Total/NA	Solid	6010B	170877
720-61192-40	COMP E-5.0	Total/NA	Solid	6010B	170877

Analysis Batch: 171061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Total/NA	Solid	7471A	170885
720-61192-5 MS	COMP D-0.5	Total/NA	Solid	7471A	170885
720-61192-5 MSD	COMP D-0.5	Total/NA	Solid	7471A	170885
720-61192-10	COMP D-1.5	Total/NA	Solid	7471A	170885
720-61192-15	COMP D-3.0	Total/NA	Solid	7471A	170885
720-61192-20	COMP D-5.0	Total/NA	Solid	7471A	170885
720-61192-25	COMP E-0.5	Total/NA	Solid	7471A	170885
720-61192-30	COMP E-1.5	Total/NA	Solid	7471A	170885
720-61192-35	COMP E-3.0	Total/NA	Solid	7471A	170885
720-61192-40	COMP E-5.0	Total/NA	Solid	7471A	170885
LCS 720-170885/2-A	Lab Control Sample	Total/NA	Solid	7471A	170885
LCSD 720-170885/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	170885
MB 720-170885/1-A	Method Blank	Total/NA	Solid	7471A	170885

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS1-0.5

Date Collected: 11/12/14 14:46

Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 02:23	ASC	TAL PLS

Client Sample ID: COMP D-0.5

Date Collected: 11/12/14 09:23

Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170920	11/14/14 14:54	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		4	170971	11/14/14 19:55	SLK	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 14:50	CAM	TAL PLS

Client Sample ID: DS2-1.5

Date Collected: 11/12/14 14:20

Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 02:52	ASC	TAL PLS

Client Sample ID: COMP D-1.5

Date Collected: 11/12/14 09:28

Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 14:11	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		1	170994	11/14/14 22:18	EFH	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 14:53	CAM	TAL PLS

Client Sample ID: DS3-3.0

Date Collected: 11/12/14 13:54

Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170843	11/13/14 10:00	YYB	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170815	11/13/14 16:44	PDR	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP D-3.0

Lab Sample ID: 720-61192-15

Date Collected: 11/12/14 09:35

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 12:07	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		4	170971	11/14/14 20:05	SLK	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 14:55	CAM	TAL PLS

Client Sample ID: DS4-5.0

Lab Sample ID: 720-61192-19

Date Collected: 11/12/14 09:44

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 03:48	ASC	TAL PLS

Client Sample ID: COMP D-5.0

Lab Sample ID: 720-61192-20

Date Collected: 11/12/14 09:44

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 12:32	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		1	170994	11/14/14 22:23	EFH	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 14:58	CAM	TAL PLS

Client Sample ID: DS5-0.5

Lab Sample ID: 720-61192-21

Date Collected: 11/12/14 13:14

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 04:17	ASC	TAL PLS

Client Sample ID: COMP E-0.5

Lab Sample ID: 720-61192-25

Date Collected: 11/12/14 10:25

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 14:35	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP E-0.5

Lab Sample ID: 720-61192-25

Date Collected: 11/12/14 10:25

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	170971	11/14/14 20:14	SLK	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 15:00	CAM	TAL PLS

Client Sample ID: DS6-1.5

Lab Sample ID: 720-61192-27

Date Collected: 11/12/14 12:59

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 04:45	ASC	TAL PLS

Client Sample ID: COMP E-1.5

Lab Sample ID: 720-61192-30

Date Collected: 11/12/14 10:47

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 12:56	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		1	170994	11/14/14 22:28	EFH	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 15:07	CAM	TAL PLS

Client Sample ID: DS7-3.0

Lab Sample ID: 720-61192-33

Date Collected: 11/12/14 10:51

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 05:13	ASC	TAL PLS

Client Sample ID: COMP E-3.0

Lab Sample ID: 720-61192-35

Date Collected: 11/12/14 10:51

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 13:20	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		1	170994	11/14/14 22:32	EFH	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 15:10	CAM	TAL PLS

TestAmerica Pleasanton

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS8-5.0

Lab Sample ID: 720-61192-39

Date Collected: 11/12/14 11:34

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 05:41	ASC	TAL PLS

Client Sample ID: COMP E-5.0

Lab Sample ID: 720-61192-40

Date Collected: 11/12/14 10:56

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 13:47	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		1	170994	11/14/14 22:37	EFH	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 15:12	CAM	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Certification Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte
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- 1
- 2
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Method Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTM S	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-61192-1	DS1-0.5	Solid	11/12/14 14:46	11/12/14 17:00
720-61192-5	COMP D-0.5	Solid	11/12/14 09:23	11/12/14 17:00
720-61192-7	DS2-1.5	Solid	11/12/14 14:20	11/12/14 17:00
720-61192-10	COMP D-1.5	Solid	11/12/14 09:28	11/12/14 17:00
720-61192-13	DS3-3.0	Solid	11/12/14 13:54	11/12/14 17:00
720-61192-15	COMP D-3.0	Solid	11/12/14 09:35	11/12/14 17:00
720-61192-19	DS4-5.0	Solid	11/12/14 09:44	11/12/14 17:00
720-61192-20	COMP D-5.0	Solid	11/12/14 09:44	11/12/14 17:00
720-61192-21	DS5-0.5	Solid	11/12/14 13:14	11/12/14 17:00
720-61192-25	COMP E-0.5	Solid	11/12/14 10:25	11/12/14 17:00
720-61192-27	DS6-1.5	Solid	11/12/14 12:59	11/12/14 17:00
720-61192-30	COMP E-1.5	Solid	11/12/14 10:47	11/12/14 17:00
720-61192-33	DS7-3.0	Solid	11/12/14 10:51	11/12/14 17:00
720-61192-35	COMP E-3.0	Solid	11/12/14 10:51	11/12/14 17:00
720-61192-39	DS8-5.0	Solid	11/12/14 11:34	11/12/14 17:00
720-61192-40	COMP E-5.0	Solid	11/12/14 10:56	11/12/14 17:00

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 Fax: (925) 600-3002

10061192

Reference #: 157541

Date 11/2/14 Page 1 of 4

11/17/2014

Report To

Analysis Request

Attn: **Peter Sims**
 Company: **Ninyo & Moore**
 Address:
 Email: **pims@ninyoandmoore.com**
 Bill To: **Same** Sampled By: **M. Tenn**
 Attn: Phone: **510.343.3000**

Volatile Organics GC/MS (VOCs)
 EPA 8260B
 HVOcs by EPA 8260B
 EPA 8260B: Gas BTEX
 5 Oxygenates PCA, EDB Ethanol
+ naphthalene
 TEPH EPA 80156 Silica Gel
 Diesel Motor Oil Other
 SemiVolatile Organics GC/MS
 EPA-8270C
 PNA/PAH's by 8270C
 8270C SIM
 Oil and Grease Petroleum
 (EPA 1664/9071) Total
 Pesticides EPA 8081
 EPA 8082
 CAM17 Metals
 (EPA 6010/7470/7471)
 Metals: 6010B 200.7
 Lead LUFT RCRA Other:
 Metals: 6020 200.8
 (ICP-MS):
 W.E.T (STLC)
 W.E.T (DI) TCLP
 Hex. Chrom by EPA 7196
 or EPA 7199
 pH 9040
 SM4500
 Spec. Cond. Alkalinity
 TSS SS TDS
 Anions: Cl SO₄ NO₃ F
 Br NO₂ PO₄
 Perchlorate by EPA 314.0
 COD EPA 410.4 SM5220D
 Turbidity

Sample ID	Date	Time	Mat	Preserv
D51-0.5	11/2/14	1446	Soil	ice
D52-0.5		1415		
D53-0.5		1341		
D54-0.5		0923		
D51-1.5		1805		
D52-1.5		1420		
D53-1.5		1351		
D54-1.5		0928		

Analyze composite samples for TPH diesel motor oil w/SSC and TPH metals
Analyze individual samples as indicated for TPH gas & BTEX

Project Info.

Sample Receipt

Project Name: # Ashland
 PO#: 402.090002
 Head Space:
 Temp: 65 °C
 Credit Card Y/N:
 If Yes, please call with payment information ASAP

1) Relinquished by: **Melissa Tenn** Signature
 Signature
 Printed Name
 Date 11/2/14
 Company
 2) Relinquished by: **REV FERMS** Signature
 Signature
 Printed Name
 Date 11-12-14
 Company
 3) Relinquished by: **RUBEN** Signature
 Signature
 Printed Name
 Date
 Company

1) Received by: **POOF** Signature
 Signature
 Printed Name
 Date 11-12
 Company
 2) Received by: **J. Gonzales** Signature
 Signature
 Printed Name
 Date 11/2/14
 Company

1) Received by: **POOF** Signature
 Signature
 Printed Name
 Date 11-12
 Company
 2) Received by: **J. Gonzales** Signature
 Signature
 Printed Name
 Date 11/2/14
 Company

Report: Routine Level 3 Level 4 EDD EDF
 Special Instructions / Comments: Global ID

Signature
 Printed Name
 Date
 Company

See Terms and Conditions on reverse



720-61792 Chain of Custody

Rev. 10/20

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody
 1220 Quarry Lane • Pleasanton CA 94566-4756
 Phone: (510) 484-1999 Fax: (510) 510-3002
720-61192

Reference #: _____
 Date 11/12/14 Page 2 of 4

Analysis Request

Sample ID	Date	Time	Mat	Preserv	Other
D31-3.0	11/12/14	1510	Soil	Ice	
D32-3.0		1428			
D33-3.0		1354			
D34-3.0		0935			
D31-5.0		1520			
D32-5.0		1491			
D33-5.0		1359			
D34-5.0		0944			

Volatile Organics GC/MS (VOCs)
 EPA 8260B
 HVOcs by EPA 8260B
 EPA 8260B: Gas BTEX
 5 Oxygenates DCA, EDB Ethanol
 naphthalene
 TEPH EPA 8015: Silica Gel
 Diesel Motor Oil Other
 SemiVolatile Organics GC/MS
 EPA 8270C
 PNA/PAH's by 8270C
 8270C SIM
 Oil and Grease Petroleum
 (EPA 1664/9071) Total
 Pesticides EPA 8081
 PCBs EPA 8082
 CAM17 Metals
 (EPA 6010/7470/7471)
 Metals: 6010B 200.7
 Lead LUFT RCRA
 Other: _____
 Metals: 6020 200.8
 (ICP-MS): _____
 W.E.T (STLC)
 W.E.T (DI) TCLP
 Hex. Chrom by EPA 7196
 or EPA 7199
 pH 9040
 SM4500
 Spec. Cond. Alkalinity
 TSS SS TDS
 Anions: Cl SO₄ NO₃ F
 Br NO₂ PO₄
 Perchlorate by EPA 314.0
 COD EPA 410.4 SM5220D
 Turbidity

Project Info

Project Name/ #: Ashland
 PO#: 402 090 002
 Head Space:
 Temp:

Sample Receipt

of Containers:
 Relinquished by: Melissa Terry
 Signature: _____
 Printed Name: M Terry
 Date: 11/12/14
 Company: Nimmo & Moore

Relinquished by: DEY FELMS
 Signature: _____
 Printed Name: DEY FELMS
 Date: 11-12-14
 Company:

Relinquished by:
 Signature: _____
 Printed Name:
 Date:
 Company:

Credit Card

Y/N: _____
 If yes, please call with payment information ASAP

1) Received by: DEY FELMS
 Signature: _____
 Printed Name: DEY FELMS
 Date: 11-12
 Company:

2) Received by: DEY FELMS
 Signature: _____
 Printed Name: DEY FELMS
 Date: 11/12/14
 Company:

3) Received by:
 Signature: _____
 Printed Name:
 Date:
 Company:

Report: Routine Level 3 Level 4 EDD EDF
 Special Instructions / Comments:

See Terms and Conditions on reverse

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody
 1220 Quarry Lane • Pleasanton CA 94566-4756
 Phone: (925) 84-1919 Fax: (925) 600-3002

Reference #: _____
 Date 11/12/14 Page 3 of 4

Analysis Request

Report To

Auth: Peter Sims
 Company: Ninup & Moore
 Address: _____
 Email: prims@ninupandmoore.com
 Bill To: Same
 Attn: _____
 Sampled By: M. Terry
 Phone: 510.343.3000

Volatile Organics GC/MS (VOCs)
 EPA 8260B

HVOCs by EPA 8260B

EPA 8260B: Gas BTEX
 5 Oxygenates DCA, EDB Ethanol
+ naphthalene

TEPH EPA 8015: Silica Gel
 Diesel Motor Oil Other

SemiVolatile Organics GC/MS
 EPA-8270C

PNA/PAH's by 8270C
 8270C SIM

Oil and Grease Petroleum
 (EPA 1664/9071) Total

Pesticides EPA 8081
 PCBs EPA 8082

CAM17 Metals
 (EPA 6010/7470/7471)

Metals: 6010B 200.7
 Lead LUFT RCRA
 Other: _____

Metals: 6020 200.8
 (ICP-MS): _____

W.E.T (STLC)
 W.E.T (DI) TCLP

Hex. Chrom by EPA 7196
 or EPA 7199

pH 9040
 SM4500

Spec Cond. Alkalinity
 TSS SS TDS

Anions: Cl SO₄ NO₃ F
 Br NO₂ PO₄

Perchlorate by EPA 314 0

COD EPA 410 4 SM5220D
 Turbidity

Sample ID	Date	Time	Mat	Preserv
D55-0.5	11/2/14	1514	Soil	ice
D56-0.5		1256		
D57-0.5		1025		
D58-0.5		1121		
D55-1.5		1319		
D56-1.5		1259		
D57-1.5		1044		
D58-1.5		1125		

Project Info.

Project Name/ #: Ashland
 PO#: 402 090002
 Head Space: _____
 Temp: _____

Sample Receipt

of Containers: _____

1) Relinquished by:
 Signature: Melissa Terry Time: 15:23
 Printed Name: M. Terry Date: 11/12/14
 Company: Ninup & Moore

2) Relinquished by:
 Signature: M. Terry Time: 15:29
 Printed Name: M. Terry Date: 11-12-14
 Company: _____

3) Relinquished by:
 Signature: _____ Time: _____
 Printed Name: _____ Date: _____
 Company: _____

Credit Card V/N: _____
 If yes, please call with payment information ASAP

Report: Routine Level 3 Level 4 EDD EDF
 Special Instructions / Comments: _____
 Global ID: _____

T	A	Day	Day	Day	Day	Day	Other:
		10	5	4	3	2	1

See Terms and Conditions on reverse

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody
 1220 Quarry Lane • Pleasanton CA 94566-4756
 Phone: (925) 94-1919 • Fax: (925) 600-3002

Reference #: _____
 Date: 11/12/14 Page 4 of 4

Report To

Attn: Peter Sims
 Company: Ningy & Moore
 Address: _____
 Email: pims@ningyandmoore.com
 Bill To: Same
 M. Term
 Phone: 510.343.3000

Sample ID	Date	Time	Mat	Preserv
D55-3.0	11/12/14	1323	Soil	Ice
D56-3.0		1302		
D57-3.0		1051		
D58-3.0		1131		
D55-5.0		1322		
D56-5.0		1305		
D57-5.0		1056		
D58-5.0		1134		

Project Info		Sample Receipt	
Project Name/ #:	# of Containers:	Head Space:	Temp:
Ashland			
402 070 002			

Report: Routine Level 3 Level 4 EDD EDF
 Special Instructions / Comments: Global ID _____
 See Terms and Conditions on reverse

Analysis Request

Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 8260B HVOCs by <input type="checkbox"/> EPA 8260B EPA 8260B: <input checked="" type="checkbox"/> Gas <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> 5 Oxygenates <input type="checkbox"/> DCA, ED6 <input type="checkbox"/> Ethanol + naphthalene TEPH EPA 80156 <input checked="" type="checkbox"/> Silica Gel <input checked="" type="checkbox"/> Diesel <input checked="" type="checkbox"/> Motor Oil <input type="checkbox"/> Other: _____ SemiVolatile Organics GCMS <input type="checkbox"/> EPA 8270C PNA/PAH's by <input type="checkbox"/> 8270C <input type="checkbox"/> 8270C SIM Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664/9071) <input type="checkbox"/> Total Pesticides <input type="checkbox"/> EPA 8081 PCBs <input type="checkbox"/> EPA 8082 CAM17 Metals (EPA 6010/7470/7471) Metals: <input type="checkbox"/> 6010B <input type="checkbox"/> 200.7 <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other: _____ Metals: <input type="checkbox"/> 6020 <input type="checkbox"/> 200.8 (ICP-MS): _____ <input type="checkbox"/> W.E.T (STLC) <input type="checkbox"/> W.E.T (DI) <input type="checkbox"/> TCLP Hex. Chrom by <input type="checkbox"/> EPA 7196 <input type="checkbox"/> or EPA 7199 pH <input type="checkbox"/> 9040 <input type="checkbox"/> SM4500 <input type="checkbox"/> Spec. Cond. <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> SS <input type="checkbox"/> TDS Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄ <input type="checkbox"/> Perchlorate by EPA 314.0 COD <input type="checkbox"/> EPA 410.4 <input type="checkbox"/> SM5220D <input type="checkbox"/> Turbidity	1) Relinquished by: Signature: Melissa Term Printed Name: M Term Date: 11/12/14 Company: Ningy & Moore Time: 15:23	2) Relinquished by: Signature: [Signature] Printed Name: [Name] Date: 11-12-14 Company: [Company] Time: 15:23	3) Relinquished by: Signature: [Signature] Printed Name: [Name] Date: [Date] Company: [Company] Time: [Time]
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Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-61192-1

Login Number: 61192

List Number: 1

Creator: Mullen, Joan

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

