Rec'd
NYSDEC
R-7 Kirkwood
8.19.05
KR

O'BRIEN & GERE

August 18, 2005

Mr. Tom Suozzo, P.E.
New York State Department of Environmental Conservation
1679 NY Route 11
Kirkwood, NY 13795-1602

Re: Remedial Action Final Report
Broome County Shooting Range
Town of Dickinson

File: 1140/35383

Dear Mr. Suozzo:

On behalf of Broome County (County), O'Brien & Gere is submitting to the New York State Department of Environmental Conservation (NYSDEC) this Remedial Action Final Report (RAFR) related to the remediation of heavy metals contaminated soil at the Broome County Sheriff Department's former shooting range located north of the Public Safety Complex in the Town of Dickinson, New York (site).

BACKGROUND

According to a June 15, 1999 O'Brien & Gere Scope of Work proposal, the firing range operated from the mid 1950s to 1993. During that time period, the range was used by the Sheriff's Department, local police departments, the FBI, and the Secret Service as a practice shooting range. The range consisted of two general areas (the firing area and the backstop). The firing area included three firing lanes at various distances from the backstop. During practice sessions, eight to ten people per line would fire at targets at the backstop area. Reportedly, practice sessions were held at the firing range approximately three times per year with approximately forty people attending each session. Based on the historical site activities, the identified constituents of concern are arsenic, copper, and lead.

In the NYSDEC-approved May 2001 Remedial Action Plan (RAP), prepared by Blasland, Bouck & Lee, Inc. (BBL), the following remedial objectives were selected:

- *"Eliminate the potential for direct human contact with the lead contaminated soil: the selected remedy will involve the excavation and on-site treatment of lead contaminated soils and sediments using the soil treatment and stabilization technology. The excavation areas will be filled with fill material currently staged on site. The north drainage swale sediments will be filled to grade with clean fill eliminating the potential of direct human contact with the lead contaminated soil and sediments.*

- *Eliminate potential off-site migration of contaminated soils and surface water; lead contaminated soil and surface water off-site migration will be eliminated by the excavation and on-site treatment of the lead contaminated soil and sediments. These remedial activities will prevent direct contact of storm water with the contaminated soils/sediments and potential contaminant off-site migration.*

The main elements of the selected remedy, which have been designed to meet these objectives as stated above, include the following:

- *Excavation of lead contaminated soil and sediment;*
- *On-site soil and sediment treatment;*
- *Filling the north drainage swale; and*
- *Clean soil backfilling of the excavation areas."*

A remedial action was performed by a contractor other than O'Brien & Gere at the site in 2002; however, the County did not receive a RAFR subsequent to the work to document satisfactory completion of the remediation. As a result, the County retained the services of O'Brien & Gere to prepare a RAFR.

This RAFR will provide a review and analysis of the monitoring/testing data, including the preparation of:

- Data interpretation of the results related to acceptable cleanup levels, as agreed upon by the County and the NYSDEC.
- An evaluation of the effectiveness of the remediation relative to objectives of the RAP, based on the data interpretation.
- A determination if the remediation substantially complied with the objectives of the RAP, and conclusions and recommendations for future remedial activities, if necessary, based on the data interpretation.

As part of the RAFR, O'Brien & Gere prepared a Data Usability Summary Report (DUSR). The DUSR assessed the completeness of the data package as defined under the NYSDEC Analytical Service Protocol (ASP) Category B deliverables, evaluated if the quality control sample results meet the analytical protocol required limits and specifications, and confirmed the results reported on the data summary sheets with the raw data. In addition, the DUSR identified any holding time excursions, confirmed that the proper established analytical protocols were used to generate the data results, and that the correct data qualifiers were recorded on the data summary sheets.

Since the remedial field activities were not performed by O'Brien & Gere, O'Brien & Gere will only be able to provide certification of work relative to the actual RAFR field activities, and will rely on the County to provide written verification that remedial activities took place in substantial accordance with the RAP. A verification letter from the County is included as Attachment A. Photographs of the remedial activities were provided to O'Brien & Gere and are included as Attachment B.

FIELD ACTIVITIES

After meeting with the County and NYSDEC, and reviewing the RAP, O'Brien & Gere established a sampling grid of forty-eight approximately 900-ft^2 grid sections encompassing the firing area (twenty-seven grid sections) and backstop area (twenty-one grid sections). One surface sample (0-2 inches) was collected from each of the forty-eight grid sections. Additionally, subsurface samples were collected from thirteen of the firing area grid sections (at the fill/native soil interface) and from nine of the backstop area grid sections (at the fill/bedrock interface). Two background surface soil samples were also collected from adjacent areas to allow comparison to ambient levels of arsenic, copper, and lead.

In addition to the firing area/backstop samples, two surface soil samples (0-2 inches) were collected from the stand of pine trees south of the firing area, adjacent to the south drainage ditch (swale). Also, a total of six sediment samples (0-6 inches) were collected at 30-ft intervals from the approximately 150-ft portion of the south drainage ditch that parallels the firing range area. This swale is a man-made ditch, which directs surface run-off away from the firing area. This swale is not a New York State classified stream. Sampling locations are shown in Figure 1. The sampling activities described above occurred on September 7, 22, and 23, 2004.

Surface soil and sediment samples were collected using a metal scoop, while subsurface soil samples were collected using a hand-operated auger. Sampling equipment was decontaminated between each sample location by physically cleaning the equipment using a detergent and de-ionized water wash, followed by a nitric acid rinse, and then a de-ionized water rinse.

Samples were placed in properly labeled 4-oz jars and were placed in ice-filled coolers. At the end of each day of sampling, the samples were returned to O'Brien & Gere's Vestal office and placed in a refrigerator. After the sampling activities were completed, the samples were submitted to O'Brien & Gere Laboratories, Inc. in Syracuse, New York. The samples were analyzed for total arsenic, copper, and lead using EPA Method 6010, with a final deliverable package meeting NYSDEC ASP Category B protocols.

For Quality Assurance/Quality Control (QA/QC) purposes, the following samples were collected and analyzed for total arsenic, copper, and lead using EPA Method 6010:

- Four Matrix Spikes
- Four Matrix Spike Duplicates
- Four Field Duplicates
- Four Equipment Field Blanks (Analysis of Equipment Rinse Water).

Subsequent to the collection of the firing range samples, additional samples were collected at the request of the NYSDEC in order to provide more data to better establish site background levels of arsenic, copper, and lead. Six sediment samples (0-6 inches) were collected at various locations from the drainage ditch south and southeast of the pine trees and firing range area. Five background surface soil samples were also collected from various locations in the area adjacent to this drainage ditch to allow comparison to ambient levels of arsenic, copper, and lead. Sampling locations from the additional sampling are shown in Figure 2.

The additional samples were collected on November 18 and 22, 2004, following the same protocols described above. The additional samples were also analyzed for total arsenic, copper, and lead using EPA Method 6010. For QA/QC purposes, a Matrix Spike, a Matrix Spike Duplicate, a Field Duplicate, and an Equipment Field Blank sample was collected during the sediment sampling, and were analyzed for total arsenic, copper, and lead using EPA Method 6010. Per the NYSDEC, the data deliverables for the additional samples were not required to meet ASP Category B protocols, and are not included in the DUSR.

SAMPLING RESULTS

Soil analytical results for the samples collected on September 7, 22, and 23, 2004 are included in Attachment C. Soil analytical results for the samples collected on November 22, 2004 are included in Attachment D. Sediment analytical results for the samples collected on September 7, 2004 are included in Attachment E. Sediment analytical results for the samples collected on November 18, 2004 are included in Attachment F.

A summary of arsenic, copper, and lead concentrations in soil compared to the NYSDEC Recommended Soil Cleanup Objectives (RSCOs) for heavy metals is provided in Table 1. Because the RSCO for lead is "Site Background," the NYSDEC established an average level of 300 mg/kg to be used for determining the RSCO at this site. A summary of arsenic, copper, and lead concentrations in sediment compared to the NYSDEC Sediment Criteria Lowest Effect Levels (LEL) for Metals, as updated in January 1999, is provided in Table 2.

As indicated in Table 1, arsenic was detected at concentrations above the RSCO in the following samples: A-North, B-SRF-11, B-SRF-17, B-SRF-21, F-SRF-24, B-SUB-06, B-SUB-10, F-SUB-31, F-SUB-39, and F-SUB-44. Also, as indicated in Table 1, copper was detected at concentrations above the RSCO in Sample F-SUB-27. Additionally, as indicated in Table 1, lead was detected above the RSCO in the following samples: A-North, A-South, F-SRF-25, and F-SRF-43.

As indicated in Table 2, arsenic was detected at concentrations above the LEL in all of the sediment samples. Also, as indicated in Table 2, copper was detected at concentrations above the LEL in the following samples: SED-51, SED-53, SED-56, SED-57, SED-58, SED-59, SED-60, SED-61, and SED-62. Additionally, as indicated in Table 2, lead was detected at concentrations above the LEL in the following samples: SED-51, SED-53, SED-56, SED-57, SED-58, SED-59, SED-61, and SED-62.

DUSR

As stated in the DUSR, overall data usability with respect to completeness is 100% for the arsenic, copper, and lead data. Additionally, the data were determined to be usable for qualitative and quantitative purposes. The complete DUSR is included as Attachment G.

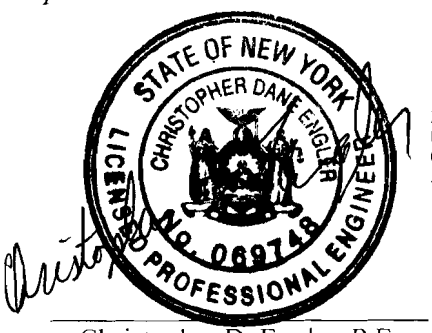
CONCLUSIONS AND RECOMMENDATIONS

Although the RSCOs and LELs were exceeded in several of the surface/sub-surface soil and sediment samples collected from the firing range area, it appears that the arsenic, copper, and lead concentrations exhibited in the samples are consistent with background levels at the site. This conclusion is supported by arsenic, copper, and lead concentrations exceeding RSCOs and LELs in the additional background samples collected from the area south and southeast of the firing range.

Based on these results, it appears that the remedial activities conducted at the Broome County Shooting Range were effective, relative to the objectives of the NYSDEC-approved RAP. Additionally, it appears that the remediation substantially complied with the RAP and no deficiencies from the work plan were identified. Due to the selected remedy, it is recommended that no institutional/engineering controls be instituted at the site, no operation and maintenance or monitoring component be required at the site, and that the site be considered cleaned to unrestricted use.

CERTIFICATION

I certify that, based on documentation provided to me by Broome County, the RAP was implemented and that all construction activities were completed substantially in accordance with the NYSDEC-approved RAP. Additionally, I certify that RAFR activities were personally witnessed by me or a person under my direct supervision.



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

Christopher D. Engler, P.E.
Sr. Managing Engineer

If you have any questions in regards to this RAFR, please do not hesitate to contact Mr. Richard Kumpon at 770-0908, Ext. 25, or me at Ext. 12.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

Christopher D. Engler

Christopher D. Engler, P.E.
Sr. Managing Engineer

RMK/rmk
Attachments

cc: Mr. Robert Denz, Broome County Department of Health
Mr. Patrick Hogan, Broome County Department of Public Works
Mr. Geoffrey Lacetti, New York State Department of Health
Mr. James Burke, New York State Department of Environmental Conservation
Ms. Mary Jane Peachey, New York State Department of Environmental Conservation
Mr. David Smith, New York State Department of Environmental Conservation
Mr. Richard Kumpon, O'Brien & Gere
Mr. Douglas Warneck, P.E., O'Brien & Gere

TABLE 1

Soil Analytical Data Summary

TABLE 1 - SOIL ANALYTICAL DATA SUMMARY

September 2004 Sampling (Units in mg/kg Dry Weight)

Sample	As	Cu	Pb
RSCO	12*	50*	300/400**
A-NORTH	12.3	29.2	385
A-SOUTH	7.2	25.9	332
B-SRF-01	10.6	18.1	29.2
B-SRF-02	10.9	17.6	62.4
B-SRF-03	9	17.4	129
B-SRF-04	7.2	14.8	123
B-SRF-05	8.8	19.6	141
B-SRF-06	9.7	27.9	129
B-SRF-07	11.5	25.5	24.3
B-SRF-08	8.5	15.9	29.9
B-SRF-09	9.6	20.7	34.4
B-SRF-10	11.4	25.6	215
B-SRF-11	13.6	24.6	224
B-SRF-12	7	19.6	118
B-SRF-13	9.2	24.8	124
B-SRF-14	10.6	26.3	166
B-SRF-15	10.2	18	38.3
B-SRF-16	10.5	27.1	212
B-SRF-17	16.3	33.8	221
B-SRF-18	8.9	24.2	200
B-SRF-19	9.4	26.6	136
B-SRF-20	9.1	23.3	172
B-SRF-21	14.2	28	169
F-SRF-22	8.8	17.7	12.5
F-SRF-23	9	23.2	249
F-SRF-24	12.4	21	34.5
F-SRF-25	9.7	22.7	127
F-SRF-26	8.7	29.2	310
F-SRF-27	4.5	22.8	84.9
F-SRF-28	9.3	18.1	58.8
F-SRF-29	9.8	23.4	62.4
F-SRF-30	8.9	27.7	78.6
F-SRF-31	7.5	22.2	92.6
F-SRF-32	10.4	21.6	85.2
F-SRF-33	8.4	18	20.1
F-SRF-34	9.8	31.8	111
F-SRF-35	9	23.6	102

Sample	As	Cu	Pb
RSCO	12*	50*	300/400**
F-SRF-36	8.8	22.5	97.9
F-SRF-37	9.5	22.5	106
F-SRF-38	11.1	24.1	110
F-SRF-39	9	26.8	70.4
F-SRF-40	8.3	21.6	83.5
F-SRF-41	11.3	24.2	91.8
F-SRF-42	10.3	22.7	132
F-SRF-43	9.4	24	321
F-SRF-44	10.7	25.9	201
F-SRF-45	10.5	24.9	151
F-SRF-46	9.3	23.7	147
F-SRF-47	10.3	21.5	88.8
F-SRF-48	11.8	26.6	127
P-49	7.5	14.3	29.7
P-50	9.8	13.3	31.8
B-SUB-02	9.9	21.4	86.4
B-SUB-04	9.3	20.8	11.9
B-SUB-06	14.5	26.5	23.8
B-SUB-10	13.3	18.9	64.1
B-SUB-12	9.4	24.6	126
B-SUB-14	9.5	23	49.5
B-SUB-16	10.8	27.3	187
B-SUB-18	7.7	19.6	77.5
B-SUB-20	9.6	25.2	189
F-SUB-23	10.2	18	64.6
F-SUB-25	10.8	28	29.7
F-SUB-27	8.5	256	247
F-SUB-29	9.9	26.7	16.1
F-SUB-31	12.2	27.6	19.5
F-SUB-33	10.5	20.8	15.4
F-SUB-35	11.2	22	17.4
F-SUB-37	10	23.8	102
F-SUB-39	13.4	21.7	14.2
F-SUB-41	11.5	27.8	71.5
F-SUB-42	9.8	21.1	14.2
F-SUB-44	14.5	25.1	16.1
F-SUB-47	10.9	22.7	88.1

TABLE 1 - SOIL ANALYTICAL DATA SUMMARY

September 2004 Sampling (Units in mg/kg Dry Weight)

Sample	As	Cu	Pb
RSCO	**12***	**50***	**300/400****
A-SRF-01	9.2	15	26
A-SRF-02	11	17	28
A-SRF-03	7.7	18	22
A-SRF-04	9	25	21
A-SRF-05	9.3	25	190

As - Arsenic
Cu - Copper
Pb - Lead

Samples beginning with "A" are considered ambient/background samples.

"RSCO" - New York State Recommended Soil Cleanup Objectives for Metals

"SB" - Site Background

*RSCO for As and Cu are "7.5 or SB" and "25 or SB," respectively.
Eastern U.S. Background (SB) for As and Cu are "3-12" and "1-50," respectively

**Site-specific cleanup level, as determined by NYSDEC.
(Maximum Average: 300 mg/kg; No "Peaks" >400 mg/kg)

Shaded values indicate the results exceeded the "RSCO."

TABLE 2

Sediment Analytical Data Summary

TABLE 2 - SEDIMENT ANALYTICAL DATA SUMMARY

September 2004 Sampling (Units in mg/kg Dry Weight)

Sample Location	As	Cu	Pb
Lowest Effect Level	**6**	**16**	**31**
SED-51	11	23.6	50.3
SED-52	8	13	18
SED-53	13.1	21.1	38.7
SED-54	8.7	14.6	19.4
SED-55	10.5	14.9	18.7
SED-56	10.5	20.7	64.1

November 2004 Additional Sampling (Units in mg/kg Dry Weight)
(Ambient/Background Locations)

Sample Location	As	Cu	Pb
Lowest Effect Level	**6**	**16**	**31**
SED-57	32	18	51
SED-58	16	23	38
SED-59	16	23	46
SED-60	6.4	28	12
SED-61	19	27	85
SED-62	20	21	46

As - Arsenic
Cu - Copper
Pb - Lead

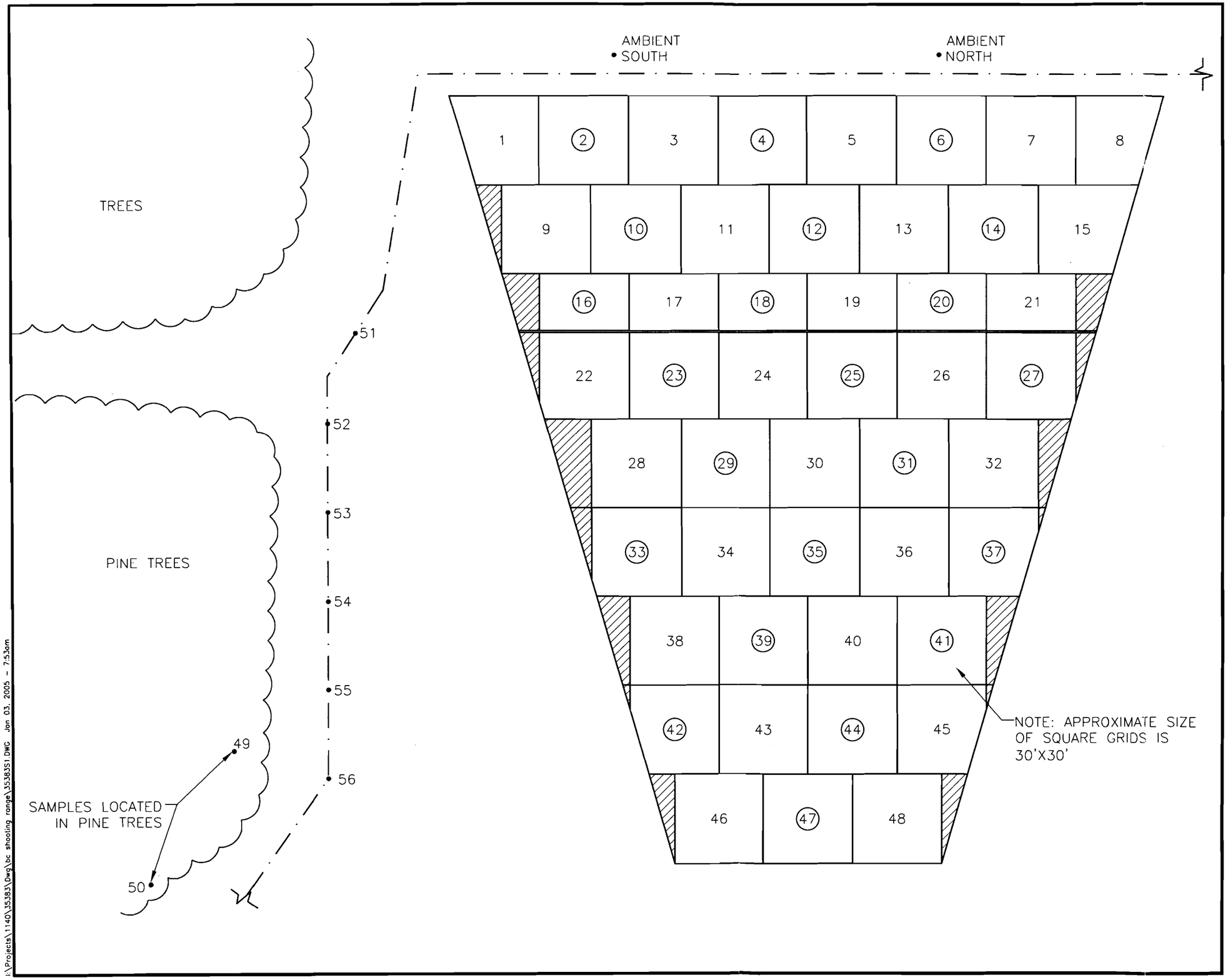
"Lowest Effect Level" - New York State Sediment Criteria Lowest Effect Levels for Metals

Shaded values indicate the results exceeded the "Lowest Effect Level."

FIGURE 1

Firing Range Sample Location Map

FIGURE 1



LEGEND

APPROXIMATE SURFACE SOIL/SEDIMENT SAMPLE LOCATION

(#) APPROXIMATE SUBSURFACE SOIL SAMPLE LOCATION

SWALE

BROOME COUNTY
SHOOTING RANGE
DICKINSON, NEW YORK

FIRING RANGE SAMPLE LOCATION MAP

1/32"=1'-0"

16 0 32

APPROXIMATE SCALE IN FEET

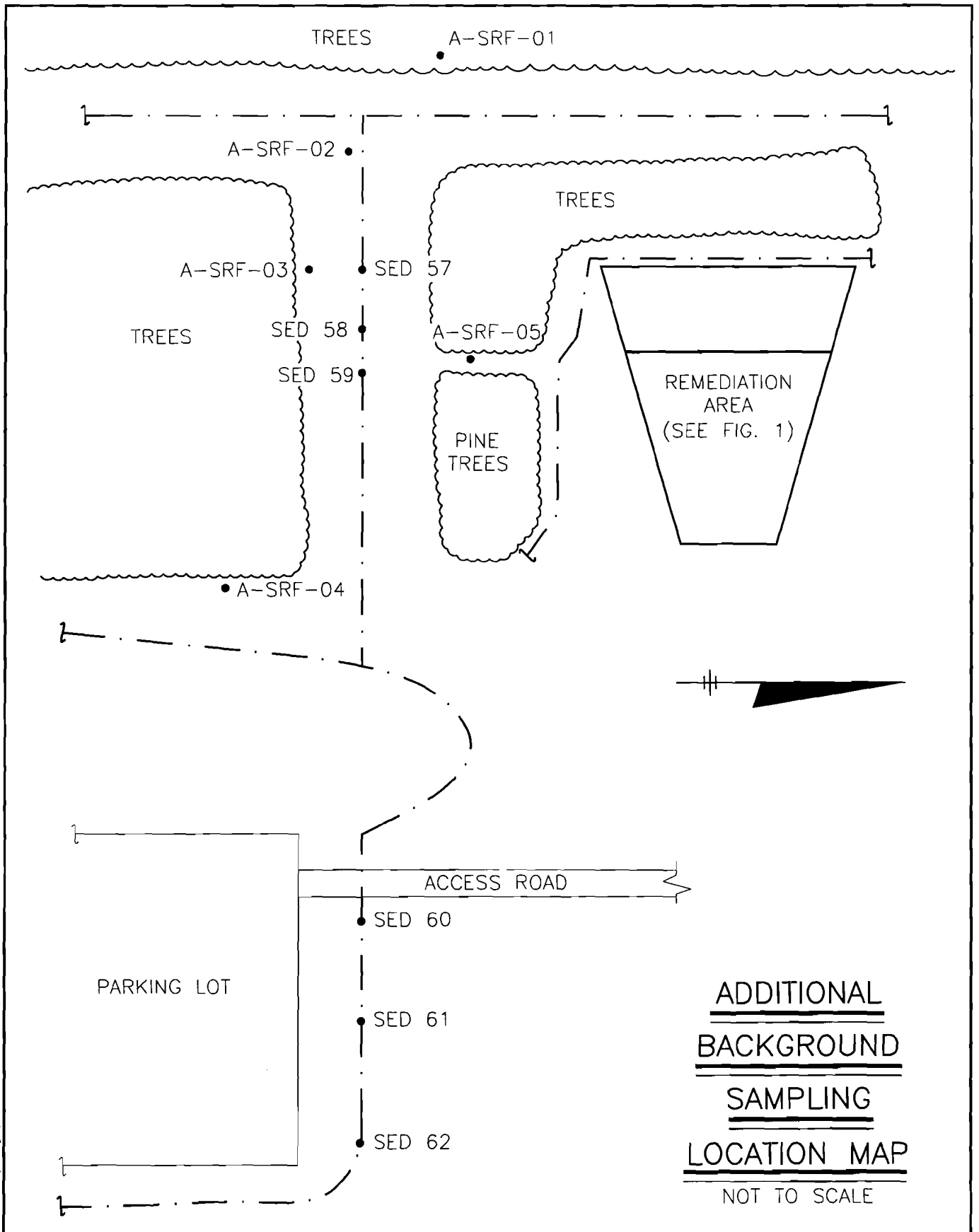
FILE NO. 1140.35383.35383S1
SEPTEMBER, 2004

O'BRIEN & GERE
ENGINEERS INC.

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FIGURE 2

Additional Background Sample Location Map



ADDITIONAL BACKGROUND SAMPLING LOCATION MAP

NOT TO SCALE

O'BRIEN & GERE ENGINEERS INC.

FIGURE 2
BROOME COUNTY SHOOTING RANGE
DICKINSON, NEW YORK

FILE NO.	35383.35383S2
DATE	NOVEMBER 2004
DWG NO.	35382S2

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ATTACHMENT A

Verification Letter from Broome County

Broome County Department of Public Works - Engineer
Barbara J. Fiala, Broome County Executive
David M. Donoghue P.E., Dep
Commissioner

Broome County Office Building · 44 Hawley Street · P.O. Box 1766 · Binghamton, New York, 13902
(607) 778-2909 · Fax (607) 778-6051 · Website: www.gobroomecounty.com

March 4, 2005

Mr. Richard Kumpon
O'Brien & Gere Engineers, Inc.
441 Commerce Road
Vestal, New York 13850

Subject: Former Broome County Shooting Range

Dear Mr. Kumpon;

This letter is to confirm that the NYSDEC-approved Broome County Shooting Range Remedial Action Work Plan (RAWP) was implemented and that remedial construction activities conducted at the site were witnessed by County employees, and the activities were conducted and substantially completed in accordance with the RAWP.

If you should have any further questions or comments, please feel free to contact me at (607) 778-2449.

Sincerely
Broome County DPW, Engineering

Patrick Hogan
Engineer I

ATTACHMENT B

Remedial Activity Photographs

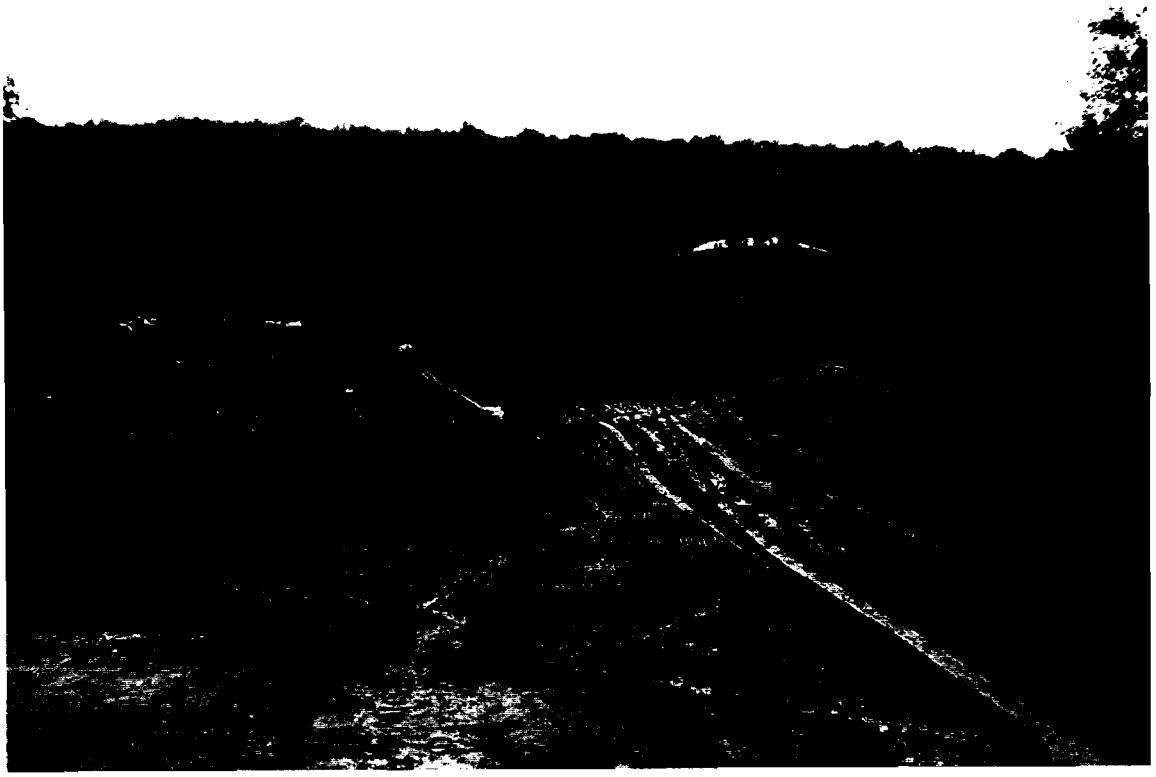

kobelco







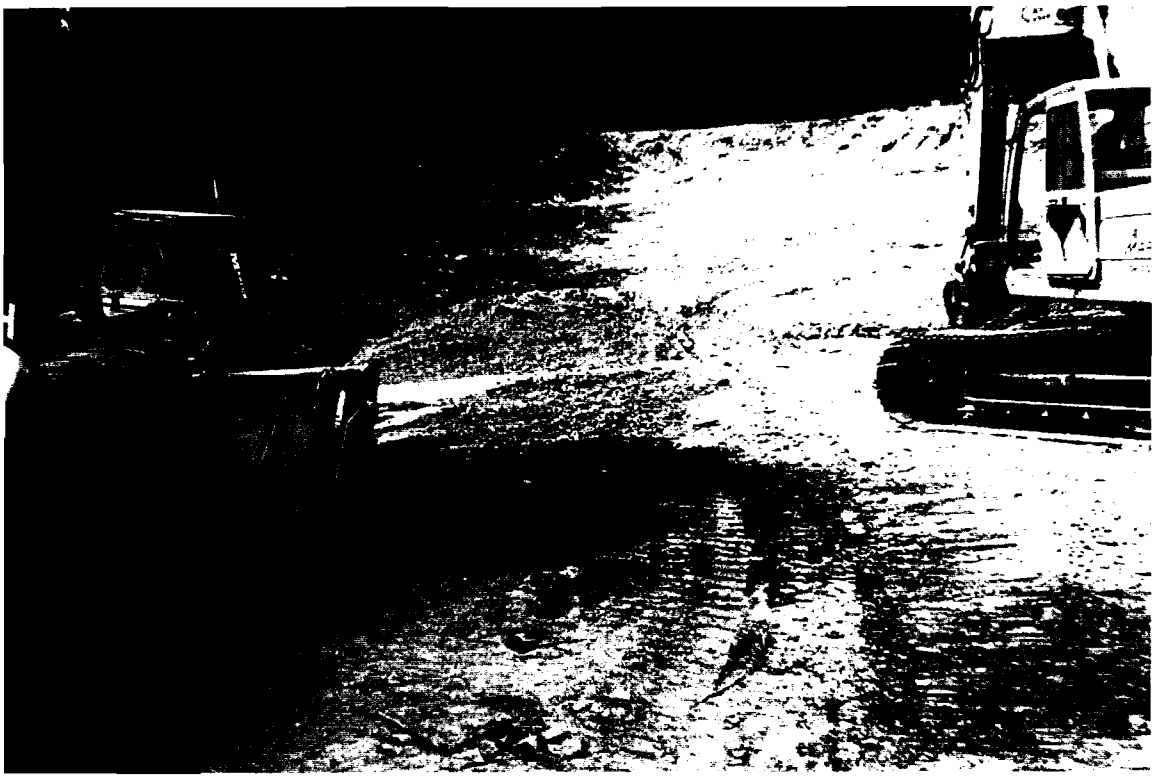


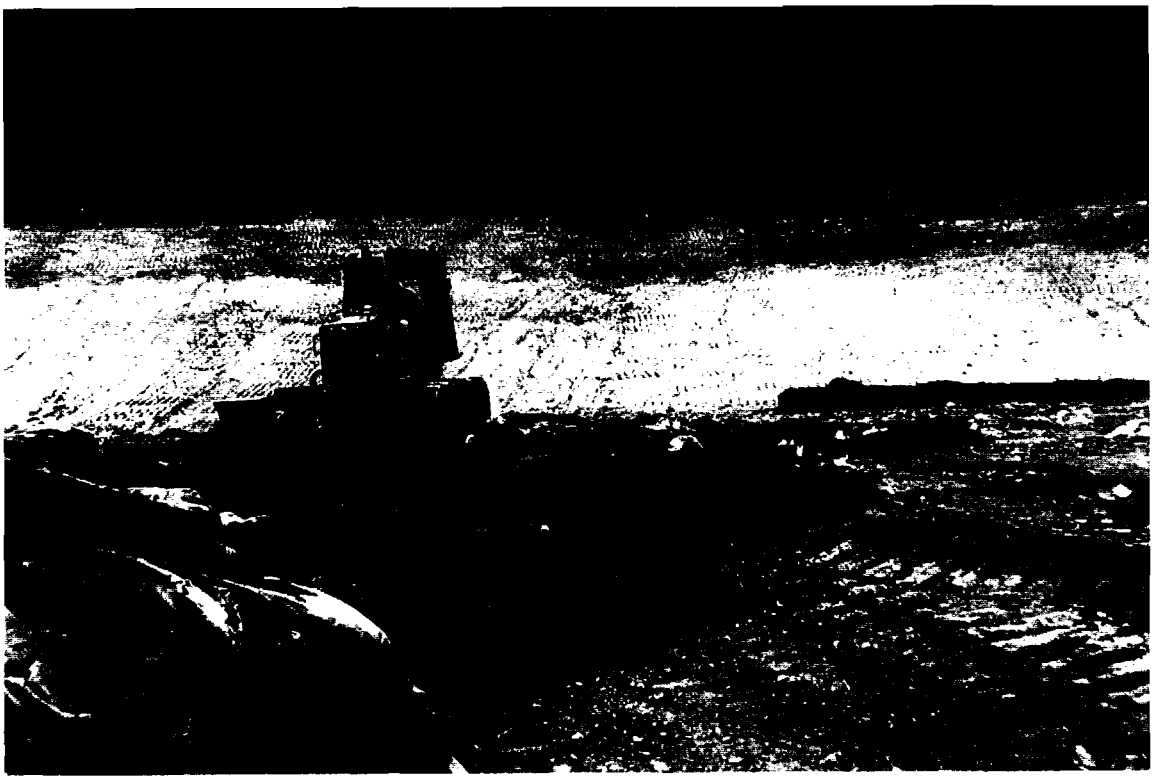


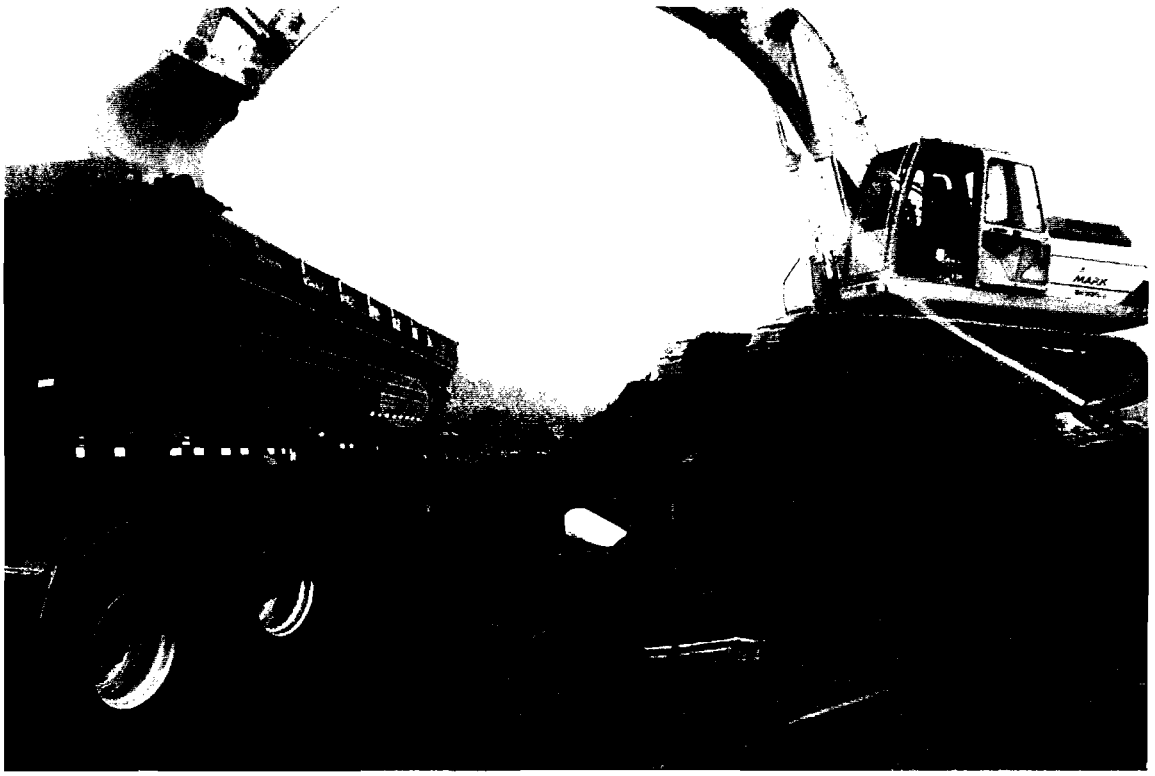











MARK

ATTACHMENT C

Soil Analytical Results
from Sampling in September 2004

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7359
Sample Description: A NORTH SRF
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 73.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	12.3		6010	.28	.68	10/12/04	10/12/04	101204S1	1	
Copper	29.2		6010	.13	1.4	10/12/04	10/12/04	101204S1	1	
Lead	385.	J	6010	.076	.68	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7360
Sample Description: A SOUTH SRF
Units: mg/Kg Dry weight DW

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 65.4
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	7.2		6010	.32	.76	10/13/04	10/15/04	101304S1	1	
Copper	25.9		6010	.14	1.5	10/13/04	10/15/04	101304S1	1	
Lead	332.	J	6010	.086	.76	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7379
Sample Description: B-SRF-01
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 80.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.6		6010	.26	.62	10/13/04	10/15/04	101304S1	1	
Copper	18.1		6010	.12	1.2	10/13/04	10/15/04	101304S1	1	
Lead	29.2	J	6010	.069	.62	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7378
Sample Description: B-SRF-02
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 80.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.9		6010	.26	.62	10/13/04	10/15/04	101304S1	1	
Copper	17.6		6010	.12	1.2	10/13/04	10/15/04	101304S1	1	
Lead	62.4	J	6010	.069	.62	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7377
Sample Description: B-SRF-03
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 77.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.0		6010	.27	.64	10/13/04	10/15/04	101304S1	1	
Copper	17.4		6010	.12	1.3	10/13/04	10/15/04	101304S1	1	
Lead	129.	J	6010	.072	.64	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7376
Sample Description: B-SRF-04
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 79.2
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	7.2		6010	.27	.63	10/13/04	10/15/04	101304S1	1	
Copper	14.8		6010	.12	1.3	10/13/04	10/15/04	101304S1	1	
Lead	123.	J	6010	.071	.63	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7375
Sample Description: B-SRF-05
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 75.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.8		6010	.28	.66	10/13/04	10/15/04	101304S1	1	
Copper	19.6		6010	.12	1.3	10/13/04	10/15/04	101304S1	1	
Lead	141.	J	6010	.074	.66	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7374
Sample Description: B-SRF-06
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 83.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.7		6010	.25	.60	10/13/04	10/15/04	101304S1	1	
Copper	27.9		6010	.11	1.2	10/13/04	10/15/04	101304S1	1	
Lead	129.	J	6010	.067	.60	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7373
Sample Description: B-SRF-07
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 84.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	11.5		6010	.25	.60	10/13/04	10/15/04	101304S1	1	
Copper	25.5		6010	.11	1.2	10/13/04	10/15/04	101304S1	1	
Lead	24.3	J	6010	.067	.60	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7372
Sample Description: B-SRF-08
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 79.1
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.5		6010	.27	.63	10/13/04	10/15/04	101304S1	1	
Copper	15.9		6010	.12	1.3	10/13/04	10/15/04	101304S1	1	
Lead	29.9	J	6010	.071	.63	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7371
Sample Description: B-SRF-09
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 85.5
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.6		6010	.25	.58	10/13/04	10/15/04	101304S1	1	
Copper	20.7		6010	.11	1.2	10/13/04	10/15/04	101304S1	1	
Lead	34.4	J	6010	.065	.58	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7370
Sample Description: B-SRF-10
Units: mg/Kg Dry weight

Job No.: 3435.235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 82.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	11.4		6010	.25	.60	10/13/04	10/15/04	101304S1	1	
Copper	25.6		6010	.11	1.2	10/13/04	10/15/04	101304S1	1	
Lead	215.	J	6010	.068	.60	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7369
Sample Description: B-SRF-11
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 80.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	13.6		6010	.26	.62	10/13/04	10/15/04	101304S1	1	
Copper	24.6		6010	.12	1.2	10/13/04	10/15/04	101304S1	1	
Lead	224.	J	6010	.069	.62	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7368
Sample Description: B-SRF-12
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 66.5
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	7.0		6010	.32	.75	10/13/04	10/15/04	101304S1	1	
Copper	19.6		6010	.14	1.5	10/13/04	10/15/04	101304S1	1	
Lead	118.	J	6010	.084	.75	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7367
Sample Description: B-SRF-13
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 83.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.2		6010	.25	.60	10/13/04	10/15/04	101304S1	1	
Copper	24.8		6010	.11	1.2	10/13/04	10/15/04	101304S1	1	
Lead	124.	J	6010	.067	.60	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7366
Sample Description: B-SRF-14
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 76.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.6		6010	.28	.66	10/13/04	10/15/04	101304S1	1	
Copper	26.3		6010	.12	1.3	10/13/04	10/15/04	101304S1	1	
Lead	166.	J	6010	.074	.66	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7365
Sample Description: B-SRF-15
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 81.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.2		6010	.26	.62	10/13/04	10/15/04	101304S1	1	
Copper	18.		6010	.12	1.2	10/13/04	10/15/04	101304S1	1	
Lead	38.3	J	6010	.069	.62	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7364
Sample Description: B-SRF-16
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 80.8
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.5		6010	.26	.62	10/13/04	10/15/04	101304S1	1	
Copper	27.1		6010	.12	1.2	10/13/04	10/15/04	101304S1	1	
Lead	212.	J	6010	.069	.62	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7363
Sample Description: B-SRF-17
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 78.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	16.3		6010	.27	.64	10/13/04	10/15/04	101304S1	1	
Copper	33.8		6010	.12	1.3	10/13/04	10/15/04	101304S1	1	
Lead	221.	J	6010	.072	.64	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7362
Sample Description: B-SRF-18
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 80.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.9		6010	.26	.62	10/13/04	10/15/04	101304S1	1	
Copper	24.2		6010	.12	1.2	10/13/04	10/15/04	101304S1	1	
Lead	200.	J	6010	.070	.62	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7361
Sample Description: B-SRF-19
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 76.5
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.4		6010	.27	.65	10/13/04	10/15/04	101304S1	1	
Copper	26.6		6010	.12	1.3	10/13/04	10/15/04	101304S1	1	
Lead	136.	J	6010	.073	.65	10/13/04	10/15/04	101304S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7358
Sample Description: F-SRF-20
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 78.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.1		6010	.27	.63	10/12/04	10/12/04	101204S1	1	
Copper	23.3		6010	.12	1.3	10/12/04	10/12/04	101204S1	1	
Lead	172.	J	6010	.071	.63	10/12/04	10/12/04	101204S1	1	

Notes:

Authorized: Thomas Alexander
Date: October 19, 2004

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7357
Sample Description: F-SRF-21
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 80.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	14.2		6010	.26	.62	10/12/04	10/12/04	101204S1	1	
Copper	28.		6010	.12	1.2	10/12/04	10/12/04	101204S1	1	
Lead	169.	J	6010	.069	.62	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7356
Sample Description: F-SRF-22
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 86.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.8		6010	.24	.58	10/12/04	10/12/04	101204S1	1	
Copper	17.7		6010	.11	1.2	10/12/04	10/12/04	101204S1	1	
Lead	12.5	J	6010	.064	.58	10/12/04	10/12/04	101204S1	1	

Notes:

Authorized: _____
Date: October 19, 2004 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7355
Sample Description: F-SRF-23
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 85.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.0		6010	.25	.58	10/12/04	10/12/04	101204S1	1	
Copper	23.2		6010	.11	1.2	10/12/04	10/12/04	101204S1	1	
Lead	249.	J	6010	.065	.58	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7354
Sample Description: F-SRF-24 DW
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04 Matrix: Solid
Received: 09/28/04 %Solids: 82.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	12.4		6010	.25	.60	10/12/04	10/12/04	101204S1	1	
Copper	21.		6010	.11	1.2	10/12/04	10/12/04	101204S1	1	
Lead	34.5	J	6010	.068	.60	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7353
Sample Description: F-SRF-25
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 88.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.7		6010	.24	.57	10/12/04	10/12/04	101204S1	1	
Copper	22.7		6010	.11	1.1	10/12/04	10/12/04	101204S1	1	
Lead	127.	J	6010	.064	.57	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7352
Sample Description: F-SRF-26
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 82.2
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.7		6010	.26	.61	10/12/04	10/12/04	101204S1	1	
Copper	29.2		6010	.11	1.2	10/12/04	10/12/04	101204S1	1	
Lead	310.	J	6010	.068	.61	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7351
Sample Description: F-SRF-27
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 56.8
Number of analytes: 3

DW

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	4.5		6010	.37	.88	10/12/04	10/12/04	101204S1	1	
Copper	22.8	J	6010	.17	1.8	10/12/04	10/12/04	101204S1	1	
Lead	84.9		6010	.099	.88	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7350
Sample Description: F-SRF-28
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 83.3
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.3		6010	.25	.60	10/12/04	10/12/04	101204S1	1	
Copper	18.1	J	6010	.11	1.2	10/12/04	10/12/04	101204S1	1	
Lead	58.8		6010	.067	.60	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7349
Sample Description: F-SRF-29
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 89.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.8		6010	.24	.56	10/12/04	10/12/04	101204S1	1	
Copper	23.4		6010	.11	1.1	10/12/04	10/12/04	101204S1	1	
Lead	62.4	J	6010	.063	.56	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7348
Sample Description: F-SRF-30
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 92.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.9		6010	.23	.54	10/12/04	10/12/04	101204S1	1	
Copper	27.7		6010	.10	1.1	10/12/04	10/12/04	101204S1	1	
Lead	78.6	J	6010	.061	.54	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7347
Sample Description: F-SRF-31
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 82.8
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	7.5		6010	.25	.60	10/12/04	10/12/04	101204S1	1	
Copper	22.2		6010	.11	1.2	10/12/04	10/12/04	101204S1	1	
Lead	92.6	J	6010	.068	.60	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7346
Sample Description: F-SRF-32
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 84.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.4		6010	.25	.59	10/12/04	10/12/04	101204S1	1	
Copper	21.6		6010	.11	1.2	10/12/04	10/12/04	101204S1	1	
Lead	85.2	J	6010	.066	.59	10/12/04	10/12/04	101204S1	1	

Notes:

Authorized: Thomas Alexander
Date: October 19, 2004

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7344
Sample Description: F-SRF-33
Units: mg/Kg Dry weight

Job No.: 3435.235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 87.4
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.4		6010	.24	.57	10/12/04	10/12/04	101204S1	1	
Copper	18.		6010	.11	1.1	10/12/04	10/12/04	101204S1	1	
Lead	20.1	J	6010	.064	.57	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7345
Sample Description: F-SRF-33 DUP DV
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 84.5
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.0		6010	.25	.59	10/12/04	10/12/04	101204S1	1	
Copper	18.2		6010	.11	1.2	10/12/04	10/12/04	101204S1	1	
Lead	30.1	J	6010	.066	.59	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7343
Sample Description: F-SRF-34
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 90.3
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.8		6010	.23	.55	10/12/04	10/12/04	101204S1	1	
Copper	31.8	J	6010	.10	1.1	10/12/04	10/12/04	101204S1	1	
Lead	111.		6010	.062	.55	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7342
Sample Description: F-SRF-35
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 82.8
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.0		6010	.25	.60	10/12/04	10/12/04	101204S1	1	
Copper	23.6		6010	.11	1.2	10/12/04	10/12/04	101204S1	1	
Lead	102.	J	6010	.068	.60	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7341
Sample Description: F-SRF-36
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 92.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.8		6010	.23	.54	10/12/04	10/12/04	101204S1	1	
Copper	22.5		6010	.10	1.1	10/12/04	10/12/04	101204S1	1	
Lead	97.9	J	6010	.061	.54	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7340
Sample Description: F-SRF-37
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 88.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.5		6010	.24	.56	10/12/04	10/12/04	101204S1	1	
Copper	22.5		6010	.11	1.1	10/12/04	10/12/04	101204S1	1	
Lead	106.	J	6010	.063	.56	10/12/04	10/12/04	101204S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7339
Sample Description: F-SRF-38
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 87.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	11.1		6010	.24	.57	10/11/04	10/12/04	101104S2	1	
Copper	24.1		6010	.11	1.1	10/11/04	10/12/04	101104S2	1	
Lead	110.	J	6010	.064	.57	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7338
Sample Description: F-SRF-39
Units: mg/Kg Dry weight

Job No.: 3435.235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 85.6
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.0		6010	.25	.58	10/11/04	10/12/04	101104S2	1	
Copper	26.8		6010	.11	1.2	10/11/04	10/12/04	101104S2	1	
Lead	70.4	J	6010	.065	.58	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7337
Sample Description: F-SRF-40
Units: mg/Kg Dry weight DW

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04 Matrix: Solid
Received: 09/28/04 %Solids: 91.2
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.3		6010	.23	.55	10/11/04	10/12/04	101104S2	1	
Copper	21.6		6010	.10	1.1	10/11/04	10/12/04	101104S2	1	
Lead	83.5	J	6010	.061	.55	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7336
Sample Description: F-SRF-41
Units: mg/Kg Dry weight

DV

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 88.1
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	11.3		6010	.24	.57	10/11/04	10/12/04	101104S2	1	
Copper	24.2		6010	.11	1.1	10/11/04	10/12/04	101104S2	1	
Lead	91.8	J	6010	.064	.57	10/11/04	10/12/04	101104S2	1	

Notes:

Thomas A Alexander

Authorized: _____
Date: October 19, 2004 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7335
Sample Description: F-SRF-42
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 85.6
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.3		6010	.25	.58	10/11/04	10/12/04	101104S2	1	
Copper	22.7		6010	.11	1.2	10/11/04	10/12/04	101104S2	1	
Lead	132.	J	6010	.065	.58	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7334
Sample Description: F-SRF-43 DW
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 87.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.4		6010	.24	.57	10/11/04	10/12/04	101104S2	1	
Copper	24.		6010	.11	1.1	10/11/04	10/12/04	101104S2	1	
Lead	321.	J	6010	.064	.57	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7333
Sample Description: F-SRF-44
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 93.2
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.7		6010	.23	.54	10/11/04	10/12/04	101104S2	1	
Copper	25.9		6010	.10	1.1	10/11/04	10/12/04	101104S2	1	
Lead	201.	J	6010	.060	.54	10/11/04	10/12/04	101104S2	1	

Notes:

Authorized: Thomas Alexander
Date: October 19, 2004

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7332
Sample Description: F-SRF-45
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 89.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.5		6010	.23	.56	10/11/04	10/12/04	101104S2	1	
Copper	24.9		6010	.10	1.1	10/11/04	10/12/04	101104S2	1	
Lead	151.	J	6010	.062	.56	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7331
Sample Description: F-SRF-46
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 84.8
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.3		6010	.25	.59	10/11/04	10/12/04	101104S2	1	
Copper	23.7		6010	.11	1.2	10/11/04	10/12/04	101104S2	1	
Lead	147.	J	6010	.066	.59	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7330
Sample Description: F-SRF-47 DW
Units: mg/Kg Dry weight

Job No.: 3435.235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 92.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.3		6010	.23	.54	10/11/04	10/12/04	101104S2	1	
Copper	21.5		6010	.10	1.1	10/11/04	10/12/04	101104S2	1	
Lead	88.8	J	6010	.061	.54	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7329
Sample Description: F-SRF-48 DW
Units: mg/Kg Dry weight

Job No.: 3435 . 235 .62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 91.6
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	11.8		6010	.23	.55	10/11/04	10/12/04	101104S2	1	
Copper	26.6		6010	.10	1.1	10/11/04	10/12/04	101104S2	1	
Lead	127.	J	6010	.061	.55	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7327
Sample Description: P49
Units: mg/Kg Dry weight

Job No.: 3435.235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 80.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	7.5		6010	.26	.62	10/11/04	10/12/04	101104S2	1	
Copper	14.3		6010	.12	1.2	10/11/04	10/12/04	101104S2	1	
Lead	29.7	J	6010	.070	.62	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7328
Sample Description: P50
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 77.8
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.8		6010	.27	.64	10/11/04	10/12/04	101104S2	1	
Copper	13.3	J	6010	.12	1.3	10/11/04	10/12/04	101104S2	1	
Lead	31.8		6010	.072	.64	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7380
Sample Description: B-SUB-02
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 79.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.9		6010	.26	.63	10/13/04	10/15/04	101304S2	1	
Copper	21.4		6010	.12	1.3	10/13/04	10/15/04	101304S2	1	
Lead	86.4	J	6010	.070	.63	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
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Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7381
Sample Description: B-SUB-04
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 89.1
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.3		6010	.24	.56	10/13/04	10/15/04	101304S2	1	
Copper	20.8		6010	.11	1.1	10/13/04	10/15/04	101304S2	1	
Lead	11.9	J	6010	.063	.56	10/13/04	10/15/04	101304S2	1	

Notes:

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E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7382
Sample Description: B-SUB-06
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/22/04
Received: 09/28/04

Matrix: Solid
%Solids: 90.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	14.5		6010	.23	.56	10/13/04	10/15/04	101304S2	1	
Copper	26.8		6010	.10	1.1	10/13/04	10/15/04	101304S2	1	
Lead	23.8	J	6010	.062	.56	10/13/04	10/15/04	101304S2	1	

Notes:

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J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9020
Sample: E7403
Sample Description: B-SUB-10
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 89.4
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	13.3		6010	.23	.56	10/13/04	10/15/04	101304S3	1	
Copper	18.9		6010	.11	1.1	10/13/04	10/15/04	101304S3	1	
Lead	64.1	J	6010	.063	.56	10/13/04	10/15/04	101304S3	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9020
Sample: E7402
Sample Description: B-SUB-12
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 79.4
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.4		6010	.26	.63	10/13/04	10/15/04	101304S3	1	
Copper	24.6		6010	.12	1.3	10/13/04	10/15/04	101304S3	1	
Lead	126.	J	6010	.071	.63	10/13/04	10/15/04	101304S3	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9020
Sample: E7401
Sample Description: B-SUB-14
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 88.6
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.5		6010	.24	.56	10/13/04	10/15/04	101304S3	1	
Copper	23.		6010	.11	1.1	10/13/04	10/15/04	101304S3	1	
Lead	49.5		6010	.063	.56	10/13/04	10/15/04	101304S3	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7397
Sample Description: B-SUB-16
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 82.6
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.8		6010	.25	.61	10/13/04	10/15/04	101304S3	1	
Copper	27.3		6010	.11	1.2	10/13/04	10/15/04	101304S3	1	
Lead	187.		6010	.068	.61	10/13/04	10/15/04	101304S3	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7398
Sample Description: B-SUB-18
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 81.8
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	7.7		6010	.26	.61	10/13/04	10/15/04	101304S3	1	
Copper	19.6		6010	.11	1.2	10/13/04	10/15/04	101304S3	1	
Lead	77.5	J	6010	.068	.61	10/13/04	10/15/04	101304S3	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7399
Sample Description: B-SUB-18 DUP
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 84.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.6		6010	.25	.60	10/13/04	10/15/04	101304S3	1	
Copper	20.4		6010	.11	1.2	10/13/04	10/15/04	101304S3	1	
Lead	80.3	J	6010	.067	.60	10/13/04	10/15/04	101304S3	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9020
Sample: E7400
Sample Description: B-SUB-20
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 82.8
Number of analytes: 3

DW

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.6		6010	.25	.60	10/13/04	10/15/04	101304S3	1	
Copper	25.2		6010	.11	1.2	10/13/04	10/15/04	101304S3	1	
Lead	189.	J	6010	.068	.60	10/13/04	10/15/04	101304S3	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7396
Sample Description: F-SUB-23
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 89.4
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.2		6010	.23	.56	10/13/04	10/15/04	101304S2	1	
Copper	18.		6010	.11	1.1	10/13/04	10/15/04	101304S2	1	
Lead	64.6	J	6010	.063	.56	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7395
Sample Description: F-SUB-25
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 88.8
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.8		6010	.24	.56	10/13/04	10/15/04	101304S2	1	
Copper	28.		6010	.11	1.1	10/13/04	10/15/04	101304S2	1	
Lead	29.7	J	6010	.063	.56	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7394
Sample Description: F-SUB-27
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 77.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.5		6010	.27	.64	10/13/04	10/15/04	101304S2	1	
Copper	256.		6010	.12	1.3	10/13/04	10/15/04	101304S2	1	
Lead	247.		6010	.072	.64	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7392
Sample Description: F-SUB-29
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 89.3
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.9		6010	.24	.56	10/13/04	10/15/04	101304S2	1	
Copper	26.7		6010	.11	1.1	10/13/04	10/15/04	101304S2	1	
Lead	16.1	J	6010	.063	.56	10/13/04	10/15/04	101304S2	1	

Notes:

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J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7393
Sample Description: F-SUB-31
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 81.8
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	12.2		6010	.26	.61	10/13/04	10/15/04	101304S2	1	
Copper	27.6		6010	.11	1.2	10/13/04	10/15/04	101304S2	1	
Lead	19.5	J	6010	.068	.61	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7391
Sample Description: F-SUB-33
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 85.8
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.5		6010	.24	.58	10/13/04	10/15/04	101304S2	1	
Copper	20.8		6010	.11	1.2	10/13/04	10/15/04	101304S2	1	
Lead	15.4		6010	.065	.58	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7390
Sample Description: F-SUB-35
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 88.5
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	11.2		6010	.24	.56	10/13/04	10/15/04	101304S2	1	
Copper	22.		6010	.11	1.1	10/13/04	10/15/04	101304S2	1	
Lead	17.4	J	6010	.063	.56	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
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E - Concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: October 19, 2004 Thomas Alexander

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Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7389
Sample Description: F-SUB-37
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 84.2
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.		6010	.25	.59	10/13/04	10/15/04	101304S2	1	
Copper	23.8		6010	.11	1.2	10/13/04	10/15/04	101304S2	1	
Lead	102.		6010	.067	.59	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Date: October 19, 2004 Thomas Alexander

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Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7387
Sample Description: F-SUB-39
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 90.8
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	13.4		6010	.23	.55	10/13/04	10/15/04	101304S2	1	
Copper	21.7		6010	.10	1.1	10/13/04	10/15/04	101304S2	1	
Lead	14.2	J	6010	.062	.55	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7388
Sample Description: F-SUB-41
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 86.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	11.5		6010	.24	.58	10/13/04	10/15/04	101304S2	1	
Copper	27.8		6010	.11	1.2	10/13/04	10/15/04	101304S2	1	
Lead	71.5	J	6010	.065	.58	10/13/04	10/15/04	101304S2	1	

Notes:

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U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7384
Sample Description: F-SUB-42
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 87.3
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.8		6010	.24	.57	10/13/04	10/15/04	101304S2	1	
Copper	21.1		6010	.11	1.1	10/13/04	10/15/04	101304S2	1	
Lead	14.2	J	6010	.064	.57	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7385
Sample Description: F-SUB-44
Units: mg/Kg Dry weight

Job No.: 3435 . 235 .62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 90.1
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	14.5		6010	.23	.55	10/13/04	10/15/04	101304S2	1	
Copper	25.1		6010	.10	1.1	10/13/04	10/15/04	101304S2	1	
Lead	16.1	J	6010	.062	.55	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
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E - Concentration exceeded the calibration range and is estimated.

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Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7386
Sample Description: F-SUB-44 DUP
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 90.1
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.6		6010	.23	.55	10/13/04	10/15/04	101304S2	1	
Copper	21.4		6010	.10	1.1	10/13/04	10/15/04	101304S2	1	
Lead	15.6	J	6010	.062	.55	10/13/04	10/15/04	101304S2	1	

Notes:

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U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9019
Sample: E7383
Sample Description: F-SUB-47
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Solid
%Solids: 79.3
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.9		6010	.26	.63	10/13/04	10/15/04	101304S2	1	
Copper	22.7		6010	.12	1.3	10/13/04	10/15/04	101304S2	1	
Lead	88.1	J	6010	.071	.63	10/13/04	10/15/04	101304S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9018
Sample: E7326
Samp. Description: SED56

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	81.0		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7327
Samp. Description: P49

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	80.0		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7328
Samp. Description: P50

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	77.8		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 20, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9018
Sample: E7329
Samp. Description: F-SRF-48

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	91.6		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7330
Samp. Description: F-SRF-47

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	92.0		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7331
Samp. Description: F-SRF-46

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	84.8		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 20, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9018
Sample: E7332
Samp. Description: F-SRF-45

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	89.7		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7333
Samp. Description: F-SRF-44

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	93.2		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7334
Samp. Description: F-SRF-43

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	87.9		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 20, 2004 Thomas Alexander

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Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9018
Sample: E7335
Samp. Description: F-SRF-42

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	85.6		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7336
Samp. Description: F-SRF-41

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	88.1		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7337
Samp. Description: F-SRF-40

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	91.2		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 20, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9018
Sample: E7338
Samp. Description: F-SRF-39

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	85.6		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7339
Samp. Description: F-SRF-38

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	87.7		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7340
Samp. Description: F-SRF-37

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	88.7		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 20, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9018
Sample: E7341
Samp. Description: F-SRF-36

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	92.0		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7342
Samp. Description: F-SRF-35

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	82.8		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7343
Samp. Description: F-SRF-34

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	90.3		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9018
Sample: E7344
Samp. Description: F-SRF-33

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	87.4		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7345
Samp. Description: F-SRF-33 DUP

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	84.5		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7346
Samp. Description: F-SRF-32

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	84.7		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Certification NY No.: 10155

Package#: 9018
Sample: E7347
Samp. Description: F-SRF-31

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	82.8		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7348
Samp. Description: F-SRF-30

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	92.0		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7349
Samp. Description: F-SRF-29

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	89.0		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Package#: 9018
Sample: E7350
Samp. Description: F-SRF-28

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	83.3		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7351
Samp. Description: F-SRF-27

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	56.8		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7352
Samp. Description: F-SRF-26

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	82.2		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Package#: 9018
Sample: E7353
Samp. Description: F-SRF-25

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	88.0		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7354
Samp. Description: F-SRF-24

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	82.7		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7355
Samp. Description: F-SRF-23

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	85.7		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Package#: 9018
Sample: E7356
Samp. Description: F-SRF-22

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	86.9		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7357
Samp. Description: F-SRF-21

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	80.9		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

Package#: 9018
Sample: E7358
Samp. Description: F-SRF-20

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	78.9		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Date: October 20, 2004 Thomas Alexander

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Certification NY No.: 10155

Package#: 9018
Sample: E7359
Samp. Description: A NORTH SRF

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	73.9		%	2540-G		1.0	09/30/04	093004S12	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9019
Sample: E7360
Samp. Description: A SOUTH SRF

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	65.4		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7361
Samp. Description: B-SRF-19

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	76.5		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7362
Samp. Description: B-SRF-18

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	80.0		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Package#: 9019
Sample: E7363
Samp. Description: B-SRF-17

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	78.0		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7364
Samp. Description: B-SRF-16

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	80.8		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7365
Samp. Description: B-SRF-15

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	81.0		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Job No.: 3435.235.62301
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Package#: 9019
Sample: E7366
Samp. Description: B-SRF-14

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	76.0		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7367
Samp. Description: B-SRF-13

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	83.0		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7368
Samp. Description: B-SRF-12

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	66.5		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 20, 2004 Thomas Alexander

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Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9019
Sample: E7369
Samp. Description: B-SRF-11

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	80.9		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7370
Samp. Description: B-SRF-10

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	82.9		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7371
Samp. Description: B-SRF-09

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	85.5		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Package#: 9019
Sample: E7372
Samp. Description: B-SRF-08

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	79.1		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7373
Samp. Description: B-SRF-07

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	84.0		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7374
Samp. Description: B-SRF-06

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	83.0		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Package#: 9019
Sample: E7375
Samp. Description: B-SRF-05

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	75.9		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7376
Samp. Description: B-SRF-04

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	79.2		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7377
Samp. Description: B-SRF-03

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	77.9		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A. Alexander
Date: October 20, 2004 Thomas Alexander

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Package#: 9019
Sample: E7378
Samp. Description: B-SRF-02

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	80.9		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7379
Samp. Description: B-SRF-01

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	80.9		%	2540-G		1.0	09/30/04	093004S13	1	

Notes:

Package#: 9019
Sample: E7380
Samp. Description: B-SUB-02

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	79.7		%	2540-G		1.0	10/05/04	100504S12	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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Package#: 9019
Sample: E7381
Samp. Description: B-SUB-04

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	89.1		%	2540-G		1.0	10/05/04	100504S12	1	

Notes:

Package#: 9019
Sample: E7382
Samp. Description: B-SUB-06

Collected: 09/22/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	90.0		%	2540-G		1.0	10/05/04	100504S12	1	

Notes:

Package#: 9019
Sample: E7383
Samp. Description: F-SUB-47

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	79.3		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 20, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9019
Sample: E7384
Samp. Description: F-SUB-42

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	87.3		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9019
Sample: E7385
Samp. Description: F-SUB-44

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	90.1		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9019
Sample: E7386
Samp. Description: F-SUB-44 DUP

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	90.1		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 20, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9019
Sample: E7387
Samp. Description: F-SUB-39

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	90.8		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9019
Sample: E7388
Samp. Description: F-SUB-41

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	86.7		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9019
Sample: E7389
Samp. Description: F-SUB-37

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	84.2		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 20, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9019
Sample: E7390
Samp. Description: F-SUB-35

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	88.5		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9019
Sample: E7391
Samp. Description: F-SUB-33

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	85.8		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9019
Sample: E7392
Samp. Description: F-SUB-29

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	89.3		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 20, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9019
Sample: E7393
Samp. Description: F-SUB-31

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	81.8		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9019
Sample: E7394
Samp. Description: F-SUB-27

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	77.9		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9019
Sample: E7395
Samp. Description: F-SUB-25

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	88.8		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 20, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9019
Sample: E7396
Samp. Description: F-SUB-23

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	89.4		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9019
Sample: E7397
Samp. Description: B-SUB-16

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	82.6		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9019
Sample: E7398
Samp. Description: B-SUB-18

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	81.8		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:
29 : Elevated detection limit due to matrix interference.

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 20, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9019
Sample: E7399
Samp. Description: B-SUB-18 DUP

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	84.0		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 20, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9020
Sample: E7400
Samp. Description: B-SUB-20

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	82.8		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9020
Sample: E7401
Samp. Description: B-SUB-14

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	88.6		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Package#: 9020
Sample: E7402
Samp. Description: B-SUB-12

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	79.4		%	2540-G		1.0	10/05/04	100504S13	1	

Notes:

Thomas Alexander

Authorized: _____
Date: October 20, 2004 Thomas Alexander

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

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O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9020
Sample: E7403
Samp. Description: B-SUB-10

Collected: 09/23/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	89.4		%	2540-G		1.0	10/05/04	100504S15	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 20, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9020
Sample: E7404
Sample Description: EQUIP RINSE #1
Units: mg/L

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Water
%Solids:
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	<.0021	U	6010	.0021	.0050	09/30/04	10/01/04	093004W1	1	
Copper	<.00094	U	6010	.00094	.0100	09/30/04	10/01/04	093004W1	1	
Lead	J .00063	J	6010	.00056	.0050	09/30/04	10/01/04	093004W1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9020
Sample: E7405
Sample Description: EQUIP RINSE #2
Units: mg/L

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Water
%Solids:
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	<.0021	U	6010	.0021	.0050	09/30/04	10/01/04	093004W1	1	
Copper	J .0077	J	6010	.00094	.0100	09/30/04	10/01/04	093004W1	1	
Lead	<.00056	U	6010	.00056	.0050	09/30/04	10/01/04	093004W1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9020
Sample: E7406
Sample Description: EQUIP RINSE #3
Units: mg/L

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Water
%Solids:
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	<.0021	U	6010	.0021	.0050	09/30/04	10/01/04	093004W1	1	
Copper	J .0014	J	6010	.00094	.0100	09/30/04	10/01/04	093004W1	1	
Lead	<.00056	U	6010	.00056	.0050	09/30/04	10/01/04	093004W1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: October 19, 2004 Thomas Alexander

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9020
Sample: E7407
Sample Description: EQUIP RINSE #4
Units: mg/L

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/23/04
Received: 09/28/04

Matrix: Water
%Solids:
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	<.0021	U	6010	.0021	.0050	09/30/04	10/01/04	093004W1	1	
Copper	J .00096	J	6010	.00094	.0100	09/30/04	10/01/04	093004W1	1	
Lead	<.00056	U	6010	.00056	.0050	09/30/04	10/01/04	093004W1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: October 19, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

ATTACHMENT D

Soil Analytical Results
from Sampling in November 2004

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9432
Sample: E9954
Sample Description: A-SRF-01
Units: mg/Kg Dry weight

Job No.: 3435 . 235.11100
Certification NY No.: 10155

Collected: 11/22/04
Received: 11/22/04

Matrix: Solid
%Solids: 67.9
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.2		6010	.74	12/04/04	12/08/04	120404S1	1	
Copper	15.		6010	1.5	12/04/04	12/08/04	120404S1	1	
Lead	26.		6010	.74	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: December 9, 2004

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9432
Sample: E9955
Sample Description: A-SRF-02
Units: mg/Kg Dry weight

Job No.: 3435 . 235.11100
Certification NY No.: 10155

Collected: 11/22/04 Matrix: Solid
Received: 11/22/04 %Solids: 66.8
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	11.		6010	.75	12/04/04	12/08/04	120404S1	1	
Copper	17.		6010	1.5	12/04/04	12/08/04	120404S1	1	
Lead	28.		6010	.75	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: December 9, 2004

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9432
Sample: E9956
Sample Description: A-SRF-03
Units: mg/Kg Dry weight

Job No.: 3435 . 235.11100
Certification NY No.: 10155

Collected: 11/22/04
Received: 11/22/04

Matrix: Solid
%Solids: 80.0
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	7.7		6010	.62	12/04/04	12/08/04	120404S1	1	
Copper	18.		6010	1.2	12/04/04	12/08/04	120404S1	1	
Lead	22.		6010	.62	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: December 9, 2004

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9432
Sample: E9957
Sample Description: A-SRF-04
Units: mg/Kg Dry weight

Job No.: 3435 . 235.11100
Certification NY No.: 10155

Collected: 11/22/04 Matrix: Solid
Received: 11/22/04 %Solids: 66.7
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.0		6010	.75	12/04/04	12/08/04	120404S1	1	
Copper	25.		6010	1.5	12/04/04	12/08/04	120404S1	1	
Lead	21.		6010	.75	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: December 9, 2004

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9432
Sample: E9958
Sample Description: A-SRF-05
Units: mg/Kg Dry weight

Job No.: 3435 . 235.11100
Certification NY No.: 10155

Collected: 11/22/04 Matrix: Solid
Received: 11/22/04 %Solids: 78.3
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	9.3		6010	.64	12/04/04	12/08/04	120404S1	1	
Copper	25.		6010	1.3	12/04/04	12/08/04	120404S1	1	
Lead	190.		6010	.64	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: December 9, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: O'Brien & Gere Engineers
Project: BC Shooting Range
Sampled by: Rick Kumpon
Client Contact: Rick Kumpon Phone # 607-770-0908 x25

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: Meth. 6010 As, Cu, Pb							Comments
A-SRF-01	11/22/04	11:05	soil	G	1	X							9432
A-SRF-02		11:15				X							
A-SRF-03		11:30				X							
A-SRF-04		11:40				X							
A-SRF-05		11:45				X							

Relinquished by: Rick Kumpon Date: 11/22/04 Time: 1400
Relinquished by: James V Bailey Date: 11/22/04 Time: 1620
Relinquished by: Date: Time:
Shipment Method:

Received by: Jeanne Korchak Date: 11/22/04 Time: 1400
Received by: Date: Time:
Received by Lab: Date: 11/22/04 Time: 1620
Airbill Number:

Turnaround Time Required:
Routine X
Rush (Specify)
Cooler Temperature: 7°C Iced

Comments: Please fax results to Rick Kumpon (607-729-1967), then follow with hard copy (Standard Deliverable Package).

Original - Laboratory
Copy - Client

ATTACHMENT E

Sediment Analytical Results
from Sampling in September 2004

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7320
Sample Description: SED51
Units: mg/Kg Dry weight

Job No.: 3435.235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 87.1
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	11.		6010	.24	.57	10/11/04	10/12/04	101104S2	1	
Copper	23.6		6010	.11	1.1	10/11/04	10/12/04	101104S2	1	
Lead	50.3	J	6010	.064	.57	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 19, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7321
Sample Description: SED52
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 81.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.0		6010	.26	.61	10/11/04	10/12/04	101104S2	1	
Copper	13.5		6010	.12	1.2	10/11/04	10/12/04	101104S2	1	
Lead	18.4	J	6010	.069	.61	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7322
Sample Description: SED53
Units: mg/Kg Dry weight

Job No.: 3435.235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 85.5
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	13.1		6010	.25	.58	10/11/04	10/12/04	101104S2	1	
Copper	21.1		6010	.11	1.2	10/11/04	10/12/04	101104S2	1	
Lead	38.7	J	6010	.065	.58	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7323
Sample Description: SED54 DW
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 81.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	8.7		6010	.26	.61	10/11/04	10/12/04	101104S2	1	
Copper	14.6		6010	.12	1.2	10/11/04	10/12/04	101104S2	1	
Lead	19.4	J	6010	.069	.61	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Thomas Alexander

Authorized: _____
Date: October 19, 2004 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7324
Sample Description: SED55
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 84.9
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.5		6010	.25	.59	10/11/04	10/12/04	101104S2	1	
Copper	14.9		6010	.11	1.2	10/11/04	10/12/04	101104S2	1	
Lead	18.7	J	6010	.066	.59	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7325
Sample Description: SED55 DUP
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 76.7
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.7		6010	.27	.65	10/11/04	10/12/04	101104S2	1	
Copper	15.3		6010	.12	1.3	10/11/04	10/12/04	101104S2	1	
Lead	18.6	J	6010	.073	.65	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9018
Sample: E7326
Sample Description: SED56
Units: mg/Kg Dry weight

Job No.: 3435 . 235.62301
Certification NY No.: 10155

Collected: 09/07/04
Received: 09/28/04

Matrix: Solid
%Solids: 81.0
Number of analytes: 3

Parameter	Result	Q	Method	IDL	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	10.5		6010	.26	.62	10/11/04	10/12/04	101104S2	1	
Copper	20.7		6010	.12	1.2	10/11/04	10/12/04	101104S2	1	
Lead	64.1	J	6010	.069	.62	10/11/04	10/12/04	101104S2	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: October 19, 2004

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9018
Sample: E7320
Samp. Description: SED51

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	87.1		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7321
Samp. Description: SED52

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	81.7		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7322
Samp. Description: SED53

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	85.5		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 20, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9018
Sample: E7323
Samp. Description: SED54

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	81.7		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7324
Samp. Description: SED55

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	84.9		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7325
Samp. Description: SED55 DUP

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	76.7		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 20, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:

Job No.: 3435.235.62301
Certification NY No.: 10155

Package#: 9018
Sample: E7326
Samp. Description: SED56

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	81.0		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7327
Samp. Description: P49

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	80.0		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

Package#: 9018
Sample: E7328
Samp. Description: P50

Collected: 09/07/04
Received: 09/28/04 09:45
Matrix: Solid
Number of Analytes: 1

Parameter	Result	Q	Units	Method	MDL	PQL	Analyzed	QC Batch	Dil	Note
% Total Solids	77.8		%	2540-G		1.0	09/30/04	093004S11	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank
U - Undetected at the reported level.
J - Reported value is estimated. D- Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas A Alexander
Date: October 20, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

ATTACHMENT F

Sediment Analytical Results
from Sampling in November 2004

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9408
Sample: E9763
Sample Description: SED 57
Units: mg/Kg Dry weight

Job No.: 3435.235.11100
Certification NY No.: 10155

Collected: 11/18/04 Matrix: Solid
Received: 11/19/04 %Solids: 54.5
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	32.		6010	.92	12/04/04	12/08/04	120404S1	1	
Copper	18.		6010	1.8	12/04/04	12/08/04	120404S1	1	
Lead	51.		6010	.92	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: December 9, 2004

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9408
Sample: E9764
Sample Description: SED 58
Units: mg/Kg Dry weight

Job No.: 3435 . 235.11100
Certification NY No.: 10155

Collected: 11/18/04
Received: 11/19/04

Matrix: Solid
%Solids: 61.9
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	16.		6010	.81	12/04/04	12/08/04	120404S1	1	
Copper	23.		6010	1.6	12/04/04	12/08/04	120404S1	1	
Lead	38.		6010	.81	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: December 9, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9408
Sample: E9765
Sample Description: SED 59
Units: mg/Kg Dry weight

Job No.: 3435.235.11100
Certification NY No.: 10155

Collected: 11/18/04
Received: 11/19/04

Matrix: Solid
%Solids: 55.2
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	16.		6010	.91	12/04/04	12/08/04	120404S1	1	
Copper	23.		6010	1.8	12/04/04	12/08/04	120404S1	1	
Lead	46.		6010	.91	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: December 9, 2004

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9408
Sample: E9766
Sample Description: SED 60
Units: mg/Kg Dry weight

Job No.: 3435 . 235.11100
Certification NY No.: 10155

Collected: 11/18/04 Matrix: Solid
Received: 11/19/04 %Solids: 75.5
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	6.4		6010	.66	12/04/04	12/08/04	120404S1	1	
Copper	28.		6010	1.3	12/04/04	12/08/04	120404S1	1	
Lead	12.		6010	.66	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: December 9, 2004

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O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9408
Sample: E9767
Sample Description: SED 61
Units: mg/Kg Dry weight

Job No.: 3435 . 235.11100
Certification NY No.: 10155

Collected: 11/18/04
Received: 11/19/04

Matrix: Solid
%Solids: 63.3
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	19.		6010	.79	12/04/04	12/08/04	120404S1	1	
Copper	27.		6010	1.6	12/04/04	12/08/04	120404S1	1	
Lead	85.		6010	.79	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: December 9, 2004

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9408
Sample: E9768
Sample Description: SED 62
Units: mg/Kg Dry weight

Job No.: 3435.235.11100
Certification NY No.: 10155

Collected: 11/18/04 Matrix: Solid
Received: 11/19/04 %Solids: 20.1
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	20.		6010	2.5	12/04/04	12/08/04	120404S1	1	
Copper	21.		6010	5.0	12/04/04	12/08/04	120404S1	1	
Lead	46.		6010	2.5	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: December 9, 2004

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9408
Sample: E9769
Sample Description: DUP #5
Units: mg/Kg Dry weight

Job No.: 3435.235.11100
Certification NY No.: 10155

Collected: 11/18/04
Received: 11/19/04

Matrix: Solid
%Solids: 56.3
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	13.		6010	.89	12/04/04	12/08/04	120404S1	1	
Copper	20.		6010	1.8	12/04/04	12/08/04	120404S1	1	
Lead	40.		6010	.89	12/04/04	12/08/04	120404S1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: _____
Date: December 9, 2004 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Trace Metals

Client: O'Brien & Gere Engineers, Inc.
Project: Broome Co. Soil Investigation
Proj. Desc:
Package#: 9408
Sample: E9770
Sample Description: EQUIP RINSE #5
Units: mg/L

Job No.: 3435 . 235.11100
Certification NY No.: 10155

Collected: 11/18/04 Matrix: Water
Received: 11/19/04 %Solids:
Number of analytes: 3

Parameter	Result	Q	Method	PQL	Prepared	Analyzed	QC Batch	Dil	Note
Arsenic	<.0050	U	6010	.0050	11/24/04	11/30/04	112404W1	1	
Copper	<.010	U	6010	.010	11/24/04	11/30/04	112404W1	1	
Lead	<.0050	U	6010	.0050	11/24/04	11/30/04	112404W1	1	

Notes:

B - Analyte detected above the PQL in the associated Prep Blank.
U - Undetected at the reported level.
J - Reported value is estimated. D - Result is diluted.
E - Concentration exceeded the calibration range and is estimated.

Authorized: Thomas Alexander
Date: December 9, 2004

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc. Trace Metals

Quality Control Summary Matrix Spike/Matrix Spike Duplicate

Package#: 9408
Sample: E9765
Sample Description: SED 59

Matrix: Solid
Number of analytes: 3

Parameter	Sample Result	Spike Added	MS Result	%R	MSD Result	%R	%R Limits	RPD	RPD Limits	Units	Method	Note
Arsenic	16.	72.464	100.2536	117	81.8424	91	70 - 123	20	0 - 20	mg/Kg	6010	
Copper	23.	72.464	105.4964	114	97.4076	102	69 - 135	8	0 - 20	mg/Kg	6010	
Lead	46.	72.464	138.1159	127	114.7862	94	60 - 140	18	0 - 29	mg/Kg	6010	

Notes:

J-Estimated value #-Outside limits

O'Brien & Gere Laboratories, Inc.

Quality Control Summary
Duplicate
Trace Metals

Package#: 9408
Sample: E9765
Sample Description: SED 59

Matrix: Solid
Number of analytes: 3

Parameter	Sample Result	Dup Result	RPD	RPD Limits	Units	Method	Note
Arsenic	16.	16.792754	7	0 - 22	mg/Kg	6010	
Copper	23.	19.157609	19	0 - 23	mg/Kg	6010	
Lead	46.	40.336957	14	0 - 38	mg/Kg	6010	

Notes:

J-Estimated value #-Outside limits

O'Brien & Gere Laboratories, Inc.

5000 Brittonfield Parkway
East Syracuse, New York 13057
(315) 437-0200

3435.235 1160

Chain of Custody

Client: OBG Engineers

Project: BC Shooting Range

Sampled by: R.M. Kumpon

Client Contact: Rick Kumpon Phone # 607-770-0908 x 25

9406

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: Meth 6010 - As, Cu, Pb	Comments
Sed 57	11/18/04	12:10	sediment	G	1		
Sed 58		12:15			1		
Sed 59		12:30			1		
Sed 60		13:05			1		
Sed 61		13:10			1		
Sed 62		13:15			1		
Dup #5		—			1		
MS #5		—			1		
MSD #5		—	↓		1		
Equip ~~Blank~~ Rinse #5	↓	12:55	water	↓	1		

Relinquished by: Rick Kumpon	Date: 11/18/04	Time: 16:00	Received by: Fed Ex	Date: 11/19/04	Time: 16:00
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by Lab:	Date: 11/19/04	Time: 9:00
Shipment Method:			Airbill Number:		

Turnaround Time Required:
Routine X
Rush (Specify)

Cooler Temperature: 8°C Iced

Comments: Please fax results to Rich Kumpon (607-729-1967), then follow with hard copy. (Standard Deliverable Pkg).

MS/MSD on sed 59 as per RK 11.22.04 TAS

Original - Laboratory
Copy - Client

From: Origin ID: (607)770-0908
Sherri Rydos
O'Brien & Gere Engineers, Inc.
441 Commerce Road

Vestal, NY 13850

CL8091404/05A06

Ship Date: 18NOV04
Actual Wgt: 30 LB
System#: 4546103/INET2000
Account#: S *********

REF: 35383.010.021

Delivery Address Bar Code

SHIP TO: (315)437-6100 **BILL SENDER**

Tom Alexander
O'Brien & Gere Labs
5000 Brittonfield Pkwy.

E. Syracuse, NY 13057

PRIORITY OVERNIGHT **FRI**

Deliver By:
19NOV04

TRK# 7908 3495 8512 FORM 0201

SYR A1

13057 -NY-US

13 SYRA

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ATTACHMENT G

DUSR

From: Karen Storne
Re: Broome County Shooting Range DUSR
File: 1140/35383.010.022
Date: November 15, 2004

cc: R Kumpon
S Spiegel

A usability review of analytical data was performed for the metal analyses that were performed for the Broome County Shooting Range Site in Binghamton, New York. The samples were analyzed using United States Environmental Protection Agency (USEPA) methods and analytical and deliverables guidance provided in New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP). The following table summarizes the analysis performed for this investigation.

Table 1-1. *Analytical methods and references*

Parameter	Method	Reference
Metals (Arsenic, Copper, Lead)	USEPA Method 3050B/6010B	1, 2
Percent Total Solids	2540-G	3

Note:
1. United States Environmental Protection Agency (USEPA). 1996. *Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846),* 3rd Edition. Washington, D.C., 1986 as updated through December 1996.
2. New York State Department of Environmental Conservation (NYSDEC). 1995. *Analytical Services Protocol (ASP) Methods, October 1995 Revisions.* Albany, NY.
3. American Water Works Association (AWWA), American Public Health Association (APHA) and Water Environment Federation (WEF). 1992. *Standard Methods for the Examination of Water and Wastewater,* 18th Edition. Washington, D.C.

The samples collected for this investigation are summarized in Table 1-2, presented in Attachment A.

O'Brien & Gere Laboratories, Inc. performed the analyses and provided the laboratory data packages, which contained summary forms for quality control analysis and supportive raw data.

In this usability review, the analytical data were compared to the applicable QA/QC criteria provided in the following documents:

- United States Environmental Protection Agency (USEPA). 1996. *Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846),* 3rd Edition. Washington, D.C., 1986 as updated through December 1996.
- New York State Department of Environmental Conservation (NYSDEC). 1995. *Analytical Services Protocol (ASP) Methods, October 1995 Revisions.* Albany, NY.

Method criteria were used to evaluate the data generated for the analyses. In this case, since the validation guidelines apply to data generated using CLP methods, the application of these validation guidelines has been modified to reflect method requirements, where applicable, since non-CLP methods were used in the analysis of samples collected for this investigation.

The data usability review included evaluating the following parameters:

- Chain-of-custody records
- Sample collection
- Holding times
- Sample preservation

- Percentage solids
- Blank analysis
- Calibrations
- Matrix spike/matrix spike duplicate (MS/MSD) analyses
- Laboratory control sample (LCS)/matrix spike blank (MSB) analysis
- Contract required detection limit (CRDL) analysis
- Inductively Coupled Plasma (ICP) interference check sample analysis
- ICP serial dilution analysis
- Field duplicate analysis
- Target analyte quantitation and reported detection limits.

Data affected by excursions from the QA/QC criteria were qualified based on guidance provided in the following document (where applicable) and professional judgment:

- USEPA. 1992. *USEPA Region II Evaluation of Metals Data for the CLP Program, SOP HW-2* Revision 11, (modified for SW-846 methods). New York, NY.

Field duplicate data were evaluated against relative percent difference (RPD) criteria of less than 100 percent for soils when results were greater than five times the reporting limit. When sample results for field duplicate pairs were less than five times the reporting limit, the data were evaluated using control limits of plus or minus two times the reporting limit for soils.

Samples associated with quality control sample excursions were qualified during the validation process. In the case that excursions were detected in quality control samples, samples were batched according to matrix.

The following sections of this memorandum presents the results of the comparison of the analytical data to the QA/QC criteria specified in USEPA Methods, and the qualifiers assigned to the data when the QA/QC criteria were not met. Excursions that resulted in the qualification of samples are described in the following sections.

CHAIN OF CUSTODY RECORDS

The chain-of-custody associated with samples collected 9/7/04, 9/22/04, and 9/23/04 was incomplete; the courier was not listed on the record. However, the Federal Express courier information was provided separately in the data package provided by the laboratory.

SAMPLE COLLECTION

For samples collected 9/7/04, 9/22/04, and 9/23/04, the samples were relinquished to the courier on 9/27/04 and received by the laboratory on 9/28/04. The Project Manager indicated that, while the samples were held in the field prior to transporting to the laboratory, the samples were maintained at 4 degrees Celsius and in a secured location.

METAL DATA EVALUATION SUMMARY

Excursions from quality control criteria and additional observations are summarized below.

I. Holding times, sample preservation and percentage solids

The method and validation holding time criterion of 180 days from collection for metal analyses were met. Percentage solids were greater than 50; therefore, qualification of sample results was not required.

II. Blank analysis

Method blanks, calibration blanks and equipment blanks were analyzed to evaluate the potential of introduced concentrations of target analytes. Target analytes were not detected in the blanks above the PQL concentration; therefore, qualification of sample results was not required.

III. Calibrations

Initial and calibration verification data met the validation criteria; therefore, qualification of sample results was not required.

IV. MS/MSD analysis

MS/MSD results for lead were outside of the laboratory control limits of 75 to 125 percent and laboratory duplicate limit of 20 relative percent difference (RPD). For recovery excursions, since the sample concentrations were less than four times the spike concentrations, target analytes with MS recoveries that were outside of the control limits were qualified as approximate (J) to indicate minor accuracy excursions. For RPD excursions, target analytes with MS results that were outside of the control limits were qualified as approximate (J) to indicate minor precision excursions. The samples qualified due to MS/MSD excursions are summarized in the following table:

Table 1-3. *MS excursions for metal analyses*

MS ID	Analyte	Excursion	Affected Samples	Action
SED53	Lead	55%R, 58 %R, 35 RPD	SED51 SED52 SED53 SED54 SED55 SED55 DUP [SED55] SED56	J

Table 1-3. *MS excursions for metal analyses*

MS ID	Analyte	Excursion	Affected Samples	Action
B-SUB-16	Lead	119 %R	P49	J
			P50	
			F-SRF-48	
			F-SRF-47	
			F-SRF-46	
			F-SRF-45	
			F-SRF-44	
			F-SRF-43	
			F-SRF-42	
			F-SRF-41	
			F-SRF-40	
			F-SRF-39	
			F-SRF-38	
			F-SRF-37	
			F-SRF-36	
			F-SRF-35	
			F-SRF-34	
			F-SRF-33	
			F-SRF-33 DUP [F-SRF-33]	
			F-SRF-32	
			F-SRF-31	
			F-SRF-30	
			F-SRF-29	
			F-SRF-28	
			F-SRF-27	
			F-SRF-26	
			F-SRF-25	
			F-SRF-24	
			F-SRF-23	
			F-SRF-22	
			B-SRF-21	
			B-SRF-20	
			A NORTH SRF	
			A SOUTH SRF	

Table 1-3. *MS excursions for metal analyses*

MS ID	Analyte	Excursion	Affected Samples	Action
B-SUB-16	Lead	119 %R	B-SRF-19	J
			B-SRF-18	
			B-SRF-17	
			B-SRF-16	
			B-SRF-15	
			B-SRF-14	
			B-SRF-13	
			B-SRF-12	
			B-SRF-11	
			B-SRF-10	
			B-SRF-09	
			B-SRF-08	
			B-SRF-07	
			B-SRF-06	
			B-SRF-05	
			B-SRF-04	
			B-SRF-03	
			B-SRF-02	
			B-SRF-01	
			B-SUB-02	
			B-SUB-04	
			B-SUB-06	
			F-SUB-47	
			F-SUB-42	
			F-SUB-44	
			F-SUB-44 DUP [F-SUB-44]	
			F-SUB-39	
			F-SUB-41	
			F-SUB-37	
			F-SUB-35	
			F-SUB-33	
			F-SUB-29	
			F-SUB-31	
			F-SUB-27	
			F-SUB-25	
			F-SUB-23	
			B-SUB-16	
			B-SUB-18	
			B-SUB-18 DUP [B-SUB-18]	
			B-SUB-20	
			B-SUB-14	
			B-SUB-12	
			B-SUB-10	

Note:
%R indicates percent recovery
RPD indicates relative percent difference.

V. LCS/MSB analysis

The LCS/MSB results met validation criteria; therefore, qualification of sample results was not required.

VI. CRDL analysis

CRDL analyses met the validation criteria; therefore, qualification of sample results was not required.

VII. ICP interference check sample analysis

ICP interference check samples analyses met the validation criteria; therefore, qualification of sample results was not required

VIII. ICP serial dilution analysis

Serial dilution analyses data met the validation criteria; therefore, qualification of sample results was not required.

IX. Field duplicate analysis

Field duplicate pairs were collected for samples SED55 [SED55DUP], F-SRF-33 [F-SRF-33DUP], F-SUB-44 [F-SUB-44DUP], B-SUB-18 [B-SUB-18DUP] submitted for metals analyses. Target analytes met field duplicate validation criteria; therefore, qualification of sample results was not required.

X. Target analyte quantitation and reported detection limits

In the associated laboratory quality control data, the qualifier "J" was applied by the laboratory when the analyte concentration was greater than the MDL but less than the PQL. The "J" qualifier was not applied to the sample results since the concentrations reported in the sample results were greater than the MDL concentrations.

XI. Overall data assessment

- Results for lead were qualified as approximate (J) due to MS/MSD accuracy and precision excursions.

DATA USABILITY

Overall data usability with respect to completeness is 100 percent for the arsenic, copper, and lead data. Based on the review performed, the data were determined to be usable for qualitative and quantitative purposes.