Limited Phase II Environmental Investigation Report

1050-1088 Niagara Street Site
Buffalo, New York

July 2012 0136-012-004

Prepared For:

9271 Group, LLC

Prepared By:

TurnKey Environmental Restoration, LLC

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1.0 INTRODUCTION

1.1 Background and Site Description

TurnKey Environmental Restoration, LLC (TurnKey) performed a Limited Phase II Environmental Investigation on behalf of 9271 Group, LLC at 1050-1088 Niagara Street, City of Buffalo, Erie County, New York (Site; see Figure 1). This investigation was performed based on the findings of the June 2012 Phase I Environmental Site Assessment (ESA) Report prepared by TurnKey.

The subject property is located in a highly developed commercial, industrial, and residential area of Buffalo, New York. The subject Site, addressed from 1050-1088 Niagara Street, is also identified as Tax ID Nos. 99.41-1-15, 99.49-6-2, and 99.41-6-10. The Site, totaling approximately 2.7-acres, is bordered by Albany Street to the north, a manufacturing facility to the south, Niagara Street to the east, and railroad tracks and Interstate 190 to the west. The Site is improved with one three story building on the 1050 Niagara Street Parcel.

The Site has a long history of being utilized for industrial operations (since at least 1889). The International Brewing Company and American Gelatine Corp. operated on-Site in the early 1900s. The northern portion of the Site included a filling station from at least the 1920s through at least 1960. Multiple gasoline tanks were identified on the northern portion of the site from at least 1925 through at least 1951. Gulf Oil Corporation and/or Hygrade Petroleum Co. were identified as on-Site operators from at least the 1920s through at least 1960. The Niagara Lithograph Company (current on-site building), a commercial printing company, was located on the 1050 Niagara Street parcel of the Site from at least 1930 through at least 1990 and Miken Companies, also a commercial printing company, until at least 2000. Two 25,000 gallon tanks were noted in the basement of 1050 Niagara Street. Residential, industrial, and commercial operations were identified for adjacent properties through the years.

Based on the findings of the Phase I ESA, including several former gasoline USTs, numerous releases from adjacent / nearby properties, historic filling station operations on

the Site, and tank fill/vents indicating potential tanks or former tanks on-Site warranted further investigation.

The investigation included the completion of a subsurface soil investigation in accessible exterior areas of the Site to assess potential environmental impact to the Site related to recognized environmental conditions identified in the Phase I ESA.

2.0 SUBSURFACE SOIL/FILL INVESTIGATION

On May 16, 2012, TurnKey's designated subcontractor, RE Lorenz Construction Inc., mobilized a track-mounted excavator to the site and excavated ten test pits, identified as TP-1 through TP-10, at various locations across the Site. Test pit locations are shown on Figure 2. Test pit logs are presented in Table 1. Soil descriptions were completed in the field via visual characterization of excavated soils and test pit excavation faces using the Unified Soil Classification System (USCS), and scanned for total volatile organic vapors with a calibrated MiniRae 2000 PID equipped with a 10.6 eV lamp. A summary of the test pit locations and rationale is included in the table below.

Sample Location	Rationale
TP-1	Former railroad tracks
TP-2	Historic industrial operations
TP-3	Historic industrial operations
TP-4	Historic gasoline USTs
TP-5	Former railroad tracks
TP-6	Historic industrial operations
TP-7	Down gradient form historic gasoline USTs
TP-8	Former railroad tracks
TP-9	Historic industrial operations
TP-10	Down gradient form historic gasoline USTs

The subsurface soil/fill for TP-1 through TP-4 and TP-10 was typically characterized as sandy lean clay with varying amounts and depths of fill material (i.e., brick, concrete). Apparent foundry sand was observed in TP-1 at approximately 7-10 feet below ground surface (fbgs) and petroleum odors were noted in TP-3 and TP-4. TP-4 was actually a series of test pits that encountered three USTs and an abandoned in-ground lift as shown on Figure 2. The subsurface soil/fill for TP-5 through TP-9 was typically characterized as slag in the upper foot underlain by lean clay with varying amounts of fill. Apparent foundry sands was observed in TP-5. Groundwater was not encountered during the test pit excavations.

Soil samples were collected from TP-1, TP-3, TP-4, TP-5, and TP-10. The soil/fill samples were placed in pre-cleaned, laboratory provided sample bottles using dedicated stainless steel sampling tools, and cooled to 4º C in the field. The samples were transported under chain-of-custody command to Test America Labs of Amherst, NY for analysis of

Target Compound List (TCL) plus NYSDEC STARS List volatile organic compounds (VOCs), NYSDEC STARS List semi-volatile organic compounds (SVOCs) and Resource Conservation and Recovery Act (RCRA) metals.

3.0 INVESTIGATION FINDINGS

Ten test pits (TP-1 through TP-10) were completed and five soil/fill samples were collected for analysis. Table 2 presents a summary of the soil sample results. Each compound that was analyzed and detected above the laboratory reporting limit is listed on the table with its associated result to provide a complete data summary. For comparison purposes, Table 2 presents soil cleanup objectives (SCOs) for each of the detected parameters as published in 6 NYCRR Part 375 Soil Cleanup Objectives dated May 2010. Appendix A contains a copy of the laboratory analytical data package.

3.1 Qualitative Soil Screening

Soil samples were screened via headspace for VOCs using a MiniRae 2000 PID. PID measurements ranged from <1 ppm to approximately 1,268 ppm (TP-4). Elevated PID readings and petroleum odors were observed in TP-3, TP-4 and TP-10 (see Table 1). Petroleum-stained soil was also noted in TP-4. Apparent foundry sand was noted in TP-1 and TP-5. Refer to Table 1 for a summary of soil classification for each sample interval, field observations, and PID measurements.

3.2 Site Hydrogeology

The property is located within the Erie-Ontario lake plain physiographic province, which is typified by little topographic relief, except in the immediate vicinity of major drainage ways. Surface soils are generally characterized as urban land with level to gently sloping land in which 80 percent or more of the soil surface is covered by asphalt, concrete, buildings, or other impervious structures typical of an urban environment. In addition, the presence of overburden fill material is widespread and common throughout the City of Buffalo.

Groundwater flow direction likely follows regional topography in the vicinity of the subject property and is to the west toward the Niagara River. Local groundwater flows, however, may be influenced by subsurface features, such as excavations, utilities, and localized fill-conditions. Groundwater was not encountered during test pit excavations.

3.2 Soil Analytical Results

Soil samples from TP-1, TP-3, TP-4, TP-5 and TP-10 were analyzed for SVOCs and RCRA Metals. Soil samples from test pits TP-3, TP-4 and TP-10 were also analyzed for TCL plus NYSDEC STARS List VOCs. As indicated on Table 2, the analytical data results indicate one SVOC compound (dibenzo(a,h)anthracene) was detected slightly above its unrestricted SCO in TP-1, but the concentration was an estimated value detected less than the sample quantitation limit, but greater than zero. Six VOCs (ethylbenzene, isopropylbenzene, n-propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes) were detected above their respective Unrestricted SCOs, including isopropylbenzene above its Commercial SCO, in TP-4. Five RCRA metals (barium, cadmium, chromium, lead and/or mercury) were detected above their respective Unrestricted SCOs in TP-1, TP-4, and TP-5. Lead and mercury were detected above their respective Commercial SCOs in TP-1.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the soil investigation at the Site, TurnKey offers the following conclusions and recommendations:

- Field observations of apparent petroleum contamination, including elevated PID readings and petroleum odors, were observed in TP-3, TP-4 and TP-10. Apparent petroleum-stained soil was also noted in TP-4;
- Apparent foundry sand was noted in TP-1 and TP-5;
- Six VOCs were detected above their respective Unrestricted SCOs, including isopropylbenzene above its Commercial SCO, in TP-4;
- One SVOC compound (dibenzo(a,h)anthracene) was detected slightly above its unrestricted SCO in TP-1;
- Five RCRA metals (barium, cadmium, chromium, lead and/or mercury) were detected above their respective Unrestricted SCOs in TP-1, TP-4, and TP-5. Lead and mercury were detected above their respective Commercial SCOs in TP-1;
- Based on the findings of this investigation, Site remediation appears warranted. The existing three USTs and in-ground hydraulic lift should be removed in accordance with NYSDEC protocols and impacted soil encountered in the area of these structures should be properly handled. The disposition of the tanks beneath the former commercial printing building should be determined and, if present, closed in-place or removed if they are not intended for future use.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of 9271 Group, LLC. The contents of this report are limited to information available at the time of the site investigation activities and to data referenced herein, and assume all referenced historic information sources to be true and accurate. The findings herein may be relied upon only at the discretion of 9271Group, LLC. Use of or reliance on this report or its findings by any other person or entity is prohibited without written permission of TurnKey Environmental Restoration, LLC.

TABLES

TABLE 1
TEST PIT SUMMARY
1050-1088 NIAGARA STREET SITE
9271 Group, LLC

Location	Test Pit Dimensions			Date	Visually Impacted Soil/Fill?	Olfactory Odor	Interval of Observed Impact (fbgs)	PID Scan (ppm) Depth - Reading (fbgs)	Analysis			Sample Interval	Approximate DTW (fbgs)	Observed Perched Water	Depth (fbgs) and Soil Description (ASTM D2488: Visual-Manual Procedure)
	Length (feet)	Width (feet)	Depth (fbgs)						TCL + STARS VOCs + TICs	STARS SVOCs + TICs	RCRA METALS				
Test Pit Locations															
TP-1	13.0	3.0	13.0	05/16/12	Yes (Foundry Sand)	No	7-10 (Foundary Sand)	0 (All Intervals)	No	Yes	Yes	7.0-9.0	N/A	N/A	**0.0-7.0 Sandy Lean Clay with Fill:** Brown, moist, mostly medium plasticity fines with some fine sand, brick and concrete, medium toughness, medium dry strength, massive **7.0-10.0 Fill:** Black and yellow, moist, foundry sand **10.0-13.0 Sandy Lean Clay with Fill:** Brown, moist, mostly medium plasticity fines with some fine sand, brick and concrete, medium toughness, medium dry strength, massive, refusal on concrete (13')
TP-2	13.0	6.0	16.0	05/16/12	No	No	N/A	0 (All Intervals)	No	No	No	N/A	N/A	N/A	**0.0-16.0 Sandy Lean Clay with Fill:** Brown, moist, mostly medium plasticity fines with some fine sand, brick and concrete, medium toughness, medium dry strength, massive
TP-3	13.0	3.0	15.0	05/16/12	No	Yes	4.0-15.0	1 - 128 3 - 213 5 - 555 7 - 366 9 - 355 11 - 938 13 - 238 15 - 85	Yes	Yes	Yes	4.0-5.0	N/A	N/A	**0.0-4.0 Sandy Lean Clay with Fill:** Brown, moist, mostly medium plasticity fines with some fine sand, brick and concrete, medium toughness, medium dry strength, massive **4.0-15.0 Sandy Lean Clay:** Brown, moist, mostly medium plasticity fines with some fine sand, medium toughness, medium dry strength, massive, petroleum like odor
TP-4[1]	13.0	2.0	11.0	05/16/12	Yes (Petroleum Stained)	Yes	3.0-11.0	1 - 219 3 - 984 5 - 1268 7 - 366 9 - 290 11 - 184	Yes	Yes	Yes	3.0-5.0	N/A	N/A	**0.0-4.0 Sandy Lean Clay with Fill:** Brown, moist, mostly medium plasticity fines with some fine sand, brick and concrete, black stained soil, medium toughness, medium dry strength, massive **4.0-15.0 Sandy Lean Clay:** Brown, moist, mostly medium plasticity fines with some fine sand, medium toughness, medium dry strength, massive, petroleum like odor
TP-5	13.0	2.0	16.0	05/16/12	Yes (Foundry Sand)	No	N/A	0 (All Intervals)	No	No	No	N/A	N/A	N/A	**0.0-1.0 Slag** **1.0-16.0 Lean Clay with Fill:** Reddish brown, moist to wet (6.5'), mostly medium plasticity fines with few fine sand, foundry sand, concrete slab, brick, medium toughness, medium dry strength, massive
TP-6	13.0	2.0	16.0	05/08/12	No	No	N/A	0 (All Intervals)	Yes	Yes	Yes	0.0-2.0	N/A	N/A	**0.0-1.0 Slag** **1.0-16.0 Lean Clay with Fill:** Reddish brown, moist, mostly medium plasticity fines with few fine sand, medium toughness, medium dry strength, massive, refusal at 16' bedrock

TABLE 1
TEST PIT SUMMARY
1050-1088 NIAGARA STREET SITE
9271 Group, LLC

Location	Test Pit Dimensions			Date	Visually Impacted Soil/Fill?	Olfactory Odor	Interval of Observed Impact (fbgs)	PID Scan (ppm) Depth - Reading (fbgs)	Analysis			Sample Interval	Approximate DTW (fbgs)	Observed Perched Water	Depth (fbgs) and Soil Description (ASTM D2488: Visual-Manual Procedure)
	Length (feet)	Width (feet)	Depth (fbgs)						TCL + STARS VOCs + TICs	STARS SVOCs + TICs	RCRA METALS				
TP-7	13.0	3.0	16.0	05/16/12	No	No	N/A	0 (All Intervals)	No	No	No	N/A	1.5	Perched	**0.0-1.0 Slag** **1.0-16.0 Lean Clay with Fill:** Reddish brown, moist, mostly medium plasticity fines with few fine sand, medium toughness, medium dry strength, massive, refusal at 16' bedrock
TP-8	13.0	3.0	17.0	05/16/12	No	No	N/A	0 (All Intervals)	No	No	No	N/A	N/A	N/A	**0.0-1.0 Slag** **1.0-17.0 Lean Clay with Fill:** Reddish brown, moist, mostly medium plasticity fines with few fine sand, medium toughness, medium dry strength, massive, refusal at 16' bedrock
TP-9	13.0	3.0	17.0	05/16/12	No	No	N/A	0 (All Intervals)	No	No	No	N/A	N/A	N/A	**0.0-1.0 Slag** **1.0-17.0 Lean Clay with Fill:** Reddish brown, moist, mostly medium plasticity fines with few fine sand, medium toughness, medium dry strength, massive, refusal at 16' bedrock
TP-10	13.0	3.0	17.0	05/16/12	No	Yes	3.0-17.0	1 - 0 3 - 34 5 - 54 7 - 130 9 - 468 11 - 178 13 - 238 15 - 200	Yes	Yes	Yes	9.0-11.0	N/A	N/A	**0.0-4.0 Sandy Lean Clay with Fill:** Brown, moist, mostly medium plasticity fines with some fine sand, brick and concrete, medium toughness, medium dry strength, massive **4.0-15.0 Sandy Lean Clay:** Brown, moist, mostly medium plasticity fines with some fine sand, medium toughness, medium dry strength, massive, petroleum like odor

Notes:
1. Series of test pits in the area of abandoned USTs shown in Figure 1

Definitions:
fbgs = feet below ground surface
PID = MiniRae photoionization detector equipped with a 10.6 eV lamp
ppm = parts per million
DTW = Depth to water.
N/A = Non applicable

TABLE 2

SUMMARY OF SOIL ANALYTICAL RESULTS

1050-1088 NIAGARA STREET

BUFFAL, NEW YORK

Parameter [1]	Unrestricted SCOs[2]	Commercial SCOs[3]	Test Pit Location				
			TP-1 (7-9)	TP-3 (4-5)	TP-4 (3-5)	TP-5 (7-9)	TP-10 (9-11)
Volatile Organic Compounds (VOCs) - mg/Kg [3]							
2-Butanone (MEK) [5]	--	--	NA	0.026 J	ND	NA	0.006 J
Acetone	**0.05**	**500**	NA	0.17	ND	NA	0.042
Ethylbenzene	**1**	**390**	NA	ND	**23**	NA	ND
Cyclohexane	--	--	NA	0.27	19	NA	ND
Isopropylbenzene (Cumene)	**2.3**	**2.3**	NA	0.25	**9.6**	NA	ND
n-Butylbenzene	**12**	**500**	NA	ND	7.7	NA	ND
n-Propylbenzene	**3.9**	**500**	NA	0.38	**130**	NA	ND
sec-Butylbenzene	**11**	**500**	NA	ND	3.3	NA	ND
tert-Butylbenzene	**5.9**	**500**	NA	0.019 J	ND	NA	ND
1,2,4-Trimethylbenzene	**3.6**	**190**	NA	0.7 B	**85**	NA	0.0012 J
1,3,5-Trimethylbenzene	**8.4**	**190**	NA	ND	**35**	NA	ND
p-Isopropyltoluene	**10**	**10**	NA	ND	7.2	NA	ND
Total Xylene	**0.26**	**500**	NA	0.091 B	**100**	NA	0.003 J
Methylcyclohexane	--	--	NA	0.55	120	NA	ND
TICS	--	--	NA	10.89 J	812 J	NA	0.286 J
Total VOCs			**0**	**1.62**	**539.8**	**0**	**0.042**
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg [3]							
Acenaphthylene	**100**	**500**	0.01 J	ND	ND	ND	ND
Acenaphthene	**20**	**500**	0.025 J	ND	ND	ND	ND
Anthracene	**100**	**500**	0.047 J	ND	ND	0.11 J	ND
Benzo(a)anthracene	**1**	**5.6**	0.17 J B	ND	ND	0.61 J B	ND
Benzo(b)fluoranthene	**1**	**5.6**	0.2 B	ND	ND	0.72 J B	ND
Benzo(k)fluoranthene	**0.8**	**56**	0.08 J B	ND	ND	0.32 J B	ND
Benzo(g,h,i)perylene	**100**	**500**	0.11 J B	ND	ND	0.4 J B	ND
Benzo(a)pyrene	**1**	**1**	0.18 J B	ND	ND	0.58 J B	ND
Chrysene	**1**	**56**	0.15 J B	ND	ND	0.6 J B	ND
Dibenzo(a,h)anthracene	**0.33**	**0.56**	**0.035 J**	ND	ND	ND	ND
Fluoranthene	**100**	**500**	0.22 B	ND	ND	0.96 J B	ND
Fluorene	**30**	**500**	0.016 J	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	**0.5**	**5.6**	0.092 J B	ND	ND	0.31 J B	ND
Naphthalene	**12**	**500**	0.1 J	0.0052 J	4.4 J	ND	ND
Phenanthrene	**100**	**500**	0.22 B	ND	ND	0.66 J B	ND
Pyrene	**100**	**500**	0.22 B'	ND	ND	1.0 J B	ND
TICS	--	--	2.62 J	5.15 J	177.3 J	ND	0.378 J
Total SVOCs			0	0	4.4	0	0
Metals - mg/Kg							
Arsenic	**13**	**16**	8.8	4.5	4.3	5.9	5.1
Barium	**350**	**400**	133	112	117	**375**	76.7
Cadmium	**2.5**	**9.3**	1.7	ND	0.33	**6**	0.25
Chromium	**30**	**1500**	**77.3**	18.8	14.4	**67.6**	15.3
Lead	**63**	**1000**	**1160**	19	1.3	**292**	14
Silver	**2**	**1500**	ND	ND	ND	0.73	ND
Mercury	**0.18**	**2.8**	**4**	ND	**0.083**	**0.35**	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per 6NYCRR Part 375.6.8 (a) Soil Cleanup Objectives - Unrestricted (May 2010)
3. Values per 6NYCRR Part 375.6.8 (b) Soil Cleanup Objectives - Commercial (May 2010).
4. Sample results were reported by the laboratory in ug/Kg and converted to mg/Kg for comparison to SCOs.

Definitions:

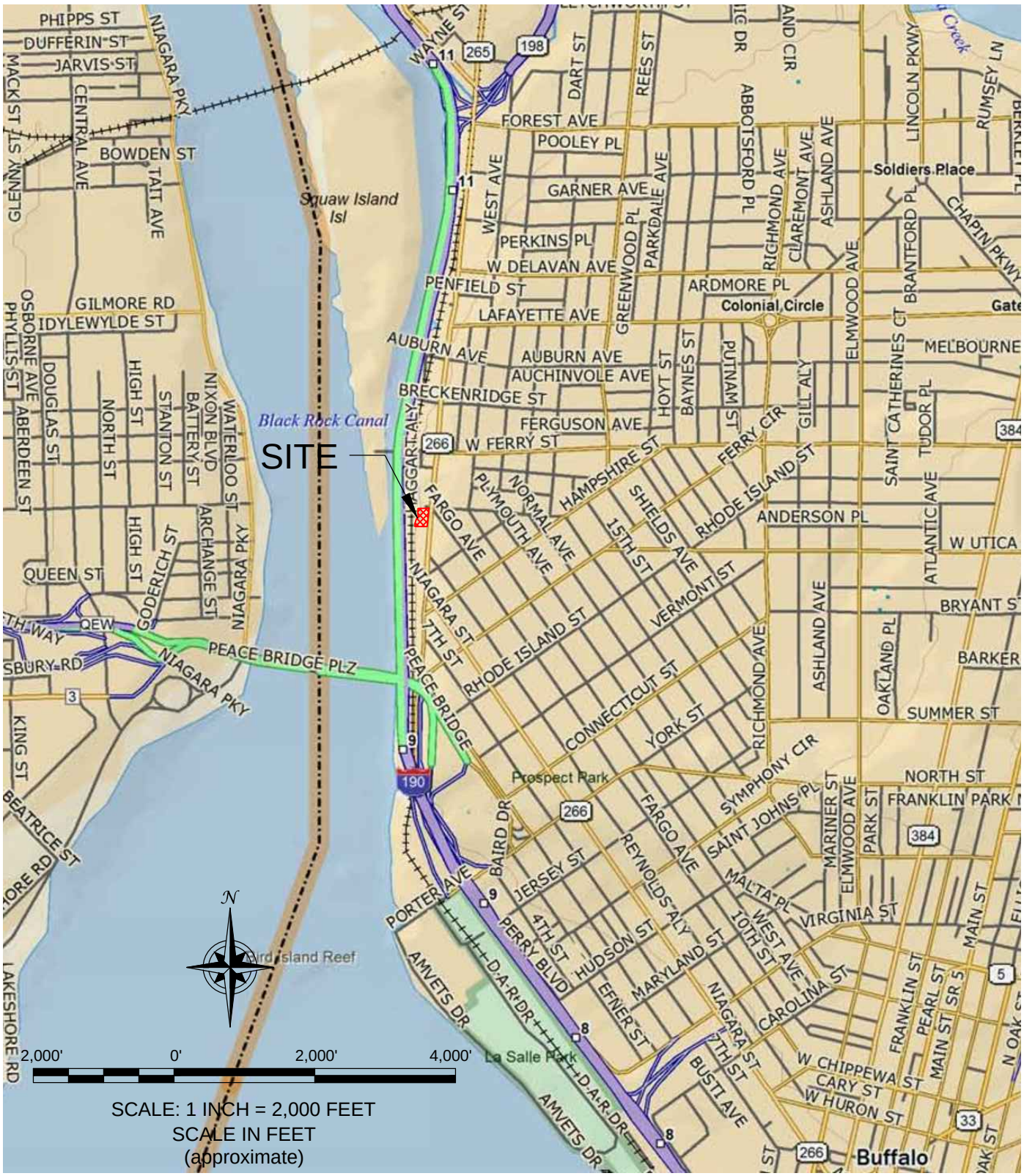
ND = Parameter not detected above laboratory detection limit.
NA = Parameter not Analysed.
"--" = No SCO available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
B = Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
* = Indicates the spike or duplicate analysis is not within the quality control limits.
D = Analyte was detected after laboratory dilution.

BOLD = Exceeds SCOs Unrestricted
BOLD = ExceedsSCOs Commerical

FIGURES

F:\CAD\TurnKey\Elliott Development\1050-1088 Niagara St\Phase I ESA\Figure 1; Site Location and Vicinity Map.dwg

FIGURE 1



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(716) 856-0635

PROJECT NO.: 0136-012-004

DATE: JULY 2012

DRAFTED BY: JGT

SITE LOCATION AND VICINITY MAP

LIMITED PHASE II ENVRIONMENTAL SITE ASSESSMENT

1050-1088 NIAGARA STREET SITE

BUFFALO, NEW YORK

PREPARED FOR

9271 GROUP, LLC

F:\CAD\TurnKey\Ellicott Development\1050-1088 Niagara St\Phase II\1050-1088 Niagara Base Map.dwg

DATE: JULY 2012
DRAFTED BY: JGT

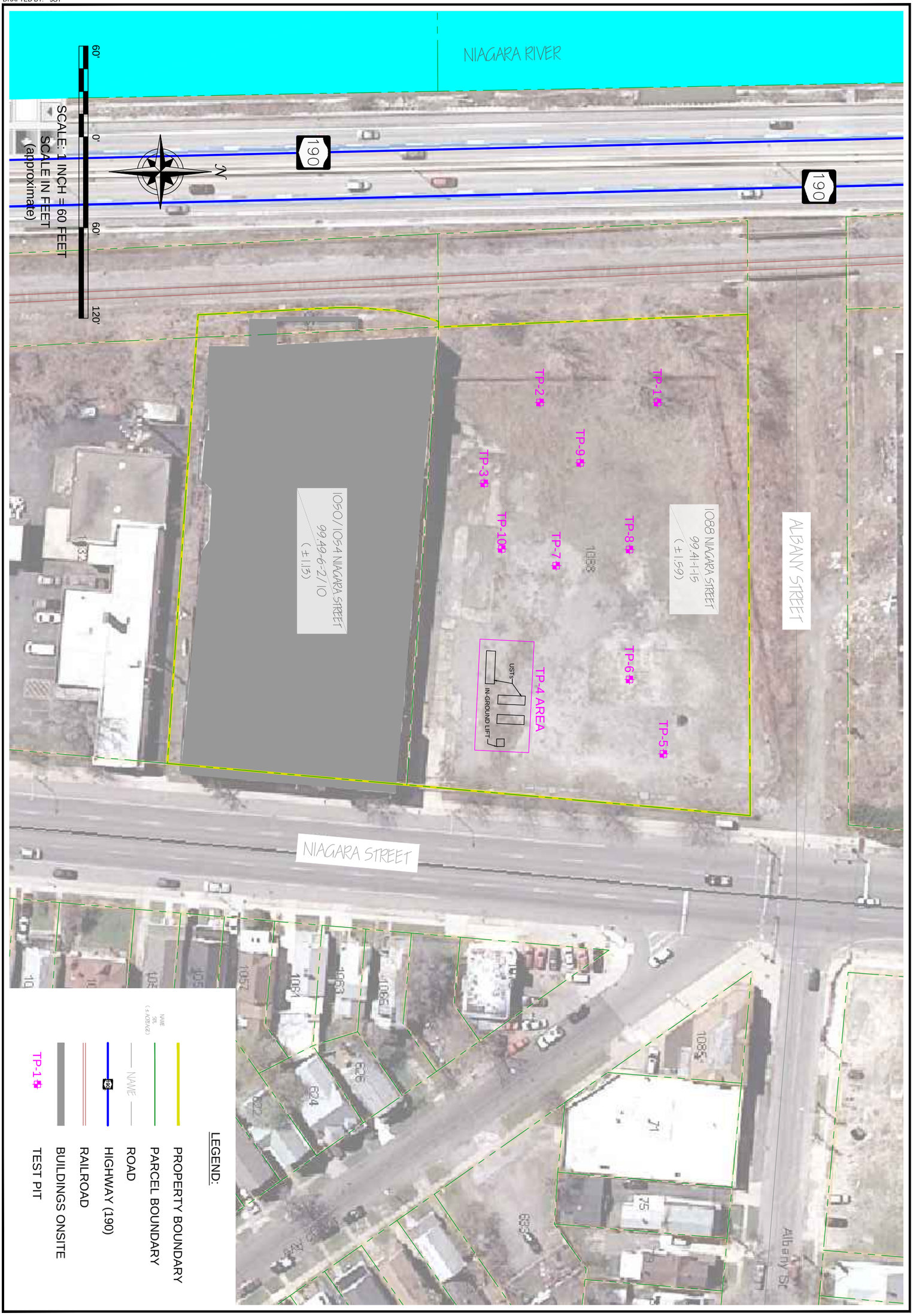

FIGURE 2

SITE PLAN

LIMITED PHASE II ENVIRONMENTAL INVESTIGATION REPORT

1050-1088 NIAGARA STREET SITE

BUFFALO, NEW YORK

PREPARED FOR

9271 GROUP LLC

TURNKEY ENVIRONMENTAL RESTORATION, LLC

2558 HAMBURG TURNPIKE
SUITE 300
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JOB NO.: 0136-012-004

APPENDIX A

LABORATORY ANALYTICAL DATA SUMMARY PACKAGE

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-20163-1
Client Project/Site: Turnkey 1050-1088 Niagara Street

For:
Turnkey Environmental Restoration, LLC
2558 Hamburg Turnpike
Suite 300
Lackawanna, New York 14218

Attn: Mr. Michael Lesakowski

Authorized for release by:
5/25/2012 4:01:34 PM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material.
T	Result is a tentatively identified compound (TIC) and an estimated value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-20163-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-20163-1

Comments
No additional comments.

Receipt
The samples were received on 5/17/2012 11:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method(s) 8260B: The method blank for batch 65414 contained 4-Methyl-2-pentanone, Toluene, Ethylbenzene, m/p-xylenes, 1,2,4-Trimethylbenzene, Naphthalene, and Total Xylenes above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The following sample(s) was analyzed at a 1.0 gram dilution due to the nature of the sample matrix: TP-3 (4-5) (480-20163-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: TP-3 (4-5) (480-20163-2). Re-analysis was performed with concurring results. Only the reanalysis has been reported.

Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: TP-4 (3-5) (480-20163-3). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following samples were diluted due to the nature of the sample matrix: TP-4 (3-5) (480-20163-3), TP-5 (7-9) (480-20163-4). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The method blank for batch 64990 contained multiple analytes above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

Metals
Method(s) 7471A: The following sample was diluted due to the abundance of the target analyte total mercury: TP-1 (7-9) (480-20163-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Detection Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Client Sample ID: TP-1 (7-9) — Lab Sample ID: 480-20163-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	25	J	190	2.2	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	10	J	190	1.5	ug/Kg	1	☼	8270C	Total/NA
Anthracene	47	J	190	4.8	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)anthracene	170	J B	190	3.2	ug/Kg	1	☼	8270C	Total/NA
Benzo(a)pyrene	180	J B	190	4.5	ug/Kg	1	☼	8270C	Total/NA
Benzo(b)fluoranthene	200	B	190	3.6	ug/Kg	1	☼	8270C	Total/NA
Benzo(g,h,i)perylene	110	J B	190	2.2	ug/Kg	1	☼	8270C	Total/NA
Benzo(k)fluoranthene	80	J B	190	2.1	ug/Kg	1	☼	8270C	Total/NA
Chrysene	150	J B	190	1.9	ug/Kg	1	☼	8270C	Total/NA
Dibenz(a,h)anthracene	35	J	190	2.2	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	220	B	190	2.7	ug/Kg	1	☼	8270C	Total/NA
Fluorene	16	J	190	4.3	ug/Kg	1	☼	8270C	Total/NA
Indeno(1,2,3-cd)pyrene	92	J B	190	5.2	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	100	J	190	3.1	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	220	B	190	3.9	ug/Kg	1	☼	8270C	Total/NA
Pyrene	220	B	190	1.2	ug/Kg	1	☼	8270C	Total/NA
Arsenic	8.8		2.3		mg/Kg	1	☼	6010B	Total/NA
Barium	133		0.58		mg/Kg	1	☼	6010B	Total/NA
Cadmium	1.7		0.23		mg/Kg	1	☼	6010B	Total/NA
Chromium	77.3		0.58		mg/Kg	1	☼	6010B	Total/NA
Lead	1160		1.2		mg/Kg	1	☼	6010B	Total/NA
Mercury	4.0		0.22		mg/Kg	10	☼	7471A	Total/NA

Client Sample ID: TP-3 (4-5) — Lab Sample ID: 480-20163-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	700	B	30	5.8	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	26	J	150	11	ug/Kg	1	☼	8260B	Total/NA
Acetone	170		150	25	ug/Kg	1	☼	8260B	Total/NA
Cyclohexane	270		30	4.2	ug/Kg	1	☼	8260B	Total/NA
Isopropylbenzene	250		30	4.5	ug/Kg	1	☼	8260B	Total/NA
m,p-Xylene	91	B	60	5.0	ug/Kg	1	☼	8260B	Total/NA
Methylcyclohexane	550		30	4.6	ug/Kg	1	☼	8260B	Total/NA
N-Propylbenzene	380		30	2.4	ug/Kg	1	☼	8260B	Total/NA
tert-Butylbenzene	19	J	30	3.1	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	91	B	60	5.0	ug/Kg	1	☼	8260B	Total/NA
Naphthalene	5.2	J	210	3.5	ug/Kg	1	☼	8270C	Total/NA
Arsenic	4.5		2.4		mg/Kg	1	☼	6010B	Total/NA
Barium	112		0.59		mg/Kg	1	☼	6010B	Total/NA
Chromium	18.8		0.59		mg/Kg	1	☼	6010B	Total/NA
Lead	19.0		1.2		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: TP-4 (3-5) — Lab Sample ID: 480-20163-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	85000		1300	350	ug/Kg	10	☼	8260B	Total/NA
1,3,5-Trimethylbenzene	35000		1300	380	ug/Kg	10	☼	8260B	Total/NA
4-Isopropyltoluene	7200		1300	420	ug/Kg	10	☼	8260B	Total/NA
Cyclohexane	19000		1300	280	ug/Kg	10	☼	8260B	Total/NA
Ethylbenzene	23000		1300	370	ug/Kg	10	☼	8260B	Total/NA
Isopropylbenzene	9600		1300	190	ug/Kg	10	☼	8260B	Total/NA
m,p-Xylene	100000		2500	700	ug/Kg	10	☼	8260B	Total/NA
Methylcyclohexane	120000		1300	590	ug/Kg	10	☼	8260B	Total/NA

Client Sample ID: TP-4 (3-5) (Continued)

Lab Sample ID: 480-20163-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	7700		1300	370	ug/Kg	10	☼	8260B	Total/NA
N-Propylbenzene	13000		1300	330	ug/Kg	10	☼	8260B	Total/NA
o-Xylene	800	J	1300	160	ug/Kg	10	☼	8260B	Total/NA
sec-Butylbenzene	3300		1300	460	ug/Kg	10	☼	8260B	Total/NA
Xylenes, Total	100000		2500	210	ug/Kg	10	☼	8260B	Total/NA
Naphthalene	4400		1100	18	ug/Kg	5	☼	8270C	Total/NA
Arsenic	4.3		2.6		mg/Kg	1	☼	6010B	Total/NA
Barium	117		0.65		mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.33		0.26		mg/Kg	1	☼	6010B	Total/NA
Chromium	14.4		0.65		mg/Kg	1	☼	6010B	Total/NA
Lead	34.9		1.3		mg/Kg	1	☼	6010B	Total/NA
Mercury	0.083		0.026		mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: TP-5 (7-9)

Lab Sample ID: 480-20163-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	110	J	2000	51	ug/Kg	10	☼	8270C	Total/NA
Benzo(a)anthracene	610	J B	2000	34	ug/Kg	10	☼	8270C	Total/NA
Benzo(a)pyrene	580	J B	2000	48	ug/Kg	10	☼	8270C	Total/NA
Benzo(b)fluoranthene	720	J B	2000	39	ug/Kg	10	☼	8270C	Total/NA
Benzo(g,h,i)perylene	400	J B	2000	24	ug/Kg	10	☼	8270C	Total/NA
Benzo(k)fluoranthene	320	J B	2000	22	ug/Kg	10	☼	8270C	Total/NA
Chrysene	600	J B	2000	20	ug/Kg	10	☼	8270C	Total/NA
Fluoranthene	960	J B	2000	29	ug/Kg	10	☼	8270C	Total/NA
Indeno(1,2,3-cd)pyrene	310	J B	2000	55	ug/Kg	10	☼	8270C	Total/NA
Phenanthrene	660	J B	2000	42	ug/Kg	10	☼	8270C	Total/NA
Pyrene	1000	J B	2000	13	ug/Kg	10	☼	8270C	Total/NA
Arsenic	5.9		2.6		mg/Kg	1	☼	6010B	Total/NA
Barium	375		0.65		mg/Kg	1	☼	6010B	Total/NA
Cadmium	6.0		0.26		mg/Kg	1	☼	6010B	Total/NA
Chromium	67.6		0.65		mg/Kg	1	☼	6010B	Total/NA
Lead	292		1.3		mg/Kg	1	☼	6010B	Total/NA
Silver	0.73		0.65		mg/Kg	1	☼	6010B	Total/NA
Mercury	0.35		0.021		mg/Kg	1	☼	7471A	Total/NA

Client Sample ID: TP-10 (9-11)

Lab Sample ID: 480-20163-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.2	J	5.4	1.0	ug/Kg	1	☼	8260B	Total/NA
2-Butanone (MEK)	6.0	J	27	2.0	ug/Kg	1	☼	8260B	Total/NA
Acetone	42		27	4.5	ug/Kg	1	☼	8260B	Total/NA
m,p-Xylene	3.0	J	11	0.90	ug/Kg	1	☼	8260B	Total/NA
Xylenes, Total	3.0	J	11	0.90	ug/Kg	1	☼	8260B	Total/NA
Arsenic	5.1		2.3		mg/Kg	1	☼	6010B	Total/NA
Barium	76.7		0.58		mg/Kg	1	☼	6010B	Total/NA
Cadmium	0.25		0.23		mg/Kg	1	☼	6010B	Total/NA
Chromium	15.3		0.58		mg/Kg	1	☼	6010B	Total/NA
Lead	14.0		1.2		mg/Kg	1	☼	6010B	Total/NA

Client Sample ID: TP-1 (7-9)
Date Collected: 05/16/12 09:30
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-1
Matrix: Solid
Percent Solids: 87.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	25	J	190	2.2	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Acenaphthylene	10	J	190	1.5	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Anthracene	47	J	190	4.8	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Benzo(a)anthracene	170	J B	190	3.2	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Benzo(a)pyrene	180	J B	190	4.5	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Benzo(b)fluoranthene	200	B	190	3.6	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Benzo(g,h,i)perylene	110	J B	190	2.2	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Benzo(k)fluoranthene	80	J B	190	2.1	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Chrysene	150	J B	190	1.9	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Dibenz(a,h)anthracene	35	J	190	2.2	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Fluoranthene	220	B	190	2.7	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Fluorene	16	J	190	4.3	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Indeno(1,2,3-cd)pyrene	92	J B	190	5.2	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Naphthalene	100	J	190	3.1	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Phenanthrene	220	B	190	3.9	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1
Pyrene	220	B	190	1.2	ug/Kg	☼	05/18/12 08:18	05/23/12 23:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isophorone	*150*	*J*	*ug/Kg*	☼	*7.19*	*78-59-1*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
2-Methylnaphthalene	*120*	*J*	*ug/Kg*	☼	*8.70*	*91-57-6*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Pentadecane	*180*	*T J N*	*ug/Kg*	☼	*10.00*	*629-62-9*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Dibenzofuran	*30*	*J*	*ug/Kg*	☼	*10.29*	*132-64-9*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Diethyl phthalate	*51*	*J B*	*ug/Kg*	☼	*10.58*	*84-66-2*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*10.85*		*05/18/12 08:18*	*05/23/12 23:28*	*1*
Heptadecane	*380*	*T J N*	*ug/Kg*	☼	*11.13*	*629-78-7*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Pentadecane, 2,6,10,14-tetramethyl-	*280*	*T J N*	*ug/Kg*	☼	*11.15*	*1921-70-6*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Octadecane	*250*	*T J N*	*ug/Kg*	☼	*11.61*	*593-45-3*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Carbazole	*20*	*J B*	*ug/Kg*	☼	*11.97*	*86-74-8*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Nonadecane	*230*	*T J N*	*ug/Kg*	☼	*12.03*	*629-92-5*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Hexadecanoic acid, butyl ester	*270*	*T J N*	*ug/Kg*	☼	*13.08*	*111-6-8*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Octadecanoic acid, butyl ester	*260*	*T J N*	*ug/Kg*	☼	*13.70*	*123-95-5*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*16.12*		*05/18/12 08:18*	*05/23/12 23:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*39 - 146*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
2-Fluorophenol	*64*		*18 - 120*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
2-Fluorobiphenyl	*101*		*37 - 120*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Phenol-d5	*77*		*11 - 120*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
p-Terphenyl-d14	*120*		*65 - 153*	*05/18/12 08:18*	*05/23/12 23:28*	*1*
Nitrobenzene-d5	*75*		*34 - 132*	*05/18/12 08:18*	*05/23/12 23:28*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.8		2.3		mg/Kg	☼	05/21/12 15:30	05/22/12 18:31	1
Barium	133		0.58		mg/Kg	☼	05/21/12 15:30	05/22/12 18:31	1
Cadmium	1.7		0.23		mg/Kg	☼	05/21/12 15:30	05/22/12 18:31	1
Chromium	77.3		0.58		mg/Kg	☼	05/21/12 15:30	05/22/12 18:31	1
Lead	1160		1.2		mg/Kg	☼	05/21/12 15:30	05/22/12 18:31	1
Selenium	ND		4.7		mg/Kg	☼	05/21/12 15:30	05/22/12 18:31	1
Silver	ND		0.58		mg/Kg	☼	05/21/12 15:30	05/22/12 18:31	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Client Sample ID: TP-1 (7-9)
Date Collected: 05/16/12 09:30
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-1
Matrix: Solid
Percent Solids: 87.5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.0		0.22		mg/Kg	☼	05/21/12 07:45	05/21/12 13:11	10

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Client Sample ID: TP-3 (4-5)
Date Collected: 05/16/12 10:30
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-2
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		30	2.2	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,1,2,2-Tetrachloroethane	ND		30	4.9	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		30	6.8	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,1,2-Trichloroethane	ND		30	3.9	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,1-Dichloroethane	ND		30	3.7	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,1-Dichloroethene	ND		30	3.7	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,2,4-Trichlorobenzene	ND		30	1.8	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,2,4-Trimethylbenzene	**700**	**B**	30	5.8	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,2-Dibromo-3-Chloropropane	ND		30	15	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,2-Dibromoethane	ND		30	3.9	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,2-Dichlorobenzene	ND		30	2.3	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,2-Dichloroethane	ND		30	1.5	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,2-Dichloropropane	ND		30	15	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,3,5-Trimethylbenzene	ND		30	1.9	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,3-Dichlorobenzene	ND		30	1.5	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
1,4-Dichlorobenzene	ND		30	4.2	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
2-Butanone (MEK)	**26**	**J**	150	11	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
2-Hexanone	ND		150	15	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
4-Isopropyltoluene	ND		30	2.4	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
4-Methyl-2-pentanone (MIBK)	ND		150	9.9	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Acetone	**170**		150	25	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Benzene	ND		30	1.5	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Bromodichloromethane	ND		30	4.0	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Bromoform	ND		30	15	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Bromomethane	ND		30	2.7	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Carbon disulfide	ND		30	15	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Carbon tetrachloride	ND		30	2.9	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Chlorobenzene	ND		30	4.0	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Chloroethane	ND		30	6.8	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Chloroform	ND		30	1.9	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Chloromethane	ND		30	1.8	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
cis-1,2-Dichloroethene	ND		30	3.8	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
cis-1,3-Dichloropropene	ND		30	4.3	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Cyclohexane	**270**		30	4.2	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Dibromochloromethane	ND		30	3.8	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Dichlorodifluoromethane	ND		30	2.5	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Ethylbenzene	ND		30	2.1	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Isopropylbenzene	**250**		30	4.5	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
m,p-Xylene	**91**	**B**	60	5.0	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Methyl acetate	ND		30	5.6	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Methyl tert-butyl ether	ND		30	2.9	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Methylcyclohexane	**550**		30	4.6	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Methylene Chloride	ND		30	14	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
n-Butylbenzene	ND		30	2.6	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
N-Propylbenzene	**380**		30	2.4	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
o-Xylene	ND		30	3.9	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
sec-Butylbenzene	ND		30	2.6	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Styrene	ND		30	1.5	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
tert-Butylbenzene	**19**	**J**	30	3.1	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Tetrachloroethene	ND		30	4.0	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Toluene	ND		30	2.3	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1

Client Sample ID: TP-3 (4-5)
Date Collected: 05/16/12 10:30
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-2
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		30	3.1	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
trans-1,3-Dichloropropene	ND		30	13	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Trichloroethene	ND		30	6.6	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Trichlorofluoromethane	ND		30	2.8	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Vinyl chloride	ND		30	3.7	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1
Xylenes, Total	**91**	**B**	60	5.0	ug/Kg	☼	05/21/12 15:00	05/22/12 06:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane, 1,3-dimethyl-, cis-	*1300*	*T J N*	*ug/Kg*	☼	*6.96*	*638-4-0*	*05/21/12 15:00*	*05/22/12 06:11*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*7.15*		*05/21/12 15:00*	*05/22/12 06:11*	*1*
Unknown	*710*	*T J*	*ug/Kg*	☼	*7.41*		*05/21/12 15:00*	*05/22/12 06:11*	*1*
Heptane, 2,6-dimethyl-	*780*	*T J N*	*ug/Kg*	☼	*7.53*	*1072-5-5*	*05/21/12 15:00*	*05/22/12 06:11*	*1*
Cyclohexane, ethyl-	*1000*	*T J N*	*ug/Kg*	☼	*7.88*	*1678-91-7*	*05/21/12 15:00*	*05/22/12 06:11*	*1*
Unknown	*1600*	*T J*	*ug/Kg*	☼	*7.92*		*05/21/12 15:00*	*05/22/12 06:11*	*1*
Cyclohexane, 1-ethyl-2-methyl-, trans-	*1400*	*T J N*	*ug/Kg*	☼	*9.02*	*4923-78-8*	*05/21/12 15:00*	*05/22/12 06:11*	*1*
Octane, 2,6-dimethyl-	*1500*	*T J N*	*ug/Kg*	☼	*9.13*	*2051-30-1*	*05/21/12 15:00*	*05/22/12 06:11*	*1*
Unknown	*1200*	*T J*	*ug/Kg*	☼	*9.29*		*05/21/12 15:00*	*05/22/12 06:11*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*10.00*		*05/21/12 15:00*	*05/22/12 06:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 126*	*05/21/12 15:00*	*05/22/12 06:11*	*1*
4-Bromofluorobenzene (Surr)	*127*	*X*	*72 - 126*	*05/21/12 15:00*	*05/22/12 06:11*	*1*
Toluene-d8 (Surr)	*116*		*71 - 125*	*05/21/12 15:00*	*05/22/12 06:11*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		210	2.4	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Acenaphthylene	ND		210	1.7	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Anthracene	ND		210	5.3	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Benzo(a)anthracene	ND		210	3.6	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Benzo(a)pyrene	ND		210	5.0	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Benzo(b)fluoranthene	ND		210	4.0	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Benzo(g,h,i)perylene	ND		210	2.5	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Benzo(k)fluoranthene	ND		210	2.3	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Chrysene	ND		210	2.1	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Dibenz(a,h)anthracene	ND		210	2.4	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Fluoranthene	ND		210	3.0	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Fluorene	ND		210	4.8	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Indeno(1,2,3-cd)pyrene	ND		210	5.7	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Naphthalene	**5.2**	**J**	210	3.5	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Phenanthrene	ND		210	4.4	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1
Pyrene	ND		210	1.3	ug/Kg	☼	05/18/12 08:18	05/23/12 23:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane, 1,1,3-trimethyl-	*320*	*T J N*	*ug/Kg*	☼	*3.95*	*3073-66-3*	*05/18/12 08:18*	*05/23/12 23:52*	*1*
Unknown	*240*	*T J*	*ug/Kg*	☼	*4.54*		*05/18/12 08:18*	*05/23/12 23:52*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*4.84*		*05/18/12 08:18*	*05/23/12 23:52*	*1*
Ethane, 1,1,2,2-tetrachloro-	*240*	*T J N*	*ug/Kg*	☼	*4.93*	*79-34-5*	*05/18/12 08:18*	*05/23/12 23:52*	*1*
Cyclohexane, 1-propenyl-	*330*	*T J N*	*ug/Kg*	☼	*5.01*	*5364-83-0*	*05/18/12 08:18*	*05/23/12 23:52*	*1*
Unknown	*870*	*T J*	*ug/Kg*	☼	*5.12*		*05/18/12 08:18*	*05/23/12 23:52*	*1*
Unknown	*320*	*T J*	*ug/Kg*	☼	*5.36*		*05/18/12 08:18*	*05/23/12 23:52*	*1*

Client Sample ID: TP-3 (4-5)
Date Collected: 05/16/12 10:30
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-2
Matrix: Solid
Percent Solids: 80.8

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	240	T J	ug/Kg	☼	5.44		05/18/12 08:18	05/23/12 23:52	1
Unknown	390	T J	ug/Kg	☼	5.48		05/18/12 08:18	05/23/12 23:52	1
Cyclohexane, 1,4-dimethyl-	340	T J N	ug/Kg	☼	5.74	589-90-2	05/18/12 08:18	05/23/12 23:52	1
Decane, 4-methyl-	480	T J N	ug/Kg	☼	6.11	2847-72-5	05/18/12 08:18	05/23/12 23:52	1
Unknown	390	T J	ug/Kg	☼	6.29		05/18/12 08:18	05/23/12 23:52	1
Unknown	230	T J	ug/Kg	☼	7.14		05/18/12 08:18	05/23/12 23:52	1
Unknown	230	T J	ug/Kg	☼	7.28		05/18/12 08:18	05/23/12 23:52	1
Hexadecanoic acid, butyl ester	260	T J N	ug/Kg	☼	13.08	111-6-8	05/18/12 08:18	05/23/12 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		39 - 146	05/18/12 08:18	05/23/12 23:52	1
2-Fluorophenol	61		18 - 120	05/18/12 08:18	05/23/12 23:52	1
2-Fluorobiphenyl	79		37 - 120	05/18/12 08:18	05/23/12 23:52	1
Phenol-d5	66		11 - 120	05/18/12 08:18	05/23/12 23:52	1
p-Terphenyl-d14	108		65 - 153	05/18/12 08:18	05/23/12 23:52	1
Nitrobenzene-d5	70		34 - 132	05/18/12 08:18	05/23/12 23:52	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.5**		2.4		mg/Kg	☼	05/21/12 15:30	05/22/12 18:33	1
Barium	**112**		0.59		mg/Kg	☼	05/21/12 15:30	05/22/12 18:33	1
Cadmium	ND		0.24		mg/Kg	☼	05/21/12 15:30	05/22/12 18:33	1
Chromium	**18.8**		0.59		mg/Kg	☼	05/21/12 15:30	05/22/12 18:33	1
Lead	**19.0**		1.2		mg/Kg	☼	05/21/12 15:30	05/22/12 18:33	1
Selenium	ND		4.7		mg/Kg	☼	05/21/12 15:30	05/22/12 18:33	1
Silver	ND		0.59		mg/Kg	☼	05/21/12 15:30	05/22/12 18:33	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.025		mg/Kg	☼	05/21/12 07:45	05/21/12 10:48	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Client Sample ID: TP-4 (3-5)
Date Collected: 05/16/12 11:30
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-3
Matrix: Solid
Percent Solids: 76.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1300	350	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,1,2,2-Tetrachloroethane	ND		1300	200	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1300	630	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,1,2-Trichloroethane	ND		1300	260	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,1-Dichloroethane	ND		1300	390	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,1-Dichloroethene	ND		1300	440	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,2,4-Trichlorobenzene	ND		1300	480	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,2,4-Trimethylbenzene	**85000**		1300	350	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,2-Dibromo-3-Chloropropane	ND		1300	630	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,2-Dibromoethane	ND		1300	48	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,2-Dichlorobenzene	ND		1300	320	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,2-Dichloroethane	ND		1300	520	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,2-Dichloropropane	ND		1300	200	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,3,5-Trimethylbenzene	**35000**		1300	380	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,3-Dichlorobenzene	ND		1300	340	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
1,4-Dichlorobenzene	ND		1300	180	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
2-Butanone (MEK)	ND		6300	3700	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
2-Hexanone	ND		6300	2600	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
4-Isopropyltoluene	**7200**		1300	420	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
4-Methyl-2-pentanone (MIBK)	ND		6300	400	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Acetone	ND		6300	5200	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Benzene	ND		1300	61	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Bromodichloromethane	ND		1300	250	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Bromoform	ND		1300	630	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Bromomethane	ND		1300	280	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Carbon disulfide	ND		1300	570	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Carbon tetrachloride	ND		1300	320	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Chlorobenzene	ND		1300	170	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Chloroethane	ND		1300	260	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Chloroform	ND		1300	870	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Chloromethane	ND		1300	300	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
cis-1,2-Dichloroethene	ND		1300	350	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
cis-1,3-Dichloropropene	ND		1300	300	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Cyclohexane	**19000**		1300	280	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Dibromochloromethane	ND		1300	610	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Dichlorodifluoromethane	ND		1300	550	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Ethylbenzene	**23000**		1300	370	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Isopropylbenzene	**9600**		1300	190	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
m,p-Xylene	**100000**		2500	700	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Methyl acetate	ND		1300	600	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Methyl tert-butyl ether	ND		1300	480	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Methylcyclohexane	**120000**		1300	590	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Methylene Chloride	ND		1300	250	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
n-Butylbenzene	**7700**		1300	370	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
N-Propylbenzene	**13000**		1300	330	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
o-Xylene	**800**	**J**	1300	160	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
sec-Butylbenzene	**3300**		1300	460	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Styrene	ND		1300	300	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
tert-Butylbenzene	ND		1300	350	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Tetrachloroethene	ND		1300	170	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Toluene	ND		1300	340	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10

Client Sample ID: TP-4 (3-5)
Date Collected: 05/16/12 11:30
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-3
Matrix: Solid
Percent Solids: 76.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		1300	300	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
trans-1,3-Dichloropropene	ND		1300	61	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Trichloroethene	ND		1300	350	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Trichlorofluoromethane	ND		1300	590	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Vinyl chloride	ND		1300	420	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10
Xylenes, Total	**100000**		2500	210	ug/Kg	☼	05/21/12 21:24	05/23/12 18:35	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
n-Heptane	*90000*		*ug/Kg*	☼	*4.72*	*142-82-5*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
Cyclopentane, 1,2,3-trimethyl-, (1.alpha	*52000*	*T J N*	*ug/Kg*	☼	*5.46*	*2613-69-6*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
Heptane, 2-methyl-	*120000*	*T J N*	*ug/Kg*	☼	*5.60*	*592-27-8*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
Heptane, 3-methyl-	*76000*	*T J N*	*ug/Kg*	☼	*5.72*	*589-81-1*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
Cyclohexane, 1,3-dimethyl-, trans-	*130000*	*T J N*	*ug/Kg*	☼	*5.88*	*2207-3-6*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
Octane	*67000*	*T J N*	*ug/Kg*	☼	*6.04*	*111-65-9*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
Cyclohexane, 1,1,3-trimethyl-	*61000*	*T J N*	*ug/Kg*	☼	*6.64*	*3073-66-3*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
Octane, 2-methyl-	*62000*	*T J N*	*ug/Kg*	☼	*6.83*	*3221-61-2*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
Cyclohexane, propyl-	*54000*	*T J N*	*ug/Kg*	☼	*7.73*	*1678-92-8*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
Benzene, 1-ethyl-2-methyl-	*100000*	*T J N*	*ug/Kg*	☼	*8.27*	*611-14-3*	*05/21/12 21:24*	*05/23/12 18:35*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*188*	*X*	*53 - 146*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
4-Bromofluorobenzene (Surr)	*62*		*49 - 148*	*05/21/12 21:24*	*05/23/12 18:35*	*10*
Toluene-d8 (Surr)	*64*		*50 - 149*	*05/21/12 21:24*	*05/23/12 18:35*	*10*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1100	13	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Acenaphthylene	ND		1100	9.0	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Anthracene	ND		1100	28	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Benzo(a)anthracene	ND		1100	19	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Benzo(a)pyrene	ND		1100	27	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Benzo(b)fluoranthene	ND		1100	21	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Benzo(g,h,i)perylene	ND		1100	13	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Benzo(k)fluoranthene	ND		1100	12	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Chrysene	ND		1100	11	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Dibenz(a,h)anthracene	ND		1100	13	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Fluoranthene	ND		1100	16	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Fluorene	ND		1100	25	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Indeno(1,2,3-cd)pyrene	ND		1100	30	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Naphthalene	**4400**		1100	18	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Phenanthrene	ND		1100	23	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5
Pyrene	ND		1100	7.1	ug/Kg	☼	05/18/12 08:18	05/24/12 00:15	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Octane	*9600*	*T J N*	*ug/Kg*	☼	*3.38*	*111-65-9*	*05/18/12 08:18*	*05/24/12 00:15*	*5*
Cyclohexane, 1,1,3-trimethyl-	*9000*	*T J N*	*ug/Kg*	☼	*3.95*	*3073-66-3*	*05/18/12 08:18*	*05/24/12 00:15*	*5*
Unknown	*16000*	*T J*	*ug/Kg*	☼	*4.22*		*05/18/12 08:18*	*05/24/12 00:15*	*5*
Cyclohexane, 1-ethyl-4-methyl-, trans-	*9200*	*T J N*	*ug/Kg*	☼	*4.85*	*6236-88-0*	*05/18/12 08:18*	*05/24/12 00:15*	*5*
Unknown	*10000*	*T J*	*ug/Kg*	☼	*5.01*		*05/18/12 08:18*	*05/24/12 00:15*	*5*
Unknown	*22000*	*T J*	*ug/Kg*	☼	*5.12*		*05/18/12 08:18*	*05/24/12 00:15*	*5*

Client Sample ID: TP-4 (3-5)
Date Collected: 05/16/12 11:30
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-3
Matrix: Solid
Percent Solids: 76.4

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	11000	T J	ug/Kg	☼	5.36		05/18/12 08:18	05/24/12 00:15	5
Benzene, 1-ethyl-3-methyl-	18000	T J N	ug/Kg	☼	5.47	620-14-4	05/18/12 08:18	05/24/12 00:15	5
Benzene, 1-ethyl-2-methyl-	8700	T J N	ug/Kg	☼	5.50	611-14-3	05/18/12 08:18	05/24/12 00:15	5
Benzene, 1-ethyl-2-methyl-	8000	T J N	ug/Kg	☼	5.67	611-14-3	05/18/12 08:18	05/24/12 00:15	5
Benzene, 1,2,3-trimethyl-	14000	T J N	ug/Kg	☼	5.85	526-73-8	05/18/12 08:18	05/24/12 00:15	5
Unknown	9900	T J	ug/Kg	☼	6.11		05/18/12 08:18	05/24/12 00:15	5
Benzene, 1-ethyl-3-methyl-	8000	T J N	ug/Kg	☼	6.16	620-14-4	05/18/12 08:18	05/24/12 00:15	5
Unknown	15000	T J	ug/Kg	☼	6.29		05/18/12 08:18	05/24/12 00:15	5
Benzene, 4-ethyl-1,2-dimethyl-	8900	T J N	ug/Kg	☼	6.78	934-80-5	05/18/12 08:18	05/24/12 00:15	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	104		39 - 146	05/18/12 08:18	05/24/12 00:15	5
2-Fluorophenol	80		18 - 120	05/18/12 08:18	05/24/12 00:15	5
2-Fluorobiphenyl	96		37 - 120	05/18/12 08:18	05/24/12 00:15	5
Phenol-d5	86		11 - 120	05/18/12 08:18	05/24/12 00:15	5
p-Terphenyl-d14	119		65 - 153	05/18/12 08:18	05/24/12 00:15	5
Nitrobenzene-d5	122		34 - 132	05/18/12 08:18	05/24/12 00:15	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.3**		2.6		mg/Kg	☼	05/21/12 15:30	05/22/12 18:36	1
Barium	**117**		0.65		mg/Kg	☼	05/21/12 15:30	05/22/12 18:36	1
Cadmium	**0.33**		0.26		mg/Kg	☼	05/21/12 15:30	05/22/12 18:36	1
Chromium	**14.4**		0.65		mg/Kg	☼	05/21/12 15:30	05/22/12 18:36	1
Lead	**34.9**		1.3		mg/Kg	☼	05/21/12 15:30	05/22/12 18:36	1
Selenium	ND		5.2		mg/Kg	☼	05/21/12 15:30	05/22/12 18:36	1
Silver	ND		0.65		mg/Kg	☼	05/21/12 15:30	05/22/12 18:36	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.083**		0.026		mg/Kg	☼	05/21/12 07:45	05/21/12 10:50	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Client Sample ID: TP-5 (7-9)
Date Collected: 05/16/12 14:00
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-4
Matrix: Solid
Percent Solids: 83.7

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		2000	23	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Acenaphthylene	ND		2000	16	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Anthracene	**110**	**J**	2000	51	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Benzo(a)anthracene	**610**	**J B**	2000	34	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Benzo(a)pyrene	**580**	**J B**	2000	48	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Benzo(b)fluoranthene	**720**	**J B**	2000	39	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Benzo(g,h,i)perylene	**400**	**J B**	2000	24	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Benzo(k)fluoranthene	**320**	**J B**	2000	22	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Chrysene	**600**	**J B**	2000	20	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Dibenz(a,h)anthracene	ND		2000	23	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Fluoranthene	**960**	**J B**	2000	29	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Fluorene	ND		2000	46	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Indeno(1,2,3-cd)pyrene	**310**	**J B**	2000	55	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Naphthalene	ND		2000	33	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Phenanthrene	**660**	**J B**	2000	42	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10
Pyrene	**1000**	**J B**	2000	13	ug/Kg	☼	05/18/12 08:18	05/24/12 00:39	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼			*05/18/12 08:18*	*05/24/12 00:39*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*108*		*39 - 146*	*05/18/12 08:18*	*05/24/12 00:39*	*10*
2-Fluorophenol	*62*		*18 - 120*	*05/18/12 08:18*	*05/24/12 00:39*	*10*
2-Fluorobiphenyl	*97*		*37 - 120*	*05/18/12 08:18*	*05/24/12 00:39*	*10*
Phenol-d5	*78*		*11 - 120*	*05/18/12 08:18*	*05/24/12 00:39*	*10*
p-Terphenyl-d14	*118*		*65 - 153*	*05/18/12 08:18*	*05/24/12 00:39*	*10*
Nitrobenzene-d5	*78*		*34 - 132*	*05/18/12 08:18*	*05/24/12 00:39*	*10*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.9**		2.6		mg/Kg	☼	05/21/12 15:30	05/22/12 18:38	1
Barium	**375**		0.65		mg/Kg	☼	05/21/12 15:30	05/22/12 18:38	1
Cadmium	**6.0**		0.26		mg/Kg	☼	05/21/12 15:30	05/22/12 18:38	1
Chromium	**67.6**		0.65		mg/Kg	☼	05/21/12 15:30	05/22/12 18:38	1
Lead	**292**		1.3		mg/Kg	☼	05/21/12 15:30	05/22/12 18:38	1
Selenium	ND		5.2		mg/Kg	☼	05/21/12 15:30	05/22/12 18:38	1
Silver	**0.73**		0.65		mg/Kg	☼	05/21/12 15:30	05/22/12 18:38	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.35**		0.021		mg/Kg	☼	05/21/12 07:45	05/21/12 10:51	1

Client Sample ID: TP-10 (9-11)
Date Collected: 05/16/12 15:40
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-5
Matrix: Solid
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.4	0.39	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,1,2,2-Tetrachloroethane	ND		5.4	0.87	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,1,2-Trichloroethane	ND		5.4	0.70	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,1-Dichloroethane	ND		5.4	0.65	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,1-Dichloroethene	ND		5.4	0.66	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,2,4-Trichlorobenzene	ND		5.4	0.33	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,2,4-Trimethylbenzene	**1.2**	**J**	5.4	1.0	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,2-Dibromo-3-Chloropropane	ND		5.4	2.7	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,2-Dibromoethane	ND		5.4	0.69	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,2-Dichlorobenzene	ND		5.4	0.42	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,2-Dichloroethane	ND		5.4	0.27	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,2-Dichloropropane	ND		5.4	2.7	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,3,5-Trimethylbenzene	ND		5.4	0.35	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,3-Dichlorobenzene	ND		5.4	0.28	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
1,4-Dichlorobenzene	ND		5.4	0.75	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
2-Butanone (MEK)	**6.0**	**J**	27	2.0	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
2-Hexanone	ND		27	2.7	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
4-Isopropyltoluene	ND		5.4	0.43	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
4-Methyl-2-pentanone (MIBK)	ND		27	1.8	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Acetone	**42**		27	4.5	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Benzene	ND		5.4	0.26	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Bromodichloromethane	ND		5.4	0.72	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Bromoform	ND		5.4	2.7	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Bromomethane	ND		5.4	0.48	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Carbon disulfide	ND		5.4	2.7	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Carbon tetrachloride	ND		5.4	0.52	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Chlorobenzene	ND		5.4	0.71	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Chloroethane	ND		5.4	1.2	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Chloroform	ND		5.4	0.33	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Chloromethane	ND		5.4	0.32	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
cis-1,2-Dichloroethene	ND		5.4	0.69	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
cis-1,3-Dichloropropene	ND		5.4	0.77	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Cyclohexane	ND		5.4	0.75	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Dibromochloromethane	ND		5.4	0.69	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Dichlorodifluoromethane	ND		5.4	0.44	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Ethylbenzene	ND		5.4	0.37	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Isopropylbenzene	ND		5.4	0.81	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
m,p-Xylene	**3.0**	**J**	11	0.90	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Methyl acetate	ND		5.4	1.0	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Methyl tert-butyl ether	ND		5.4	0.53	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Methylcyclohexane	ND		5.4	0.81	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Methylene Chloride	ND		5.4	2.5	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
n-Butylbenzene	ND		5.4	0.47	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
N-Propylbenzene	ND		5.4	0.43	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
o-Xylene	ND		5.4	0.70	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
sec-Butylbenzene	ND		5.4	0.47	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Styrene	ND		5.4	0.27	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
tert-Butylbenzene	ND		5.4	0.56	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Tetrachloroethene	ND		5.4	0.72	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Toluene	ND		5.4	0.41	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Client Sample ID: TP-10 (9-11)
Date Collected: 05/16/12 15:40
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-5
Matrix: Solid
Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		5.4	0.55	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
trans-1,3-Dichloropropene	ND		5.4	2.4	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Trichloroethene	ND		5.4	1.2	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Trichlorofluoromethane	ND		5.4	0.51	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Vinyl chloride	ND		5.4	0.65	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1
Xylenes, Total	**3.0**	**J**	11	0.90	ug/Kg	☼	05/20/12 11:05	05/20/12 17:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclohexane, 1,3-dimethyl-, trans-	*40*	*T J N*	*ug/Kg*	☼	*7.31*	*2207-3-6*	*05/20/12 11:05*	*05/20/12 17:09*	*1*
Cyclohexane, 1,3,5-trimethyl-	*22*	*T J N*	*ug/Kg*	☼	*8.14*	*1839-63-0*	*05/20/12 11:05*	*05/20/12 17:09*	*1*
Cyclohexane, 1-ethyl-2-methyl-, trans-	*32*	*T J N*	*ug/Kg*	☼	*9.02*	*4923-78-8*	*05/20/12 11:05*	*05/20/12 17:09*	*1*
Octane, 2,6-dimethyl-	*33*	*T J N*	*ug/Kg*	☼	*9.12*	*2051-30-1*	*05/20/12 11:05*	*05/20/12 17:09*	*1*
1H-Indene, octahydro-, cis-	*34*	*T J N*	*ug/Kg*	☼	*9.29*	*4551-51-3*	*05/20/12 11:05*	*05/20/12 17:09*	*1*
trans-4-Decene	*41*	*T J N*	*ug/Kg*	☼	*9.80*	*19398-89-1*	*05/20/12 11:05*	*05/20/12 17:09*	*1*
Cyclopentane, (2-methylbutyl)-	*32*	*T J N*	*ug/Kg*	☼	*10.87*	*53366-38-4*	*05/20/12 11:05*	*05/20/12 17:09*	*1*
Unknown	*22*	*T J*	*ug/Kg*	☼	*11.49*		*05/20/12 11:05*	*05/20/12 17:09*	*1*
Benzene, 1,2,3,5-tetramethyl-	*21*	*T J N*	*ug/Kg*	☼	*11.71*	*527-53-7*	*05/20/12 11:05*	*05/20/12 17:09*	*1*
Dodecane, 6-methyl-	*29*	*T J N*	*ug/Kg*	☼	*12.07*	*6044-71-9*	*05/20/12 11:05*	*05/20/12 17:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*64 - 126*	*05/20/12 11:05*	*05/20/12 17:09*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*05/20/12 11:05*	*05/20/12 17:09*	*1*
Toluene-d8 (Surr)	*92*		*71 - 125*	*05/20/12 11:05*	*05/20/12 17:09*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		200	2.3	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Acenaphthylene	ND		200	1.6	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Anthracene	ND		200	5.0	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Benzo(a)anthracene	ND		200	3.4	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Benzo(a)pyrene	ND		200	4.7	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Benzo(b)fluoranthene	ND		200	3.8	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Benzo(g,h,i)perylene	ND		200	2.3	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Benzo(k)fluoranthene	ND		200	2.1	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Chrysene	ND		200	1.9	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Dibenz(a,h)anthracene	ND		200	2.3	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Fluoranthene	ND		200	2.8	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Fluorene	ND		200	4.5	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Indeno(1,2,3-cd)pyrene	ND		200	5.4	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Naphthalene	ND		200	3.2	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Phenanthrene	ND		200	4.1	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1
Pyrene	ND		200	1.3	ug/Kg	☼	05/18/12 08:18	05/24/12 01:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethane, 1,1,2,2-tetrachloro-	*340*	*T J N*	*ug/Kg*	☼	*4.93*	*79-34-5*	*05/18/12 08:18*	*05/24/12 01:03*	*1*
Diethyl phthalate	*38*	*J B*	*ug/Kg*	☼	*10.59*	*84-66-2*	*05/18/12 08:18*	*05/24/12 01:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*39 - 146*	*05/18/12 08:18*	*05/24/12 01:03*	*1*
2-Fluorophenol	*60*		*18 - 120*	*05/18/12 08:18*	*05/24/12 01:03*	*1*
2-Fluorobiphenyl	*85*		*37 - 120*	*05/18/12 08:18*	*05/24/12 01:03*	*1*

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Client Sample ID: TP-10 (9-11)
Date Collected: 05/16/12 15:40
Date Received: 05/17/12 09:00

Lab Sample ID: 480-20163-5
Matrix: Solid
Percent Solids: 86.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*68*		*11 - 120*	*05/18/12 08:18*	*05/24/12 01:03*	*1*
p-Terphenyl-d14	*113*		*65 - 153*	*05/18/12 08:18*	*05/24/12 01:03*	*1*
Nitrobenzene-d5	*72*		*34 - 132*	*05/18/12 08:18*	*05/24/12 01:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.1**		2.3		mg/Kg	☼	05/21/12 15:30	05/22/12 18:41	1
Barium	**76.7**		0.58		mg/Kg	☼	05/21/12 15:30	05/22/12 18:41	1
Cadmium	**0.25**		0.23		mg/Kg	☼	05/21/12 15:30	05/22/12 18:41	1
Chromium	**15.3**		0.58		mg/Kg	☼	05/21/12 15:30	05/22/12 18:41	1
Lead	**14.0**		1.2		mg/Kg	☼	05/21/12 15:30	05/22/12 18:41	1
Selenium	ND		4.7		mg/Kg	☼	05/21/12 15:30	05/22/12 18:41	1
Silver	ND		0.58		mg/Kg	☼	05/21/12 15:30	05/22/12 18:41	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.023		mg/Kg	☼	05/21/12 07:45	05/21/12 10:53	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		12DCE	BFB	TOL						
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(71-125)						
480-20163-2	TP-3 (4-5)	108	127 X	116						
480-20163-5	TP-10 (9-11)	95	94	92						
LCS 480-65238/6	Lab Control Sample	93	103	97						
LCS 480-65414/6	Lab Control Sample	90	100	97						
MB 480-65238/7	Method Blank	88	101	97						
MB 480-65414/7	Method Blank	88	99	98						

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
		12DCE	BFB	TOL						
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)						
480-20163-3	TP-4 (3-5)	188 X	62	64						
LCS 480-65416/1-A	Lab Control Sample	112	113	116						
MB 480-65416/2-A	Method Blank	116	112	118						

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		TBP	2FP	FBP	PHL	TPH	NBZ		
Lab Sample ID	Client Sample ID	(39-146)	(18-120)	(37-120)	(11-120)	(65-153)	(34-132)		
480-20163-1	TP-1 (7-9)	111	64	101	77	120	75		
480-20163-2	TP-3 (4-5)	98	61	79	66	108	70		
480-20163-3	TP-4 (3-5)	104	80	96	86	119	122		
480-20163-4	TP-5 (7-9)	108	62	97	78	118	78		
480-20163-5	TP-10 (9-11)	100	60	85	68	113	72		
LCS 480-64990/2-A	Lab Control Sample	108	81	100	87	117	87		
MB 480-64990/1-A	Method Blank	95	65	88	73	101	72		

Surrogate Legend

TBP = 2,4,6-Tribromophenol
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
PHL = Phenol-d5
TPH = p-Terphenyl-d14
NBZ = Nitrobenzene-d5

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

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

Lab Sample ID: MB 480-65238/7
Matrix: Solid
Analysis Batch: 65238

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			05/20/12 11:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			05/20/12 11:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			05/20/12 11:42	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			05/20/12 11:42	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			05/20/12 11:42	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			05/20/12 11:42	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			05/20/12 11:42	1
1,2,4-Trimethylbenzene	ND		5.0	0.96	ug/Kg			05/20/12 11:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			05/20/12 11:42	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			05/20/12 11:42	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			05/20/12 11:42	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			05/20/12 11:42	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			05/20/12 11:42	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg			05/20/12 11:42	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			05/20/12 11:42	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			05/20/12 11:42	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			05/20/12 11:42	1
2-Hexanone	ND		25	2.5	ug/Kg			05/20/12 11:42	1
4-Isopropyltoluene	ND		5.0	0.40	ug/Kg			05/20/12 11:42	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg			05/20/12 11:42	1
Acetone	ND		25	4.2	ug/Kg			05/20/12 11:42	1
Benzene	ND		5.0	0.25	ug/Kg			05/20/12 11:42	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			05/20/12 11:42	1
Bromoform	ND		5.0	2.5	ug/Kg			05/20/12 11:42	1
Bromomethane	ND		5.0	0.45	ug/Kg			05/20/12 11:42	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			05/20/12 11:42	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			05/20/12 11:42	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			05/20/12 11:42	1
Chloroethane	ND		5.0	1.1	ug/Kg			05/20/12 11:42	1
Chloroform	ND		5.0	0.31	ug/Kg			05/20/12 11:42	1
Chloromethane	ND		5.0	0.30	ug/Kg			05/20/12 11:42	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			05/20/12 11:42	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			05/20/12 11:42	1
Cyclohexane	ND		5.0	0.70	ug/Kg			05/20/12 11:42	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			05/20/12 11:42	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			05/20/12 11:42	1
Ethylbenzene	ND		5.0	0.35	ug/Kg			05/20/12 11:42	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			05/20/12 11:42	1
m,p-Xylene	ND		10	0.84	ug/Kg			05/20/12 11:42	1
Methyl acetate	ND		5.0	0.93	ug/Kg			05/20/12 11:42	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			05/20/12 11:42	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			05/20/12 11:42	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			05/20/12 11:42	1
n-Butylbenzene	ND		5.0	0.44	ug/Kg			05/20/12 11:42	1
N-Propylbenzene	ND		5.0	0.40	ug/Kg			05/20/12 11:42	1
o-Xylene	ND		5.0	0.65	ug/Kg			05/20/12 11:42	1
sec-Butylbenzene	ND		5.0	0.44	ug/Kg			05/20/12 11:42	1
Styrene	ND		5.0	0.25	ug/Kg			05/20/12 11:42	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg			05/20/12 11:42	1

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

Lab Sample ID: MB 480-65238/7
Matrix: Solid
Analysis Batch: 65238

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	0.67	ug/Kg			05/20/12 11:42	1
Toluene	ND		5.0	0.38	ug/Kg			05/20/12 11:42	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			05/20/12 11:42	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			05/20/12 11:42	1
Trichloroethene	ND		5.0	1.1	ug/Kg			05/20/12 11:42	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			05/20/12 11:42	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			05/20/12 11:42	1
Xylenes, Total	ND		10	0.84	ug/Kg			05/20/12 11:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*					*05/20/12 11:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*64 - 126*		*05/20/12 11:42*	*1*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*		*05/20/12 11:42*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*		*05/20/12 11:42*	*1*

Lab Sample ID: LCS 480-65238/6
Matrix: Solid
Analysis Batch: 65238

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	54.6		ug/Kg		109	79 - 126
1,1-Dichloroethene	50.0	47.1		ug/Kg		94	65 - 153
1,2,4-Trimethylbenzene	50.0	53.1		ug/Kg		106	74 - 120
1,2-Dichlorobenzene	50.0	54.8		ug/Kg		110	75 - 120
1,2-Dichloroethane	50.0	57.5		ug/Kg		115	77 - 122
Benzene	50.0	53.9		ug/Kg		108	79 - 127
Chlorobenzene	50.0	56.8		ug/Kg		114	76 - 124
cis-1,2-Dichloroethene	50.0	54.4		ug/Kg		109	81 - 117
Ethylbenzene	50.0	56.3		ug/Kg		113	80 - 120
m,p-Xylene	100	113		ug/Kg		113	70 - 130
Methyl tert-butyl ether	50.0	52.4		ug/Kg		105	63 - 125
o-Xylene	50.0	55.6		ug/Kg		111	70 - 130
Tetrachloroethene	50.0	56.8		ug/Kg		114	74 - 122
Toluene	50.0	55.1		ug/Kg		110	74 - 128
trans-1,2-Dichloroethene	50.0	56.2		ug/Kg		112	78 - 126
Trichloroethene	50.0	53.9		ug/Kg		108	77 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*64 - 126*
4-Bromofluorobenzene (Surr)	*103*		*72 - 126*
Toluene-d8 (Surr)	*97*		*71 - 125*

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

Lab Sample ID: MB 480-65414/7
Matrix: Solid
Analysis Batch: 65414

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg			05/21/12 23:30	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg			05/21/12 23:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg			05/21/12 23:30	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg			05/21/12 23:30	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg			05/21/12 23:30	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg			05/21/12 23:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg			05/21/12 23:30	1
1,2,4-Trimethylbenzene	1.23	J	5.0	0.96	ug/Kg			05/21/12 23:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg			05/21/12 23:30	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg			05/21/12 23:30	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg			05/21/12 23:30	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg			05/21/12 23:30	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg			05/21/12 23:30	1
1,3,5-Trimethylbenzene	ND		5.0	0.32	ug/Kg			05/21/12 23:30	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg			05/21/12 23:30	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg			05/21/12 23:30	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg			05/21/12 23:30	1
2-Hexanone	ND		25	2.5	ug/Kg			05/21/12 23:30	1
4-Isopropyltoluene	ND		5.0	0.40	ug/Kg			05/21/12 23:30	1
4-Methyl-2-pentanone (MIBK)	1.63	J	25	1.6	ug/Kg			05/21/12 23:30	1
Acetone	ND		25	4.2	ug/Kg			05/21/12 23:30	1
Benzene	ND		5.0	0.25	ug/Kg			05/21/12 23:30	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg			05/21/12 23:30	1
Bromoform	ND		5.0	2.5	ug/Kg			05/21/12 23:30	1
Bromomethane	ND		5.0	0.45	ug/Kg			05/21/12 23:30	1
Carbon disulfide	ND		5.0	2.5	ug/Kg			05/21/12 23:30	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg			05/21/12 23:30	1
Chlorobenzene	ND		5.0	0.66	ug/Kg			05/21/12 23:30	1
Chloroethane	ND		5.0	1.1	ug/Kg			05/21/12 23:30	1
Chloroform	ND		5.0	0.31	ug/Kg			05/21/12 23:30	1
Chloromethane	ND		5.0	0.30	ug/Kg			05/21/12 23:30	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg			05/21/12 23:30	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg			05/21/12 23:30	1
Cyclohexane	ND		5.0	0.70	ug/Kg			05/21/12 23:30	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg			05/21/12 23:30	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg			05/21/12 23:30	1
Ethylbenzene	0.450	J	5.0	0.35	ug/Kg			05/21/12 23:30	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg			05/21/12 23:30	1
m,p-Xylene	1.67	J	10	0.84	ug/Kg			05/21/12 23:30	1
Methyl acetate	ND		5.0	0.93	ug/Kg			05/21/12 23:30	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg			05/21/12 23:30	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg			05/21/12 23:30	1
Methylene Chloride	ND		5.0	2.3	ug/Kg			05/21/12 23:30	1
n-Butylbenzene	ND		5.0	0.44	ug/Kg			05/21/12 23:30	1
N-Propylbenzene	ND		5.0	0.40	ug/Kg			05/21/12 23:30	1
o-Xylene	ND		5.0	0.65	ug/Kg			05/21/12 23:30	1
sec-Butylbenzene	ND		5.0	0.44	ug/Kg			05/21/12 23:30	1
Styrene	ND		5.0	0.25	ug/Kg			05/21/12 23:30	1
tert-Butylbenzene	ND		5.0	0.52	ug/Kg			05/21/12 23:30	1

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

Lab Sample ID: MB 480-65414/7
Matrix: Solid
Analysis Batch: 65414

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0	0.67	ug/Kg			05/21/12 23:30	1
Toluene	1.04	J	5.0	0.38	ug/Kg			05/21/12 23:30	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg			05/21/12 23:30	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg			05/21/12 23:30	1
Trichloroethene	ND		5.0	1.1	ug/Kg			05/21/12 23:30	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg			05/21/12 23:30	1
Vinyl chloride	ND		5.0	0.61	ug/Kg			05/21/12 23:30	1
Xylenes, Total	1.67	J	10	0.84	ug/Kg			05/21/12 23:30	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*					*05/21/12 23:30*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*64 - 126*		*05/21/12 23:30*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*		*05/21/12 23:30*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*		*05/21/12 23:30*	*1*

Lab Sample ID: LCS 480-65414/6
Matrix: Solid
Analysis Batch: 65414

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	54.7		ug/Kg		109	79 - 126
1,1-Dichloroethene	50.0	44.9		ug/Kg		90	65 - 153
1,2,4-Trimethylbenzene	50.0	54.4		ug/Kg		109	74 - 120
1,2-Dichlorobenzene	50.0	55.1		ug/Kg		110	75 - 120
1,2-Dichloroethane	50.0	56.3		ug/Kg		113	77 - 122
Benzene	50.0	54.7		ug/Kg		109	79 - 127
Chlorobenzene	50.0	56.0		ug/Kg		112	76 - 124
cis-1,2-Dichloroethene	50.0	54.1		ug/Kg		108	81 - 117
Ethylbenzene	50.0	55.6		ug/Kg		111	80 - 120
m,p-Xylene	100	113		ug/Kg		113	70 - 130
Methyl tert-butyl ether	50.0	55.5		ug/Kg		111	63 - 125
o-Xylene	50.0	56.8		ug/Kg		114	70 - 130
Tetrachloroethene	50.0	53.1		ug/Kg		106	74 - 122
Toluene	50.0	55.4		ug/Kg		111	74 - 128
trans-1,2-Dichloroethene	50.0	55.7		ug/Kg		111	78 - 126
Trichloroethene	50.0	53.3		ug/Kg		107	77 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*64 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*
Toluene-d8 (Surr)	*97*		*71 - 125*

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

Lab Sample ID: MB 480-65416/2-A
Matrix: Solid
Analysis Batch: 65406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		99	27	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,1,2,2-Tetrachloroethane	ND		99	16	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		99	50	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,1,2-Trichloroethane	ND		99	21	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,1-Dichloroethane	ND		99	31	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,1-Dichloroethene	ND		99	34	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,2,4-Trichlorobenzene	ND		99	38	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,2,4-Trimethylbenzene	ND		99	28	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,2-Dibromo-3-Chloropropane	ND		99	50	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,2-Dibromoethane	ND		99	3.8	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,2-Dichlorobenzene	ND		99	25	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,2-Dichloroethane	ND		99	40	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,2-Dichloropropane	ND		99	16	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,3,5-Trimethylbenzene	ND		99	30	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,3-Dichlorobenzene	ND		99	26	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
1,4-Dichlorobenzene	ND		99	14	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
2-Butanone (MEK)	ND		500	290	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
2-Hexanone	ND		500	200	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
4-Isopropyltoluene	ND		99	33	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Acetone	ND		500	410	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Benzene	ND		99	4.8	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Bromodichloromethane	ND		99	20	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Bromoform	ND		99	50	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Bromomethane	ND		99	22	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Carbon disulfide	ND		99	45	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Carbon tetrachloride	ND		99	25	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Chlorobenzene	ND		99	13	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Chloroethane	ND		99	21	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Chloroform	ND		99	68	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Chloromethane	ND		99	24	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
cis-1,2-Dichloroethene	ND		99	27	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
cis-1,3-Dichloropropene	ND		99	24	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Cyclohexane	ND		99	22	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Dibromochloromethane	ND		99	48	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Dichlorodifluoromethane	ND		99	43	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Ethylbenzene	ND		99	29	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Isopropylbenzene	ND		99	15	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
m,p-Xylene	ND		200	55	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Methyl acetate	ND		99	47	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Methyl tert-butyl ether	ND		99	37	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Methylcyclohexane	ND		99	46	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Methylene Chloride	ND		99	20	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
n-Butylbenzene	ND		99	29	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
N-Propylbenzene	ND		99	26	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
o-Xylene	ND		99	13	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
sec-Butylbenzene	ND		99	36	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Styrene	ND		99	24	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
tert-Butylbenzene	ND		99	28	ug/Kg		05/21/12 21:24	05/22/12 05:10	1

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

Lab Sample ID: MB 480-65416/2-A
Matrix: Solid
Analysis Batch: 65406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		99	13	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Toluene	ND		99	27	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
trans-1,2-Dichloroethene	ND		99	23	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
trans-1,3-Dichloropropene	ND		99	4.8	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Trichloroethene	ND		99	28	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Trichlorofluoromethane	ND		99	46	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Vinyl chloride	ND		99	33	ug/Kg		05/21/12 21:24	05/22/12 05:10	1
Xylenes, Total	ND		200	17	ug/Kg		05/21/12 21:24	05/22/12 05:10	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*				*05/21/12 21:24*	*05/22/12 05:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*53 - 146*	*05/21/12 21:24*	*05/22/12 05:10*	*1*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*05/21/12 21:24*	*05/22/12 05:10*	*1*
Toluene-d8 (Surr)	*118*		*50 - 149*	*05/21/12 21:24*	*05/22/12 05:10*	*1*

Lab Sample ID: LCS 480-65416/1-A
Matrix: Solid
Analysis Batch: 65406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65416

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	2430	2460		ug/Kg		101	
1,1-Dichloroethene	2430	2090		ug/Kg		86	54 - 144
1,2,4-Trimethylbenzene	2430	2670		ug/Kg		110	
1,2-Dichlorobenzene	2430	2670		ug/Kg		110	
1,2-Dichloroethane	2430	2560		ug/Kg		106	
Benzene	2430	2760		ug/Kg		114	75 - 131
Chlorobenzene	2430	2790		ug/Kg		115	80 - 127
cis-1,2-Dichloroethene	2430	2630		ug/Kg		108	
Ethylbenzene	2430	2820		ug/Kg		116	
m,p-Xylene	4850	5740		ug/Kg		118	
Methyl tert-butyl ether	2430	2180		ug/Kg		90	
o-Xylene	2430	2750		ug/Kg		113	
Tetrachloroethene	2430	2930		ug/Kg		121	
Toluene	2430	2790		ug/Kg		115	76 - 133
trans-1,2-Dichloroethene	2430	2900		ug/Kg		120	
Trichloroethene	2430	2680		ug/Kg		110	77 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*53 - 146*
4-Bromofluorobenzene (Surr)	*113*		*49 - 148*
Toluene-d8 (Surr)	*116*		*50 - 149*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-64990/1-A
Matrix: Solid
Analysis Batch: 65655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 64990

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		170	2.0	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Acenaphthylene	ND		170	1.4	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Anthracene	ND		170	4.3	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Benzo(a)anthracene	20.5	J	170	2.9	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Benzo(a)pyrene	14.7	J	170	4.0	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Benzo(b)fluoranthene	21.9	J	170	3.3	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Benzo(g,h,i)perylene	17.4	J	170	2.0	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Benzo(k)fluoranthene	14.8	J	170	1.8	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Chrysene	12.9	J	170	1.7	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Dibenz(a,h)anthracene	ND		170	2.0	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Fluoranthene	15.8	J	170	2.4	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Fluorene	ND		170	3.9	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Indeno(1,2,3-cd)pyrene	18.3	J	170	4.6	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Naphthalene	ND		170	2.8	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Phenanthrene	15.4	J	170	3.5	ug/Kg		05/18/12 08:18	05/23/12 20:39	1
Pyrene	16.7	J	170	1.1	ug/Kg		05/18/12 08:18	05/23/12 20:39	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Diethyl phthalate	*60.2*	*J*	*ug/Kg*		*10.60*	*84-66-2*	*05/18/12 08:18*	*05/23/12 20:39*	*1*
Carbazole	*13.0*	*J*	*ug/Kg*		*11.98*	*86-74-8*	*05/18/12 08:18*	*05/23/12 20:39*	*1*
Di-n-octyl phthalate	*26.6*	*J*	*ug/Kg*		*14.71*	*117-84-0*	*05/18/12 08:18*	*05/23/12 20:39*	*1*
Tentatively Identified Compound	*None*		*ug/Kg*				*05/18/12 08:18*	*05/23/12 20:39*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*39 - 146*	*05/18/12 08:18*	*05/23/12 20:39*	*1*
2-Fluorophenol	*65*		*18 - 120*	*05/18/12 08:18*	*05/23/12 20:39*	*1*
2-Fluorobiphenyl	*88*		*37 - 120*	*05/18/12 08:18*	*05/23/12 20:39*	*1*
Phenol-d5	*73*		*11 - 120*	*05/18/12 08:18*	*05/23/12 20:39*	*1*
p-Terphenyl-d14	*101*		*65 - 153*	*05/18/12 08:18*	*05/23/12 20:39*	*1*
Nitrobenzene-d5	*72*		*34 - 132*	*05/18/12 08:18*	*05/23/12 20:39*	*1*

Lab Sample ID: LCS 480-64990/2-A
Matrix: Solid
Analysis Batch: 65655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 64990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	3280	3280		ug/Kg		100	53 - 120
Acenaphthylene	3280	3350		ug/Kg		102	58 - 121
Anthracene	3280	3400		ug/Kg		104	62 - 129
Benzo(a)anthracene	3280	3320		ug/Kg		101	65 - 133
Benzo(a)pyrene	3280	3420		ug/Kg		104	64 - 127
Benzo(b)fluoranthene	3280	3510		ug/Kg		107	64 - 135
Benzo(g,h,i)perylene	3280	3370		ug/Kg		103	50 - 152
Benzo(k)fluoranthene	3280	3330		ug/Kg		102	58 - 138
Chrysene	3280	3240		ug/Kg		99	64 - 131
Dibenz(a,h)anthracene	3280	3690		ug/Kg		112	54 - 148
Fluoranthene	3280	3440		ug/Kg		105	62 - 131
Fluorene	3280	3410		ug/Kg		104	63 - 126
Indeno(1,2,3-cd)pyrene	3280	3730		ug/Kg		114	56 - 149

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-64990/2-A
Matrix: Solid
Analysis Batch: 65655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 64990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	3280	2980		ug/Kg		91	46 - 120
Phenanthrene	3280	3390		ug/Kg		103	60 - 130
Pyrene	3280	3370		ug/Kg		103	51 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*108*		*39 - 146*
2-Fluorophenol	*81*		*18 - 120*
2-Fluorobiphenyl	*100*		*37 - 120*
Phenol-d5	*87*		*11 - 120*
p-Terphenyl-d14	*117*		*65 - 153*
Nitrobenzene-d5	*87*		*34 - 132*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-65187/1-A
Matrix: Solid
Analysis Batch: 65616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.9		mg/Kg		05/21/12 15:30	05/22/12 17:35	1
Barium	ND		0.48		mg/Kg		05/21/12 15:30	05/22/12 17:35	1
Cadmium	ND		0.19		mg/Kg		05/21/12 15:30	05/22/12 17:35	1
Chromium	ND		0.48		mg/Kg		05/21/12 15:30	05/22/12 17:35	1
Lead	ND		0.96		mg/Kg		05/21/12 15:30	05/22/12 17:35	1
Selenium	ND		3.8		mg/Kg		05/21/12 15:30	05/22/12 17:35	1
Silver	ND		0.48		mg/Kg		05/21/12 15:30	05/22/12 17:35	1

Lab Sample ID: LCSSRM 480-65187/2-A
Matrix: Solid
Analysis Batch: 65616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65187

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	94.3	90.36		mg/Kg		95.8	69.2 - 131.2
Barium	167	174.2		mg/Kg		104.5	72.5 - 126.9
Cadmium	60.4	60.54		mg/Kg		100.3	73.2 - 126.8
Chromium	70.3	66.41		mg/Kg		94.5	68.5 - 131.5
Lead	91.6	93.02		mg/Kg		101.5	70.3 - 129.6
Selenium	86.2	83.00		mg/Kg		96.2	64.0 - 136.6
Silver	34.3	25.20		mg/Kg		73.4	65.7 - 134.6

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 480-65171/1-A
Matrix: Solid
Analysis Batch: 65360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 65171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019		mg/Kg		05/21/12 07:45	05/21/12 10:43	1

Lab Sample ID: LCSSRM 480-65171/2-A
Matrix: Solid
Analysis Batch: 65360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 65171

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.77	3.07		mg/Kg		81.5	71.6 - 128.4

GC/MS VOA

Analysis Batch: 65238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-5	TP-10 (9-11)	Total/NA	Solid	8260B	65255
LCS 480-65238/6	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-65238/7	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 65255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-5	TP-10 (9-11)	Total/NA	Solid	5035	

Prep Batch: 65370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-2	TP-3 (4-5)	Total/NA	Solid	5035	

Analysis Batch: 65406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-65416/1-A	Lab Control Sample	Total/NA	Solid	8260B	65416
MB 480-65416/2-A	Method Blank	Total/NA	Solid	8260B	65416

Analysis Batch: 65414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-2	TP-3 (4-5)	Total/NA	Solid	8260B	65370
LCS 480-65414/6	Lab Control Sample	Total/NA	Solid	8260B	
MB 480-65414/7	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 65416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-3	TP-4 (3-5)	Total/NA	Solid	5035	
LCS 480-65416/1-A	Lab Control Sample	Total/NA	Solid	5035	
MB 480-65416/2-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 65647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-3	TP-4 (3-5)	Total/NA	Solid	8260B	65416

GC/MS Semi VOA

Prep Batch: 64990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-1	TP-1 (7-9)	Total/NA	Solid	3550B	
480-20163-2	TP-3 (4-5)	Total/NA	Solid	3550B	
480-20163-3	TP-4 (3-5)	Total/NA	Solid	3550B	
480-20163-4	TP-5 (7-9)	Total/NA	Solid	3550B	
480-20163-5	TP-10 (9-11)	Total/NA	Solid	3550B	
LCS 480-64990/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 480-64990/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 65655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-1	TP-1 (7-9)	Total/NA	Solid	8270C	64990
480-20163-2	TP-3 (4-5)	Total/NA	Solid	8270C	64990
480-20163-3	TP-4 (3-5)	Total/NA	Solid	8270C	64990
480-20163-4	TP-5 (7-9)	Total/NA	Solid	8270C	64990
480-20163-5	TP-10 (9-11)	Total/NA	Solid	8270C	64990

GC/MS Semi VOA (Continued)

Analysis Batch: 65655 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-64990/2-A	Lab Control Sample	Total/NA	Solid	8270C	64990
MB 480-64990/1-A	Method Blank	Total/NA	Solid	8270C	64990

Metals

Prep Batch: 65171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-1	TP-1 (7-9)	Total/NA	Solid	7471A	
480-20163-2	TP-3 (4-5)	Total/NA	Solid	7471A	
480-20163-3	TP-4 (3-5)	Total/NA	Solid	7471A	
480-20163-4	TP-5 (7-9)	Total/NA	Solid	7471A	
480-20163-5	TP-10 (9-11)	Total/NA	Solid	7471A	
LCSSRM 480-65171/2-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 480-65171/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 65187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-1	TP-1 (7-9)	Total/NA	Solid	3050B	
480-20163-2	TP-3 (4-5)	Total/NA	Solid	3050B	
480-20163-3	TP-4 (3-5)	Total/NA	Solid	3050B	
480-20163-4	TP-5 (7-9)	Total/NA	Solid	3050B	
480-20163-5	TP-10 (9-11)	Total/NA	Solid	3050B	
LCSSRM 480-65187/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 480-65187/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 65360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-1	TP-1 (7-9)	Total/NA	Solid	7471A	65171
480-20163-2	TP-3 (4-5)	Total/NA	Solid	7471A	65171
480-20163-3	TP-4 (3-5)	Total/NA	Solid	7471A	65171
480-20163-4	TP-5 (7-9)	Total/NA	Solid	7471A	65171
480-20163-5	TP-10 (9-11)	Total/NA	Solid	7471A	65171
LCSSRM 480-65171/2-A	Lab Control Sample	Total/NA	Solid	7471A	65171
MB 480-65171/1-A	Method Blank	Total/NA	Solid	7471A	65171

Analysis Batch: 65616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-1	TP-1 (7-9)	Total/NA	Solid	6010B	65187
480-20163-2	TP-3 (4-5)	Total/NA	Solid	6010B	65187
480-20163-3	TP-4 (3-5)	Total/NA	Solid	6010B	65187
480-20163-4	TP-5 (7-9)	Total/NA	Solid	6010B	65187
480-20163-5	TP-10 (9-11)	Total/NA	Solid	6010B	65187
LCSSRM 480-65187/2-A	Lab Control Sample	Total/NA	Solid	6010B	65187
MB 480-65187/1-A	Method Blank	Total/NA	Solid	6010B	65187

General Chemistry

Analysis Batch: 65041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-1	TP-1 (7-9)	Total/NA	Solid	Moisture	
480-20163-2	TP-3 (4-5)	Total/NA	Solid	Moisture	
480-20163-3	TP-4 (3-5)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 65041 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-20163-4	TP-5 (7-9)	Total/NA	Solid	Moisture	
480-20163-5	TP-10 (9-11)	Total/NA	Solid	Moisture	

Client Sample ID: TP-1 (7-9)

Lab Sample ID: 480-20163-1

Date Collected: 05/16/12 09:30

Matrix: Solid

Date Received: 05/17/12 09:00

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			64990	05/18/12 08:18	CM	TAL BUF
Total/NA	Analysis	8270C		1	65655	05/23/12 23:28	AM	TAL BUF
Total/NA	Prep	7471A			65171	05/21/12 07:45	JRK	TAL BUF
Total/NA	Analysis	7471A		10	65360	05/21/12 13:11	JRK	TAL BUF
Total/NA	Prep	3050B			65187	05/21/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1	65616	05/22/12 18:31	MM	TAL BUF
Total/NA	Analysis	Moisture		1	65041	05/18/12 10:55	ZLR	TAL BUF

Client Sample ID: TP-3 (4-5)

Lab Sample ID: 480-20163-2

Date Collected: 05/16/12 10:30

Matrix: Solid

Date Received: 05/17/12 09:00

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			65370	05/21/12 15:00	JMB	TAL BUF
Total/NA	Analysis	8260B		1	65414	05/22/12 06:11	JMB	TAL BUF
Total/NA	Prep	3550B			64990	05/18/12 08:18	CM	TAL BUF
Total/NA	Analysis	8270C		1	65655	05/23/12 23:52	AM	TAL BUF
Total/NA	Prep	7471A			65171	05/21/12 07:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	65360	05/21/12 10:48	JRK	TAL BUF
Total/NA	Prep	3050B			65187	05/21/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1	65616	05/22/12 18:33	MM	TAL BUF
Total/NA	Analysis	Moisture		1	65041	05/18/12 10:55	ZLR	TAL BUF

Client Sample ID: TP-4 (3-5)

Lab Sample ID: 480-20163-3

Date Collected: 05/16/12 11:30

Matrix: Solid

Date Received: 05/17/12 09:00

Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			65416	05/21/12 21:24	RL	TAL BUF
Total/NA	Analysis	8260B		10	65647	05/23/12 18:35	DE	TAL BUF
Total/NA	Prep	3550B			64990	05/18/12 08:18	CM	TAL BUF
Total/NA	Analysis	8270C		5	65655	05/24/12 00:15	AM	TAL BUF
Total/NA	Prep	7471A			65171	05/21/12 07:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	65360	05/21/12 10:50	JRK	TAL BUF
Total/NA	Prep	3050B			65187	05/21/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1	65616	05/22/12 18:36	MM	TAL BUF
Total/NA	Analysis	Moisture		1	65041	05/18/12 10:55	ZLR	TAL BUF

Client Sample ID: TP-5 (7-9)

Lab Sample ID: 480-20163-4

Date Collected: 05/16/12 14:00

Matrix: Solid

Date Received: 05/17/12 09:00

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			64990	05/18/12 08:18	CM	TAL BUF

Lab Chronicle

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Client Sample ID: TP-5 (7-9)

Lab Sample ID: 480-20163-4

Date Collected: 05/16/12 14:00
Matrix: Solid
Date Received: 05/17/12 09:00
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270C		10	65655	05/24/12 00:39	AM	TAL BUF
Total/NA	Prep	7471A			65171	05/21/12 07:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	65360	05/21/12 10:51	JRK	TAL BUF
Total/NA	Prep	3050B			65187	05/21/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1	65616	05/22/12 18:38	MM	TAL BUF
Total/NA	Analysis	Moisture		1	65041	05/18/12 10:55	ZLR	TAL BUF

Client Sample ID: TP-10 (9-11)

Lab Sample ID: 480-20163-5

Date Collected: 05/16/12 15:40
Matrix: Solid
Date Received: 05/17/12 09:00
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			65255	05/20/12 11:05	JMB	TAL BUF
Total/NA	Analysis	8260B		1	65238	05/20/12 17:09	JMB	TAL BUF
Total/NA	Prep	3550B			64990	05/18/12 08:18	CM	TAL BUF
Total/NA	Analysis	8270C		1	65655	05/24/12 01:03	AM	TAL BUF
Total/NA	Prep	7471A			65171	05/21/12 07:45	JRK	TAL BUF
Total/NA	Analysis	7471A		1	65360	05/21/12 10:53	JRK	TAL BUF
Total/NA	Prep	3050B			65187	05/21/12 15:30	SS	TAL BUF
Total/NA	Analysis	6010B		1	65616	05/22/12 18:41	MM	TAL BUF
Total/NA	Analysis	Moisture		1	65041	05/18/12 10:55	ZLR	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	Federal		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7471A	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Turnkey 1050-1088 Niagara Street

TestAmerica Job ID: 480-20163-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-20163-1	TP-1 (7-9)	Solid	05/16/12 09:30	05/17/12 09:00
480-20163-2	TP-3 (4-5)	Solid	05/16/12 10:30	05/17/12 09:00
480-20163-3	TP-4 (3-5)	Solid	05/16/12 11:30	05/17/12 09:00
480-20163-4	TP-5 (7-9)	Solid	05/16/12 14:00	05/17/12 09:00
480-20163-5	TP-10 (9-11)	Solid	05/16/12 15:40	05/17/12 09:00

[redacted]

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Turnkey	Mike Loszkowski	5-16-12	209429
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
2558 Hamburg Turnpike	(716) 856-0599 / (716) 856-0583		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Buffalo / NY / 14218	Paul W Werthman	B Fischer	
Project Name and Location (State)	**Carrier/Waybill Number**		
1050-1088 Niagara St			
Contract/Purchase Order/Quote No.			
0136-012-004			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL + Stars VOC + TICs	Stars SVOC + TICs	RCRA Metals
TP-1 (7-9)	5-16-12	930				X	3						X	X	X
TP-3 (4-5)		1030				X	3						X	X	X
TP-4 (3-5)		1130				X	3						X	X	X
TP-5 (7-9)		1400				X	3							X	X
TP-10 (9-11)		1540				X	3						X	X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal
~~☒ Return To Client~~ ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Paul W Werthman		
2. Relinquished By: [signature]	5-17-12	11:10
3. Relinquished By		
1. Received By: [signature]	5-17-12	10:15
2. Received By		
3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report: CANARY Stays with the Sample: PINK - Field Copy

Login Sample Receipt Checklist

Client: Turnkey Environmental Restoration, LLC

Job Number: 480-20163-1

Login Number: 20163

List Source: TestAmerica Buffalo

List Number: 1

Creator: May, Joel M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TURNKEY
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	