FILE FC

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VIA CERTIFIED MAIL

RECEIVED-DOCKETING DIV

2010 JUL 19 PM 2:4

Columbia Gas of Ohio

A NiSource Company

July 16, 2010

Ms. Renee J. Jenkins
Director, Administration Department
Secretary to the Commission
Docketing Division
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43215-3793

RE: Columbia Gas of Ohio, Inc.
Construction Notice:
Perkins Ave High Pressure Leakage Project
PUCO Case No. 10-991-GA-BNR

10-991-GA-BNR

Dear Ms. Jenkins:

In accordance with Ohio Administrative Code (OAC) §4906-11-02, Columbia Gas of Ohio, Inc. (Columbia) hereby transmits one (1) original and ten (10) copies of the enclosed proposed pipeline project known as Perkins Ave High Pressure Leakage Project, located on Perkins Ave in Perkins Township, Erie County.

Please be advised of the following:

1. **Project Name**: Perkins Ave High Pressure Leakage Project.

2. **Project Description:** Columbia Gas of Ohio, Inc. plans to directionally drill approximately 600' of 12" steel treated line that currently has an open gas leak. The Company has been asked to resolve the problem completely, as soon as possible, by the Fire Chief of Erie County and Perkins Township for public safety.

   This project meets the requirements of a Construction Notice at it falls under "rerouting or extension or new gas transmission line and associated facilities, not greater than one mile in length." (OAC 4906-1-01, Appendix B).

3. **Project Need:** Columbia Gas is performing this work due to the age and leaking condition of the pipe and due to its direct effect on public safety. The Company crews and contractors have tried all possible ways to eliminate the leak, however, they were only able to downgrade the leak and contain a percentage of it.

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business.
Technician TNM Date Processed 7-19-10

4. **Schedule:** Upon approval of the work, construction is planned to start as early as Sep 1st, 2010 and expected end by Sep 30, 2010.

5. **Capital Cost:** The capital cost of the project is estimated at around $300,000.00.

6. **Operating Features:** The proposed project includes approximately 600 feet of 12-inch high pressure power crete coated steel main. The maximum allowable operating pressure will be 99 PSIG, although operating pressure is planned to be approximately 83 PSIG. All facilities will be installed inside of company owned private easements.

7. **Directional Drilling and Location Characteristics:** See attached drawing.

8. **Map and Directions:** A map of the project location is attached to this Construction Notice. In order to locate the proposed site, take US RT 2 to Sandusky. Take Hayes Ave exit and then head east bound on Strub Rd until it intersects with Perkins Ave. Turn right on Perkins Ave and proceed for approximately 600' to reach a creek. The planned project is to cross the creek with a new pipe.

9. **Easements / Land Agreements:** Are in the process of being acquired from local land and property owners, and will have been finalized by September.

10. **Attachments:** Frac-out "contingency" Plan; Aerial Photo; Soil Chemical Analysis Report and an AutoCAD sketch.

After docketing this filing, please return one time-stamped copy of the Construction Notice for our records to us in the enclosed envelope. We have provided a copy of the Construction Notice by certified mail, with return receipt requested, to each official of the political subdivisions immediately affected by the proposed project as listed in the attached Exhibit 1. Copies of the transmittal letters addressed to the local government representatives of Perkins Township and Erie County are enclosed for your file.

Should staff of the Ohio Power Siting Board desire further information or discussion of this submittal, please contact me at (419) 427-3227.

Sincerely,

Dean Fawaz

Dean Fawaz
Field Engineer I
Columbia Gas of Ohio
1800 Broad Ave
Findlay, Ohio 45840
defawaz@nisource.com
(419) 427-3227

EXHIBIT 1: OFFICIALS SERVED COPY OF CONSTRUCTION NOTIFICATION
PERKINS AVE HIGH PRESSURE LEAKAGE PROJECT
Case No. 10- -GA-BNR

Erie County

Michael Bixler
Erie County Administrator
2900 Columbus Ave
Sandusky, OH 44870

Alex MacNicol
Regional Planning Director
2900 Columbus Ave
Sandusky, OH 44870

Eric Dodrill
Soil and Water Director
2900 Columbus Ave
Sandusky, OH 44870

William Monaghan
Erie County Commissioner
2900 Columbus Ave
Sandusky, OH 44870

Patrick Shenigo
Erie County Commissioner
2900 Columbus Ave
Sandusky, OH 44870

Thomas Ferrell, Jr.
Erie County Commissioner
2900 Columbus Ave
Sandusky, OH 44870

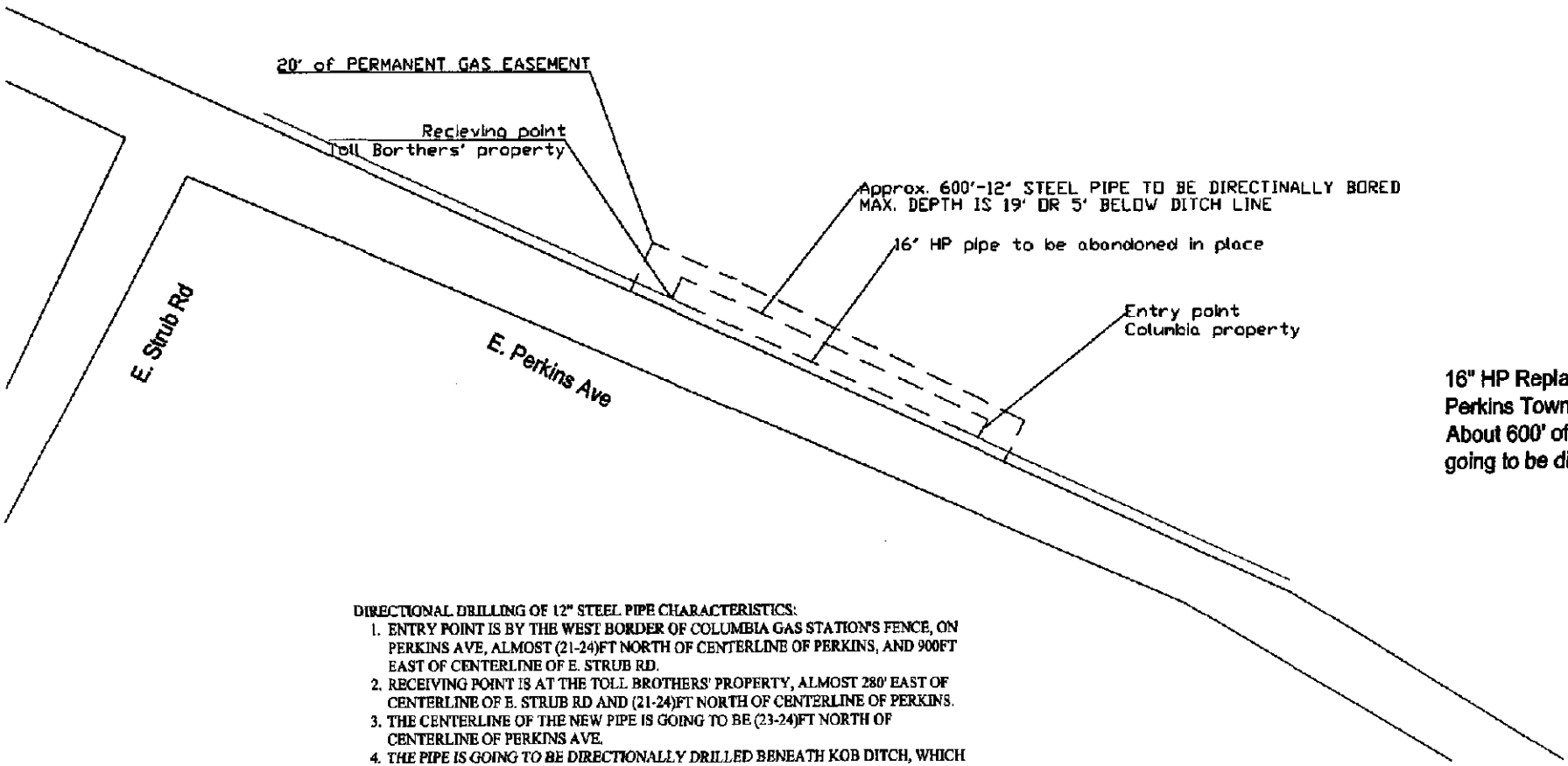
Jack Farschman
Erie County Engineer
2900 Columbus Ave
Sandusky, OH 44870

Perkins Township

Jeff Ferrell
Board of Trustees
5420 Milan RD
Sandusky, OH 44870

Michael Printy
Board of Trustees
5420 Milan RD
Sandusky, OH 44870

Timothy Coleman
Board of Trustees
5420 Milan RD
Sandusky, OH 44870



16" HP Replacement job in Perkins Township, Erie County. About 600' of 12" steel line is going to be directionally bored.

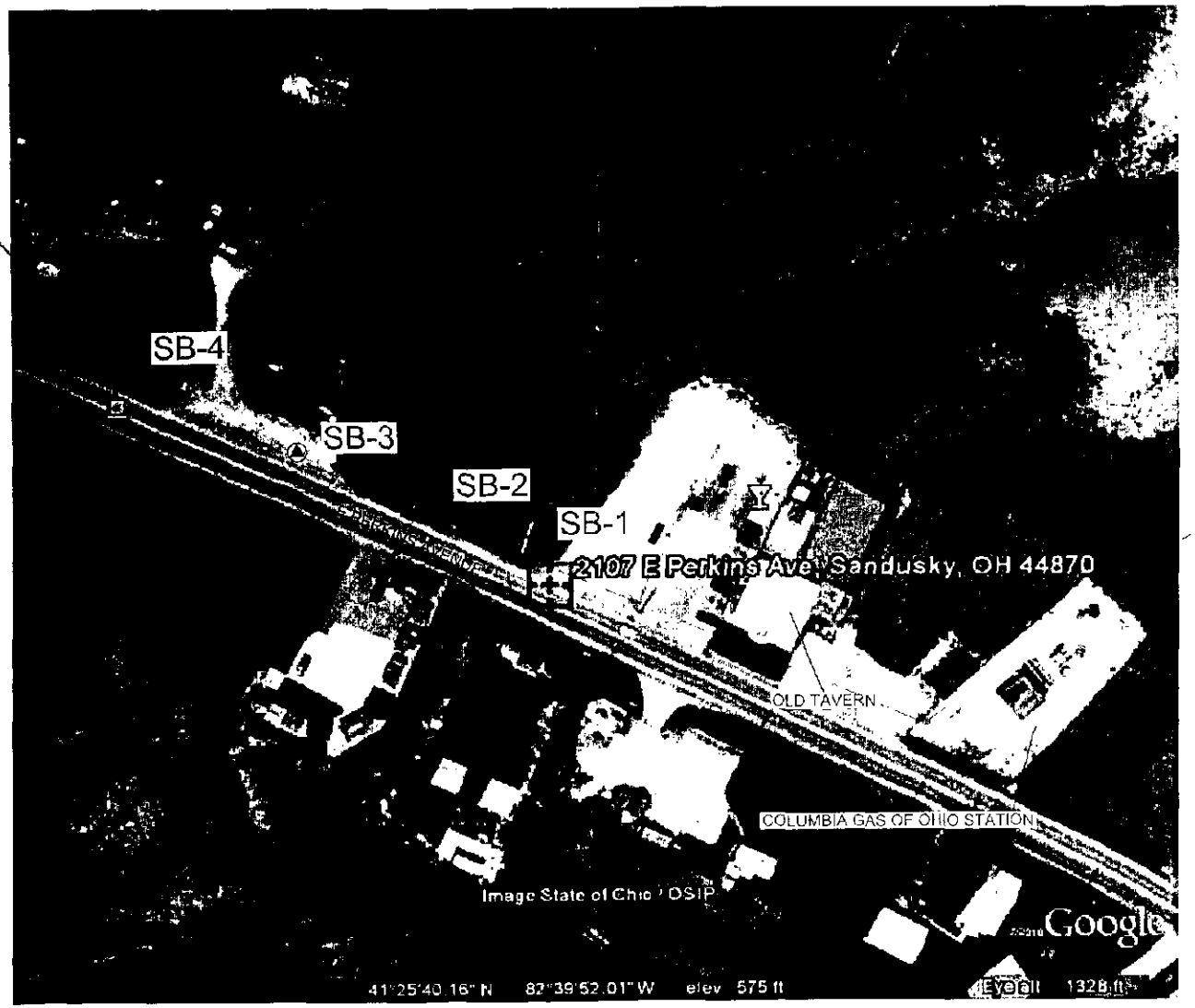
DIRECTIONAL DRILLING OF 12" STEEL PIPE CHARACTERISTICS:

1. ENTRY POINT IS BY THE WEST BORDER OF COLUMBIA GAS STATION'S FENCE, ON PERKINS AVE, ALMOST (21-24)FT NORTH OF CENTERLINE OF PERKINS, AND 900FT EAST OF CENTERLINE OF E. STRUB RD.
2. RECEIVING POINT IS AT THE TOLL BROTHERS' PROPERTY, ALMOST 280' EAST OF CENTERLINE OF E. STRUB RD AND (21-24)FT NORTH OF CENTERLINE OF PERKINS.
3. THE CENTERLINE OF THE NEW PIPE IS GOING TO BE (23-24)FT NORTH OF CENTERLINE OF PERKINS AVE.
4. *THE PIPE IS GOING TO BE DIRECTIONALLY DRILLED BENEATH KOB DITCH, WHICH* CROSSES PERKINS AVE, AND RANGES FROM (10-15)FT IN WIDTH.
5. ERIE COUNTY ENGINEER'S OFFICE REQUESTED THAT WE MAINTAIN A DEPTH OF (18-19)FT BELOW PAVEMENT LINE, OR AT AROUND ELEVATION 565', UNDERNEATH THE DITCH.
6. NO NEED TO UNDERTAKE ANY TREE REMOVAL AS PART OF THIS PROJECT.
7. THE PIPE IS GOING TO BE INSTALLED ENTIRELY IN PRIVATE PROPERTY ACQUIRED BY COLUMBIA GAS OF OHIO, INC.

PROPOSED

COLUMBIA GAS OF OHIO, INC.		
Perkins Ave High Pressure Leakage Project	PROJ-ID:	
AREA: 1054	SYS #: 34007017	
MAP #: 3081-O	TAX: 0220270	
X,Y: 360683,4587620	FILE NAME: 0104871	
DRAWN BY: Dean Fawaz	DATE: 04/26/2010	SCALE:
UPDATED BY:	DATE:	1"=100'

RECIEVING POINT



ENTRY POINT

N

LEGEND:

APPROXIMATE SOIL BORING LOCATION

JM	AGES 2402 Hockstown Grade Road Suite 200 Clinton, PA 15026 412.264.6453	COLUMBIA GAS OF OHIO EAST PERKINS AVENUE SANDUSKY, OHIO SOIL BORING LOCATION MAP
P201026 03-SAN		
SAN E PERKINS b01.dwg		DRAWING NAME: FIGURE 1 — REV. 0
NOT TO SCALE		

Mid-Ohio Pipeline Company, Inc.
"A leader in underground utility installation"

Perkins Rd. – "Frac-Out" Contingency Plan

INTRODUCTION:

This Horizontal Directional "Frac-Out" Contingency Plan provides specific procedures and steps to contain the inadvertent releases of drilling mud ("Frac-Outs") for water bodies that are crossed using horizontal direction drilling (HDD) techniques.

Although directional drilling is a much less intrusive method of crossing than open-trench cutting, there is a possibility of a surface disturbance if a "Frac-Out", or inadvertent return of drilling fluid occurs during the drilling process. Releases are typically caused by the pressurization of the drill hole beyond the containment capability of the overburden soil. Therefore the type of material and the depth of overburden is a key factor in preventing a "Frac-Out". The drilling fluid used in this procedure is a mixture of bentonite and water. Bentonite is a naturally occurring, non-toxic, inert substance and is frequently used for drilling water wells. The impact to water is a temporary increase in turbidity that can impact aquatic life.

PURPOSE:

The purpose of this "Frac-Out" Contingency Plan is to establish procedures for addressing potential impacts associated with the inadvertent release of drilling fluid during the directional drilling of the identified stream and wetland crossing. Every effort will be made to prevent a drilling fluid loss so that it does not become seepage to the ground surface, stream or wetland. This will be done by maintaining proper drilling fluid parameters (viscosity, mud weight, solids content, etc.) and using controlled drilling practices (fluid pressure, drilling rate, flowrate, trip speed, etc.).

A possible pump around plan could be implemented should there be a "Frac-Out" in the stream itself. The stream would be dammed up with sand bags then a pump and hoses would be use to pump around the dammed area to prevent seepage from carrying downstream. This method would be used until the "Frac-Out" was cleaned up and stabilized.

DRILLING ENTRANCE AND EXIT POINTS:

- Mid-Ohio Pipeline will have egress and ingress to both sides of the stream crossing and designated wetland area.
- The identified stream crossing and wetland will be well marked during construction.
- Construction activity around the stream crossing and designated wetland will be reduced to a minimum.
- A temporary sediment barrier (silt fence/straw bales) will be installed prior to drilling operations to contain potential releases where determined necessary based on field conditions at the time of drilling.

- Silt fence will be installed near the stream edge and around the designated wetland area.A tailgate safety meeting will be held prior to starting the directional drilling process.

SUSPECTED "FRAC-OUT":

In the event of a "Frac-Out", the person discovering the release will notify the following individuals and initiate the appropriate response steps. Mid-Ohio Pipeline will work in conjunction with Col Gas in a professional manner to coordinate the notification of the appropriate agencies and obtaining any clearances necessary for clean-up operations. Mid-Ohio Pipeline, Col. Gas personnel, and the directional drilling superintendent will coordinate all response activities in the event of a "Frac-Out".

CORRECTIVE ACTION PLAN - STEPS:

When a "Frac-Out" is suspected while drilling a sensitive area:

- The contractor will temporarily suspend forward progress of the drilling operations if excessive loss of bentonite circulation is noted and the surface of the drill path will be examined for release.
- The drilling equipment should continue to operate, at reduced pressure, so that the drilling hole does not collapse.
- If a surface release has occurred, isolate the area with hay bales, sand bags, or silt fencing to contain the spread of bentonite.
- The contained bentonite area will be left in place to dry.
- The dried bentonite will be removed to grade and used as backfill around the pipeline.

CLEAN-UP RELEASE:

The clean-up shall commence after the release is contained.

- Clean-up shall include removal of all visible drilling fluid located in accessible areas.
- Removal methods will vary based on the volume of the release and the site specific conditions.
- Removal equipment may include vacuum trucks, loader and track hoe buckets, small pumps, shovels and buckets.
- If the release occurs in a sensitive area, it may be necessary to pump the fluid into an upland area for additional containment and disposal.
- After removal of the released drilling fluid, the release area will be returned as close to the original condition as possible.
- It may be necessary to store the drilling fluid residue on-site prior to disposal. If so, the necessary storage methods will be utilized to avoid future releases.
- After containment has been achieved, the drilling contractor and the inspector will make every effort to determine why the "Frac-Out" occurred and develop corrective measures to minimize the chance of recurrence.

RESPONSE PERSONNEL CONTACT INFORMATION:

Col. Gas of Ohio - Project Manager:
Name:
Cell Phone:

Mid-Ohio Pipeline – Project Manager:
Name: Craig Carpenter
Cell Phone: 419.295.1577

Mid-Ohio Pipeline - Superintendent:
Name: Rick Bebout
Cell Phone: 419-295-3835

Mid-Ohio Pipeline – Project Support:
Name: Kelly Reppart
Cell Phone: 419-961-2561
Office Phone: 419-884-3772

DIRECTIONAL DRILLING SUPERINTENDENT:
Name: Matt Upp
Cell Phone: 614-332-0292

RESPONSE EQUIPMENT
The following is a minimum list of response equipment that will be kept on site:

- **Sand bags**
- **Hand Tools**
- **Portable pumps and hoses**
- **Hay/straw bales**
- **Silt fence**
- **Spill kits with pads and booms**
- **Backhoe or excavator**
- **Vacuum system – if required**

NOTE: All communications and the point of contact for Mid-Ohio Pipeline will be Craig Carpenter.

AGES
Applied Geology And Environmental Science, Inc.

2402 Hookstown Grade Road, Suite 200
Clinton, PA 15026
www.appliedgeology.net
P 412.264.6453 F 412.264.6567

July 13, 2010

Mr. Dean Fawaz
Field Engineer
Columbia Gas of Ohio
1800 Broad Avenue
Findlay, OH 45840-1063

Subject: **Results of Soil Sampling Investigation**
Proposed Gas Line Location – East Perkins Avenue
Sandusky, Ohio

Dear Mr. Fawaz:

On behalf of Applied Geology and Environmental Science (AGES), Inc., I would like to thank you for the opportunity to be of service on the above-referenced project. The purpose of this letter-report is to provide you with documentation regarding the results of a soil sampling investigation performed at the above-referenced site on July 1, 2010.

BACKGROUND

Columbia Gas of Ohio (COH) is planning to install a replacement gas line along the north side of East Perkins Avenue, near its intersection with East Straub Road in Sandusky, Ohio, within an existing COH right-of-way (ROW). The pipeline will be installed to an approximate depth of four (4) feet below ground surface (bgs) and will extend as far down as 16 feet bgs where the line crosses beneath the base of a small stream. The ROW is currently overlain by mostly grass and gravel areas. Based on historical information, it is believed that portions of the ROW may have been used for surficial dumping. To ensure worker safety, Columbia requested that AGES conduct soil sampling in the area to determine if soils along the ROW have been impacted.

A discussion of the field work, results, and conclusions are presented below.

FIELD WORK

On July 1, 2010, staff from AGES installed a total of four (4) soil borings along East Perkins Avenue, where pipeline replacement work is scheduled to take place (Figure 1). The soil borings were installed by Terra Probe Environmental, Inc. of Ottawa Lake, Michigan using a Geoprobe. Soil sampling began at the SB-1 location, which was about 20 feet east of the creek. This boring was installed to a depth of 20 feet bgs. Some fill material (i.e. gravel, brick, and some wood) was

observed in the shallow depths. The majority of the boring consisted of varying amounts of clay with some sand, silts, and small gravel. Below approximately 10 feet bgs, the soils consisted mostly of clay. No bedrock was encountered in this boring. The soils were screened using a Photo-Ionization Detector (PID) meter, which is capable of detecting Volatile Organic Compounds (VOCs). All soils were also inspected for the presence of hydrocarbon staining. All PID readings were non-detect (ND). Because the area was suspected to have been used for surficial dumping, sample SAN-ASB001-40001 was collected from the upper five (5) feet of soil.

The second boring (SB-2) was installed approximately 20 feet west of the creek. This boring also was installed to a depth of 20 feet bgs and soils observed were very similar to those in SB-1. No bedrock was encountered in this boring. These soils were also screened using a PID meter. All PID reading were ND and no hydrocarbon staining was observed. Sample SAN-ASB002-40001 was collected from the 0'-5' interval.

The third boring (SB-3) was installed west of SB-2, in front of a single-car garage. This boring was installed to a depth of six (6) feet bgs. The boring consisted of mostly fill material including gravel, asphalt, and sand size material. The last six (6) inches of the boring was mainly clay material. No elevated PID readings or hydrocarbon staining were observed in soils. Sample SAN-ASB003-40001 was therefore collected from the upper four (4) feet.

The final boring (SB-4) was installed further west of SB-3 in the neighboring yard near a road sign. This boring was installed to a depth of four (4) feet bgs. The upper 1.5 feet consisted of gravel and asphalt. The remaining 2.5 feet of the boring consisted of gray clay with black mottling. No PID elevated readings or hydrocarbon staining were observed. Sample SAN-ASB004-40001 was collected from the entire interval.

All of the samples were shipped via FedEx for overnight delivery to TestAmerica Laboratories, located in Amherst, New York, for analysis of VOCs, Polynuclear Aromatic Hydrocarbons (PAHs), and RCRA Metals. The chain-of-custody was marked and the lab was notified that a one (1) week (5 business days) turnaround time was requested.

All field work was conducted in accordance with standard industry practices. To ensure sample integrity, all samples were handled and shipped in accordance with strict chain-of-custody protocol.

RESULTS & CONCLUSIONS

Sample detections are summarized in Table 1. The laboratory analytical report is provided in Attachment A. To evaluate the need for further action, the results were compared to relevant standards included in the Ohio Voluntary Action Program (VAP). As presented in Table 1, all results were less than the most stringent residential standards developed by the Ohio VAP except for the following:

- Arsenic was detected in samples SAN-ASB002-40001, SAN-ASB003-40001, and SAN-ASB004-40001 at 8.6 milligrams per kilogram (mg/kg), 8.3 mg/kg, and 8.1 mg/kg, respectively. These concentrations exceeded the residential standard of 6.7 mg/kg.

Over the past several years, background soil samples have been collected from several other Columbia sites (Lucas CS, Pavonia CS, Weaver CS, Holmes CS, and Wellington CS) in northern Ohio. Background levels for Arsenic at these sites ranged from 9.8 mg/kg to 27.0 mg/kg. All Arsenic results for samples along East Perkins Avenue are less than these background levels and therefore appear to be indicative of naturally occurring conditions.

Based on these results, no additional precautions for worker safety are required prior to or during construction activity in these areas. Soil excavated from the area may be used as backfill in accordance with applicable COH policy.

CLOSING

If we can be of further assistance on this project, or if you have any questions regarding this letter-report, please do not hesitate to contact me at (412) 264-6453.

Sincerely,

AGES, INC.

Stephen C. Menosky
Program Manager

Enclosures

TABLE

TABLE 1
SUMMARY OF ANALYTICAL RESULTS FOR SOILS
EAST PERKINS AVENUE
SANDUSKY, OHIO
COLUMBIA GAS OF OHIO

	Ohio VAP Standard[1] (mg/kg)	SAN-SB001-40001 (mg/kg)	SAN-SB002-40001 (mg/kg)	SAN-SB003-40001 (mg/kg)	SAN-SB004-40001 (mg/kg)
VOCs					
Acetone	64,000	0.013J	0.023JB	ND	ND
Methyl Ethyl Ketone (MEK)	37,000	ND	0.005J	ND	ND
Methyl Chloride	570	0.0064J	0.005J	ND	0.007
Semi - VOCs					
2-Methylnaphthalene	240	ND	ND	0.019	0.013J
Acenaphthylene	3,500	ND	ND	0.036	0.027
Anthracene	18,000	ND	ND	0.029	0.016J
Benzo[a]anthracene	1.1	ND	ND	0.32	0.096
Benzo[a]pyrene	1.1	0.3	0.061	0.49	0.13
Benzo[b]fluoranthene	11	ND	ND	0.37	0.092
Benzo[g,h,i]perylene	11	0.037	0.011	0.31	0.093
Benzo[k]fluoranthene	110	ND	0.0062	0.12	0.045
Chrysene	1,100	ND	ND	0.04	0.035
Dibenz[a,h]anthracene	1.1	ND	0.031	0.2	0.05
Fluoranthene	2,400	0.089	0.029	0.46	0.21
Indeno[1,2,3-cd]pyrene	11	0.2	0.04	0.39	0.098
Naphthalene	180	ND	0.014	0.025	0.013
Phenanthrene	18,000	ND	ND	ND	0.016
Pyrene	1,800	0.072	0.022	0.37	0.15
Total Metals					
Arsenic	6.7	5.1	**8.6**	**8.3**	**8.1**
Barium	15,000	124B	121B	80.8B	64.1B
Cadmium	72	0.344	0.123J	0.681	1.44
Chromium	NA	48.2	20.5	49.8	10.8
Lead	NA	45.4	67.4	85.1	88.2
Selenium	380	0.7J	1.3J	1.5J	1.3J
Silver	380	ND	ND	0.21	ND
Mercury	7.6	0.062	0.0696	0.0761	0.0466

Notes:

1. Voluntary Action Program Soil Generic Numerical Standards - Residential Adult Child Soil Standard.

Values in bold exceed applicable Ohio VAP standard

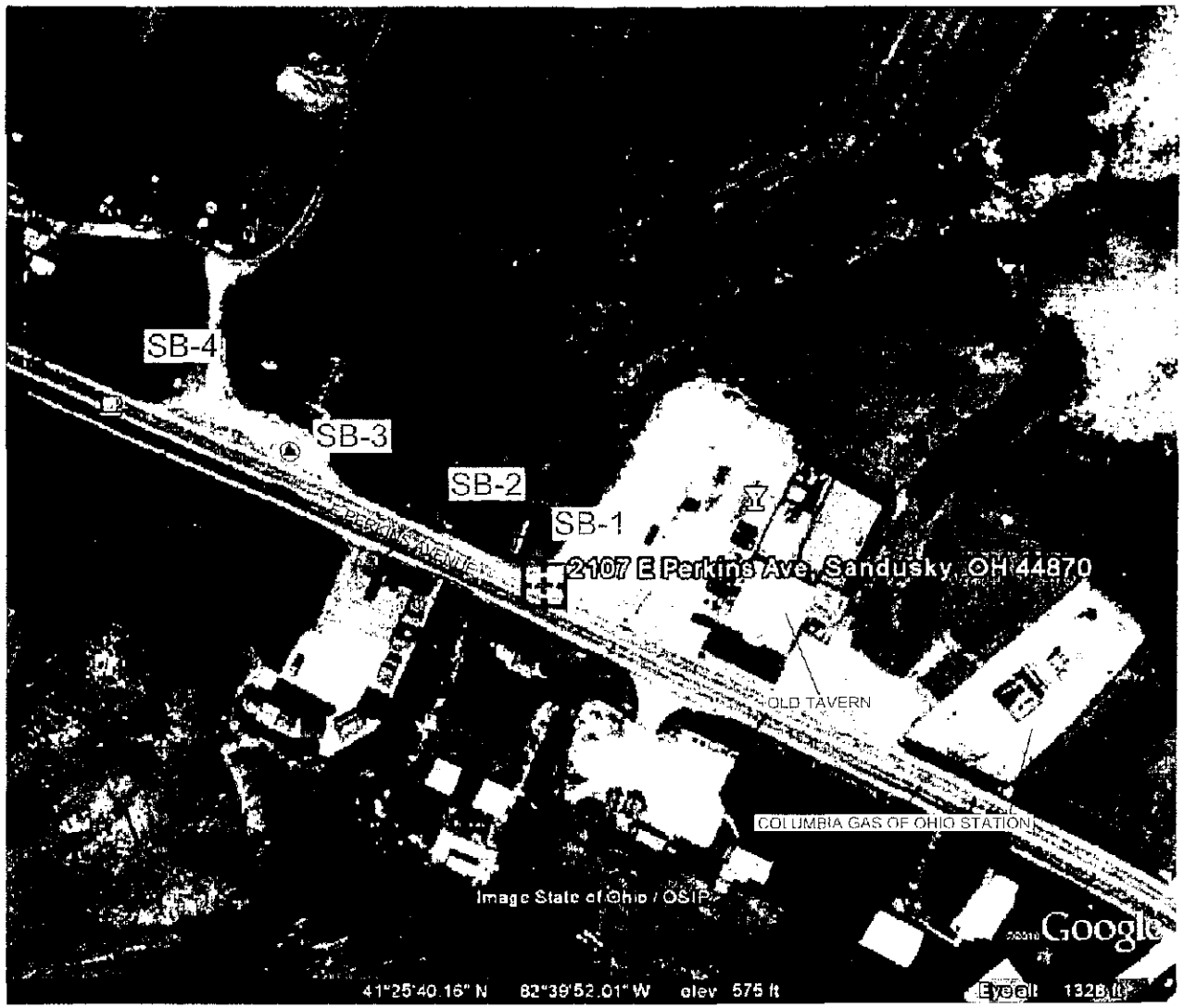
J - Analyte detected at a level less than the Reporting Limit (RL). Value considered estimated.

B - Analyte detected in the associated Method Blank.

ND - None detected.

NA - Not Applicable.

FIGURE



N

LEGEND:

APPROXIMATE SOIL BORING LOCATION

JM	
P201026-03-SAN	
SAN E PERKINS b01.dwg	
NOT TO SCALE	

AGES

2402 Hookstown Grade Road, Suite 200
Clinton, PA 15026
412.264.6453

COLUMBIA GAS OF OHIO

EAST PERKINS AVENUE
SANDUSKY, OHIO
SOIL BORING LOCATION MAP

DRAWING NAME: FIGURE 1

REV. 0

ATTACHMENT A

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

Work Order: RTG0489

Project Description

Sandusky, OH - East Perkins Avenue

For:

Steve Menosky

NISource, Inc.

2402 Hookstown Grade Rd,Ste 200

Clinton, PA 15026

Candace L. Fox

Candace Fox

Project Manager

candace.fox@testamericainc.com

Thursday, July 8, 2010

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Persuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

TestAmerica Buffalo
Current Certifications

As of 06/17/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for p arameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
D12	Dilution required due to sample viscosity
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
R2	The RPD exceeded the acceptance limit.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTG0489-01 (SAN-ASB001-40001 - Solid)						**Sampled: 07/01/10 08:30**		**Recvd: 07/02/10 09:10**		
Volatile Organic Compounds by EPA 8260B										
Acetone	13	J, B	33	5.6	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Methylene Chloride	6.4	J	6.7	3.1	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Semivolatile Organics by GC/MS										
Benzo[a]pyrene	300	D12	110	14	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Benzo[g,h,i]perylene	37	D12,J	110	13	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Fluoranthene	89	D12,J	110	9.2	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Indeno[1,2,3-cd]pyrene	200	D12	110	6.5	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Pyrene	72	D12,J	110	4.6	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Total Metals by SW 846 Series Methods										
Arsenic	5.1		2.6	0.3	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Barium	124	B	0.649	0.013	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Cadmium	0.344		0.260	0.039	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Chromium	48.2		0.649	0.117	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Lead	45.4		1.3	0.2	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Selenium	0.7	J	5.2	0.5	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Mercury	0.0620		0.0276	0.0112	mg/kg dry	1.00	07/06/10 15:53	MXM	10G0231	7471A
Sample ID: RTG0489-02 (SAN-ASB002-40001 - Solid)						**Sampled: 07/01/10 10:00**		**Recvd: 07/02/10 09:10**		
Volatile Organic Compounds by EPA 8260B										
2-Butanone (MEK)	5.0	J	30	2.2	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Acetone	23	J, B	30	5.0	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Methylene Chloride	5.0	J	6.0	2.8	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Semivolatile Organics by GC/MS										
Benzo[a]pyrene	61		21	2.6	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Benzo[g,h,i]perylene	11	J	21	2.5	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Benzo[k]fluoranthene	6.2	J	21	5.3	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Dibenz[a,h]anthracene	31		21	2.0	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Fluoranthene	29		21	1.8	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Indeno[1,2,3-cd]pyrene	40		21	1.2	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Naphthalene	14	J, B	21	2.1	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Pyrene	22		21	0.88	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Total Metals by SW 846 Series Methods										
Arsenic	8.6		2.4	0.3	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Barium	121	B	0.602	0.012	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Cadmium	0.123	J	0.241	0.036	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Chromium	20.5		0.602	0.108	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Lead	67.4		1.2	0.1	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Selenium	1.3	J	4.8	0.5	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Mercury	0.0696		0.0249	0.0101	mg/kg dry	1.00	07/06/10 15:58	MXM	10G0231	7471A

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTG0489-03 (SAN-ASB003-40001 - Solid)						**Sampled: 07/01/10 10:20**		**Recvd: 07/02/10 09:10**		
Semivolatile Organics by GC/MS										
2-Methylnaphthalene	19	D12,J	98	6.0	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Acenaphthylene	36	D12,J	98	7.6	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Anthracene	29	D12,J	98	8.7	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Benzo[a]anthracene	320	D12	98	9.6	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Benzo[a]pyrene	490	D12	98	12	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Benzo[b]fluoranthene	370	D12	98	19	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Benzo[g,h,i]perylene	310	D12	98	12	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Benzo[k]fluoranthene	120	D12	98	24	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Chrysene	40	D12,J	98	5.9	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Dibenz[a,h]anthracene	200	D12	98	9.1	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Fluoranthene	460	D12	98	8.1	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Indeno[1,2,3-cd]pyrene	390	D12	98	5.7	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Naphthalene	25	D12,J, B	98	9.8	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Pyrene	370	D12	98	4.1	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Total Metals by SW 846 Series Methods										
Arsenic	8.3		2.4	0.3	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Barium	80.8	B	0.591	0.012	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Cadmium	0.681		0.236	0.035	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Chromium	49.8		0.591	0.106	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Lead	85.1		1.2	0.1	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Selenium	1.5	J	4.7	0.4	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Silver	0.210	J	0.591	0.083	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Mercury	0.0761		0.0240	0.0097	mg/kg dry	1.00	07/06/10 16:00	MXM	10G0231	7471A
Sample ID: RTG0489-04 (SAN-ASB004-40001 - Solid)						**Sampled: 07/01/10 10:45**		**Recvd: 07/02/10 09:10**		
Volatile Organic Compounds by EPA 8260B										
Methylene Chloride	7.0		6.5	3.0	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Semivolatile Organics by GC/MS										
2-Methylnaphthalene	13	J	22	1.3	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Acenaphthylene	27		22	1.7	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Anthracene	16	J	22	2.0	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Benzo[a]anthracene	96		22	2.2	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Benzo[a]pyrene	130		22	2.7	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Benzo[b]fluoranthene	92		22	4.3	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Benzo[g,h,i]perylene	93		22	2.6	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Benzo[k]fluoranthene	45		22	5.5	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Chrysene	35		22	1.3	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Dibenz[a,h]anthracene	50		22	2.1	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Fluoranthene	210		22	1.8	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Indeno[1,2,3-cd]pyrene	98		22	1.3	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Naphthalene	13	J, B	22	2.2	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Phenanthrene	16	J	22	1.7	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Pyrene	150		22	0.92	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Total Metals by SW 846 Series Methods										
Arsenic	8.1		2.5	0.3	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/06/10 16:23

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTG0489-04 (SAN-ASB004-40001 - Solid) - cont.						**Sampled: 07/01/10 10:45**		**Recvd: 07/02/10 09:10**		
Total Metals by SW 846 Series Methods - cont.										
Barium	64.1	B	0.633	0.013	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Cadmium	1.44		0.253	0.038	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Chromium	10.8		0.633	0.114	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Lead	88.2		1.3	0.2	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Selenium	1.3	J	5.1	0.5	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Mercury	0.0466		0.0239	0.0097	mg/kg dry	1.00	07/06/10 16:01	MXM	10G0231	7471A

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Received: 07/02/10
Reported: 07/08/10 16:23

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
SAN-ASB001-40001	RTG0489-01	Solid	07/01/10 08:30	07/02/10 09:10	
SAN-ASB002-40001	RTG0489-02	Solid	07/01/10 10:00	07/02/10 09:10	
SAN-ASB003-40001	RTG0489-03	Solid	07/01/10 10:20	07/02/10 09:10	
SAN-ASB004-40001	RTG0489-04	Solid	07/01/10 10:45	07/02/10 09:10	

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

Analytical Report

Sample ID: RTG0489-01 (SAN-ASB001-40001 - Solid) Sampled: 07/01/10 08:30 Recvd: 07/02/10 09:10

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.7	0.48	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,1,2,2-Tetrachloroethane	ND		6.7	1.1	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,1,2-Trichloroethane	ND		6.7	0.87	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,1,2-Trichlorotrifluoroethane	ND		6.7	1.5	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,1-Dichloroethane	ND		6.7	0.81	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,1-Dichloroethene	ND		6.7	0.82	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,2,4-Trichlorobenzene	ND		6.7	0.41	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,2-Dibromo-3-chloropropane	ND		6.7	3.3	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,2-Dibromoethane (EDB)	ND		6.7	0.86	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,2-Dichlorobenzene	ND		6.7	0.52	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,2-Dichloroethane	ND		6.7	0.34	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,2-Dichloropropane	ND		6.7	3.3	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,3-Dichlorobenzene	ND		6.7	0.34	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,4-Dichlorobenzene	ND		6.7	0.94	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
2-Butanone (MEK)	ND		33	2.4	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
2-Hexanone	ND		33	3.3	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
4-Methyl-2-pentanone (MIBK)	ND		33	2.2	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Acetone	13	J, B	33	5.6	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Benzene	ND		6.7	0.33	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Bromodichloromethane	ND		6.7	0.90	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Bromoform	ND		6.7	3.3	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Bromomethane	ND		6.7	0.60	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Carbon disulfide	ND		6.7	3.3	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Carbon Tetrachloride	ND		6.7	0.65	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Chlorobenzene	ND		6.7	0.88	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Chlorodibromomethane	ND		6.7	0.85	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Chloroethane	ND		6.7	1.5	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Chloroform	ND		6.7	0.41	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Chloromethane	ND		6.7	0.40	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
cis-1,2-Dichloroethene	ND		6.7	0.85	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
cis-1,3-Dichloropropene	ND		6.7	0.96	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Cyclohexane	ND		6.7	0.94	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Dichlorodifluoromethane	ND		6.7	0.55	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Ethylbenzene	ND		6.7	0.46	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Isopropylbenzene	ND		6.7	1.0	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Methyl Acetate	ND		6.7	1.2	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Methyl tert-Butyl Ether	ND		6.7	0.66	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Methylcyclohexane	ND		6.7	1.0	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Methylene Chloride	6.4	J	6.7	3.1	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Styrene	ND		6.7	0.33	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Tetrachloroethene	ND		6.7	0.90	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Toluene	ND		6.7	0.50	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
trans-1,2-Dichloroethene	ND		6.7	0.69	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
trans-1,3-Dichloropropene	ND		6.7	2.9	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Trichloroethene	ND		6.7	1.5	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Trichlorofluoromethane	ND		6.7	0.63	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
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Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

Analytical Report

Sample ID: RTG0489-01 (SAN-ASB001-40001 - Solid) - cont. **Sampled: 07/01/10 08:30** **Recvd: 07/02/10 09:10**

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
Vinyl chloride	ND		13	0.81	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
Xylenes, total	ND		13	1.1	ug/kg dry	1.00	07/07/10 03:33	CDC	10G0232	8260B
1,2-Dichloroethane-d4	*93 %*		*Surr Limits: (61-136%)*				*07/07/10 03:33*	*CDC*	*10G0232*	*8260B*
4-Bromofluorobenzene	*88 %*		*Surr Limits: (72-126%)*				*07/07/10 03:33*	*CDC*	*10G0232*	*8260B*
Toluene-d8	*96 %*		*Surr Limits: (71-125%)*				*07/07/10 03:33*	*CDC*	*10G0232*	*8260B*
Semivolatile Organics by GC/MS										
2-Methylnaphthalene	ND	D12	110	6.8	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Acenaphthene	ND	D12	110	8.4	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Acenaphthylene	ND	D12	110	8.7	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Anthracene	ND	D12	110	9.9	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Benzo[a]anthracene	ND	D12	110	11	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Benzo[a]pyrene	300	D12	110	14	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Benzo[b]fluoranthene	ND	D12	110	21	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Benzo[g,h,i]perylene	37	D12,J	110	13	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Benzo[k]fluoranthene	ND	D12	110	28	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Chrysene	ND	D12	110	6.7	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Dibenz[a,h]anthracene	ND	D12	110	10	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Fluoranthene	89	D12,J	110	9.2	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Fluorene	ND	D12	110	8.0	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Indeno[1,2,3-cd]pyrene	200	D12	110	6.5	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Naphthalene	ND	D12	110	11	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Phenanthrene	ND	D12	110	8.4	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
Pyrene	72	D12,J	110	4.6	ug/kg dry	5.00	07/07/10 18:26	RAR	10G0167	8270C
2-Fluorobiphenyl	*64 %*	*D12*	*Surr Limits: (37-120%)*				*07/07/10 18:26*	*RAR*	*10G0167*	*8270C*
Nitrobenzene-d5	*79 %*	*D12*	*Surr Limits: (34-132%)*				*07/07/10 18:26*	*RAR*	*10G0167*	*8270C*
p-Terphenyl-d14	*85 %*	*D12*	*Surr Limits: (58-147%)*				*07/07/10 18:26*	*RAR*	*10G0167*	*8270C*
Total Metals by SW 846 Series Methods										
Arsenic	5.1		2.6	0.3	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Barium	124	B	0.649	0.013	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Cadmium	0.344		0.260	0.039	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Chromium	48.2		0.649	0.117	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Lead	45.4		1.3	0.2	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Selenium	0.7	J	5.2	0.5	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Silver	ND		0.649	0.091	mg/kg dry	1.00	07/06/10 21:33	DAN	10G0148	6010B
Mercury	0.0620		0.0276	0.0112	mg/kg dry	1.00	07/06/10 15:53	MXM	10G0231	7471A

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

Analytical Report

Sample ID: RTG0489-02 (SAN-ASB002-40001 - Solid) Sampled: 07/01/10 10:00 Recvd: 07/02/10 09:10

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.0	0.44	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,1,2,2-Tetrachloroethane	ND		6.0	0.97	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,1,2-Trichloroethane	ND		6.0	0.78	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,1,2-Trichlorotrifluoroethane	ND		6.0	1.4	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,1-Dichloroethane	ND		6.0	0.73	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,1-Dichloroethene	ND		6.0	0.73	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,2,4-Trichlorobenzene	ND		6.0	0.36	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,2-Dibromo-3-chloropropane	ND		6.0	3.0	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,2-Dibromoethane (EDB)	ND		6.0	0.77	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,2-Dichlorobenzene	ND		6.0	0.47	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,2-Dichloroethane	ND		6.0	0.30	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,2-Dichloropropane	ND		6.0	3.0	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,3-Dichlorobenzene	ND		6.0	0.31	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,4-Dichlorobenzene	ND		6.0	0.84	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
2-Butanone (MEK)	5.0	J	30	2.2	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
2-Hexanone	ND		30	3.0	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
4-Methyl-2-pentanone (MIBK)	ND		30	2.0	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Acetone	23	J, B	30	5.0	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Benzene	ND		6.0	0.29	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Bromodichloromethane	ND		6.0	0.80	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Bromoform	ND		6.0	3.0	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Bromomethane	ND		6.0	0.54	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Carbon disulfide	ND		6.0	3.0	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Carbon Tetrachloride	ND		6.0	0.58	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Chlorobenzene	ND		6.0	0.79	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Chlorodibromomethane	ND		6.0	0.77	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Chloroethane	ND		6.0	1.4	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Chloroform	ND		6.0	0.37	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Chloromethane	ND		6.0	0.36	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
cis-1,2-Dichloroethene	ND		6.0	0.77	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
cis-1,3-Dichloropropene	ND		6.0	0.86	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Cyclohexane	ND		6.0	0.84	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Dichlorodifluoromethane	ND		6.0	0.50	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Ethylbenzene	ND		6.0	0.41	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Isopropylbenzene	ND		6.0	0.90	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Methyl Acetate	ND		6.0	1.1	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Methyl tert-Butyl Ether	ND		6.0	0.59	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Methylcyclohexane	ND		6.0	0.91	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Methylene Chloride	5.0	J	6.0	2.8	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Styrene	ND		6.0	0.30	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Tetrachloroethene	ND		6.0	0.80	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Toluene	ND		6.0	0.45	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
trans-1,2-Dichloroethene	ND		6.0	0.62	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
trans-1,3-Dichloropropene	ND		6.0	2.6	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Trichloroethene	ND		6.0	1.3	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Trichlorofluoromethane	ND		6.0	0.57	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTG0489-02 (SAN-ASB002-40001 - Solid) - cont.						**Sampled: 07/01/10 10:00**		**Recvd: 07/02/10 09:10**		
Volatile Organic Compounds by EPA 8260B - cont.										
Vinyl chloride	ND		12	0.73	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
Xylenes, total	ND		12	1.0	ug/kg dry	1.00	07/07/10 04:02	CDC	10G0232	8260B
1,2-Dichloroethane-d4	*90 %*		*Surr Limits: (61-136%)*				*07/07/10 04:02*	*CDC*	*10G0232*	*8260B*
4-Bromofluorobenzene	*86 %*		*Surr Limits: (72-126%)*				*07/07/10 04:02*	*CDC*	*10G0232*	*8260B*
Toluene-d8	*95 %*		*Surr Limits: (71-125%)*				*07/07/10 04:02*	*CDC*	*10G0232*	*8260B*
Semivolatile Organics by GC/MS										
2-Methylnaphthalene	ND		21	1.3	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Acenaphthene	ND		21	1.6	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Acenaphthylene	ND		21	1.7	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Anthracene	ND		21	1.9	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Benzo[a]anthracene	ND		21	2.1	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Benzo[a]pyrene	61		21	2.6	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Benzo[b]fluoranthene	ND		21	4.1	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Benzo[g,h,i]perylene	11	J	21	2.5	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Benzo[k]fluoranthene	6.2	J	21	5.3	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Chrysene	ND		21	1.3	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Dibenz[a,h]anthracene	31		21	2.0	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Fluoranthene	29		21	1.8	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Fluorene	ND		21	1.5	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Indeno[1,2,3-cd]pyrene	40		21	1.2	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Naphthalene	14	J, B	21	2.1	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Phenanthrene	ND		21	1.6	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
Pyrene	22		21	0.88	ug/kg dry	1.00	07/07/10 18:50	RAR	10G0167	8270C
2-Fluorobiphenyl	*56 %*		*Surr Limits: (37-120%)*				*07/07/10 18:50*	*RAR*	*10G0167*	*8270C*
Nitrobenzene-d5	*66 %*		*Surr Limits: (34-132%)*				*07/07/10 18:50*	*RAR*	*10G0167*	*8270C*
p-Terphenyl-d14	*75 %*		*Surr Limits: (58-147%)*				*07/07/10 18:50*	*RAR*	*10G0167*	*8270C*
Total Metals by SW 846 Series Methods										
Arsenic	8.6		2.4	0.3	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Barium	121	B	0.602	0.012	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Cadmium	0.123	J	0.241	0.036	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Chromium	20.5		0.602	0.108	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Lead	67.4		1.2	0.1	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Selenium	1.3	J	4.8	0.5	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Silver	ND		0.602	0.084	mg/kg dry	1.00	07/06/10 21:38	DAN	10G0148	6010B
Mercury	0.0696		0.0249	0.0101	mg/kg dry	1.00	07/06/10 15:58	MXM	10G0231	7471A

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NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

Analytical Report

Sample ID: RTG0489-03 (SAN-ASB003-40001 - Solid) Sampled: 07/01/10 10:20 Recvd: 07/02/10 09:10

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		5.8	0.42	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,1,2,2-Tetrachloroethane	ND		5.8	0.94	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,1,2-Trichloroethane	ND		5.8	0.76	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,1,2-Trichlorotrifluoroethane	ND		5.8	1.3	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,1-Dichloroethane	ND		5.8	0.71	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,1-Dichloroethene	ND		5.8	0.71	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,2,4-Trichlorobenzene	ND		5.8	0.35	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,2-Dibromo-3-chloropropane	ND		5.8	2.9	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,2-Dibromoethane (EDB)	ND		5.8	0.75	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,2-Dichlorobenzene	ND		5.8	0.45	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,2-Dichloroethane	ND		5.8	0.29	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,2-Dichloropropane	ND		5.8	2.9	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,3-Dichlorobenzene	ND		5.8	0.30	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,4-Dichlorobenzene	ND		5.8	0.81	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
2-Butanone (MEK)	ND		29	2.1	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
2-Hexanone	ND		29	2.9	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
4-Methyl-2-pentanone (MIBK)	ND		29	1.9	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Acetone	ND		29	4.9	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Benzene	ND		5.8	0.28	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Bromodichloromethane	ND		5.8	0.78	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Bromoform	ND		5.8	2.9	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Bromomethane	ND		5.8	0.52	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Carbon disulfide	ND		5.8	2.9	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Carbon Tetrachloride	ND		5.8	0.56	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Chlorobenzene	ND		5.8	0.77	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Chlorodibromomethane	ND		5.8	0.74	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Chloroethane	ND		5.8	1.3	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Chloroform	ND		5.8	0.36	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Chloromethane	ND		5.8	0.35	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
cis-1,2-Dichloroethene	ND		5.8	0.74	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
cis-1,3-Dichloropropene	ND		5.8	0.84	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Cyclohexane	ND		5.8	0.81	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Dichlorodifluoromethane	ND		5.8	0.48	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Ethylbenzene	ND		5.8	0.40	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Isopropylbenzene	ND		5.8	0.88	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Methyl Acetate	ND		5.8	1.1	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Methyl tert-Butyl Ether	ND		5.8	0.57	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Methylcyclohexane	ND		5.8	0.88	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Methylene Chloride	ND		5.8	2.7	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Styrene	ND		5.8	0.29	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Tetrachloroethene	ND		5.8	0.78	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Toluene	ND		5.8	0.44	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
trans-1,2-Dichloroethene	ND		5.8	0.60	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
trans-1,3-Dichloropropene	ND		5.8	2.6	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Trichloroethene	ND		5.8	1.3	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Trichlorofluoromethane	ND		5.8	0.55	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
Vinyl chloride	ND		12	0.71	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

Analytical Report

Sample ID: RTG0489-03 (SAN-ASB003-40001 - Solid) - cont. Sampled: 07/01/10 10:20 Recvd: 07/02/10 09:10

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
Xylenes, total	ND		12	0.98	ug/kg dry	1.00	07/07/10 04:31	CDC	10G0232	8260B
1,2-Dichloroethane-d4	*91 %*		*Surr Limits: (61-136%)*				*07/07/10 04:31*	*CDC*	*10G0232*	*8260B*
4-Bromofluorobenzene	*85 %*		*Surr Limits: (72-126%)*				*07/07/10 04:31*	*CDC*	*10G0232*	*8260B*
Toluene-d8	*96 %*		*Surr Limits: (71-125%)*				*07/07/10 04:31*	*CDC*	*10G0232*	*8260B*
Semivolatile Organics by GC/MS										
2-Methylnaphthalene	19	D12,J	98	6.0	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Acenaphthene	ND	D12	98	7.4	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Acenaphthylene	36	D12,J	98	7.6	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Anthracene	29	D12,J	98	8.7	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Benzo[a]anthracene	320	D12	98	9.6	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Benzo[a]pyrene	490	D12	98	12	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Benzo[b]fluoranthene	370	D12	98	19	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Benzo[g,h,i]perylene	310	D12	98	12	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Benzo[k]fluoranthene	120	D12	98	24	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Chrysene	40	D12,J	98	5.9	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Dibenz[a,h]anthracene	200	D12	98	9.1	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Fluoranthene	460	D12	98	8.1	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Fluorene	ND	D12	98	7.0	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Indeno[1,2,3-cd]pyrene	390	D12	98	5.7	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Naphthalene	25	D12,J, B	98	9.8	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Phenanthrene	ND	D12	98	7.4	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
Pyrene	370	D12	98	4.1	ug/kg dry	5.00	07/07/10 19:15	RAR	10G0167	8270C
2-Fluorobiphenyl	*72 %*	*D12*	*Surr Limits: (37-120%)*				*07/07/10 19:15*	*RAR*	*10G0167*	*8270C*
Nitrobenzene-d5	*82 %*	*D12*	*Surr Limits: (34-132%)*				*07/07/10 19:15*	*RAR*	*10G0167*	*8270C*
p-Terphenyl-d14	*85 %*	*D12*	*Surr Limits: (58-147%)*				*07/07/10 19:15*	*RAR*	*10G0167*	*8270C*
Total Metals by SW 846 Series Methods										
Arsenic	8.3		2.4	0.3	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Barium	80.8	B	0.591	0.012	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Cadmium	0.681		0.236	0.035	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Chromium	49.8		0.591	0.106	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Lead	85.1		1.2	0.1	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Selenium	1.5	J	4.7	0.4	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Silver	0.210	J	0.591	0.083	mg/kg dry	1.00	07/06/10 21:43	DAN	10G0148	6010B
Mercury	0.0761		0.0240	0.0097	mg/kg dry	1.00	07/06/10 16:00	MXM	10G0231	7471A

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

Analytical Report

Sample ID: RTG0489-04 (SAN-ASB004-40001 - Solid) Sampled: 07/01/10 10:45 Recvd: 07/02/10 09:10

Volatile Organic Compounds by EPA 8260B

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
1,1,1-Trichloroethane	ND		6.5	0.47	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,1,2,2-Tetrachloroethane	ND		6.5	1.1	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,1,2-Trichloroethane	ND		6.5	0.84	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,1,2-Trichlorotrifluoroethane	ND		6.5	1.5	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,1-Dichloroethane	ND		6.5	0.79	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,1-Dichloroethene	ND		6.5	0.79	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,2,4-Trichlorobenzene	ND		6.5	0.39	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,2-Dibromo-3-chloropropane	ND		6.5	3.2	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,2-Dibromoethane (EDB)	ND		6.5	0.83	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,2-Dichlorobenzene	ND		6.5	0.51	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,2-Dichloroethane	ND		6.5	0.33	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,2-Dichloropropane	ND		6.5	3.2	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,3-Dichlorobenzene	ND		6.5	0.33	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,4-Dichlorobenzene	ND		6.5	0.91	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
2-Butanone (MEK)	ND		32	2.4	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
2-Hexanone	ND		32	3.2	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
4-Methyl-2-pentanone (MIBK)	ND		32	2.1	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Acetone	ND		32	5.5	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Benzene	ND		6.5	0.32	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Bromodichloromethane	ND		6.5	0.87	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Bromoform	ND		6.5	3.2	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Bromomethane	ND		6.5	0.58	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Carbon disulfide	ND		6.5	3.2	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Carbon Tetrachloride	ND		6.5	0.63	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Chlorobenzene	ND		6.5	0.86	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Chlorodibromomethane	ND		6.5	0.83	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Chloroethane	ND		6.5	1.5	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Chloroform	ND		6.5	0.40	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Chloromethane	ND		6.5	0.39	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
cis-1,2-Dichloroethene	ND		6.5	0.83	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
cis-1,3-Dichloropropene	ND		6.5	0.93	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Cyclohexane	ND		6.5	0.91	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Dichlorodifluoromethane	ND		6.5	0.54	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Ethylbenzene	ND		6.5	0.45	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Isopropylbenzene	ND		6.5	0.98	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Methyl Acetate	ND		6.5	1.2	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Methyl tert-Butyl Ether	ND		6.5	0.64	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Methylcyclohexane	ND		6.5	0.98	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Methylene Chloride	7.0		6.5	3.0	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Styrene	ND		6.5	0.32	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Tetrachloroethene	ND		6.5	0.87	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Toluene	ND		6.5	0.49	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
trans-1,2-Dichloroethene	ND		6.5	0.67	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
trans-1,3-Dichloropropene	ND		6.5	2.9	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Trichloroethene	ND		6.5	1.4	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Trichlorofluoromethane	ND		6.5	0.61	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

Analytical Report

Sample ID: RTG0489-04 (SAN-ASB004-40001 - Solid) - cont. Sampled: 07/01/10 10:45 Recvd: 07/02/10 09:10

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Volatile Organic Compounds by EPA 8260B - cont.										
Vinyl chloride	ND		13	0.79	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
Xylenes, total	ND		13	1.1	ug/kg dry	1.00	07/07/10 05:01	CDC	10G0232	8260B
1,2-Dichloroethane-d4	*92 %*		*Surr Limits: (61-136%)*				*07/07/10 05:01*	*CDC*	*10G0232*	*8260B*
4-Bromofluorobenzene	*85 %*		*Surr Limits: (72-126%)*				*07/07/10 05:01*	*CDC*	*10G0232*	*8260B*
Toluene-d8	*94 %*		*Surr Limits: (71-125%)*				*07/07/10 05:01*	*CDC*	*10G0232*	*8260B*
Semivolatile Organics by GC/MS										
2-Methylnaphthalene	13	J	22	1.3	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Acenaphthene	ND		22	1.7	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Acenaphthylene	27		22	1.7	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Anthracene	16	J	22	2.0	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Benzo[a]anthracene	96		22	2.2	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Benzo[a]pyrene	130		22	2.7	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Benzo[b]fluoranthene	92		22	4.3	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Benzo[g,h,i]perylene	93		22	2.6	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Benzo[k]fluoranthene	45		22	5.5	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Chrysene	35		22	1.3	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Dibenz[a,h]anthracene	50		22	2.1	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Fluoranthene	210		22	1.8	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Fluorene	ND		22	1.6	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Indeno[1,2,3-cd]pyrene	98		22	1.3	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Naphthalene	13	J, B	22	2.2	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Phenanthrene	16	J	22	1.7	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
Pyrene	150		22	0.92	ug/kg dry	1.00	07/07/10 19:39	RAR	10G0167	8270C
2-Fluorobiphenyl	*60 %*		*Surr Limits: (37-120%)*				*07/07/10 19:39*	*RAR*	*10G0167*	*8270C*
Nitrobenzene-d5	*59 %*		*Surr Limits: (34-132%)*				*07/07/10 19:39*	*RAR*	*10G0167*	*8270C*
p-Terphenyl-d14	*76 %*		*Surr Limits: (58-147%)*				*07/07/10 19:39*	*RAR*	*10G0167*	*8270C*
Total Metals by SW 846 Series Methods										
Arsenic	8.1		2.5	0.3	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Barium	64.1	B	0.633	0.013	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Cadmium	1.44		0.253	0.038	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Chromium	10.8		0.633	0.114	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Lead	88.2		1.3	0.2	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Selenium	1.3	J	5.1	0.5	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Silver	ND		0.633	0.089	mg/kg dry	1.00	07/06/10 21:48	DAN	10G0148	6010B
Mercury	0.0466		0.0239	0.0097	mg/kg dry	1.00	07/06/10 16:01	MXM	10G0231	7471A

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
Semivolatile Organics by GC/MS									
8270C	10G0167	RTG0489-04	30.05	g	1.00	mL	07/03/10 11:45	EKD	3550B MB
8270C	10G0167	RTG0489-02	30.31	g	1.00	mL	07/03/10 11:45	EKD	3550B MB
8270C	10G0167	RTG0489-03	30.46	g	1.00	mL	07/03/10 11:45	EKD	3550B MB
8270C	10G0167	RTG0489-01	30.85	g	1.00	mL	07/03/10 11:45	EKD	3550B MB
Total Metals by SW 846 Series Methods									
6010B	10G0148	RTG0489-03	0.49	g	50.00	mL	07/06/10 09:45	JRK	3050B
6010B	10G0148	RTG0489-04	0.51	g	50.00	mL	07/06/10 09:45	JRK	3050B
6010B	10G0148	RTG0489-01	0.52	g	50.00	mL	07/06/10 09:45	JRK	3050B
6010B	10G0148	RTG0489-02	0.52	g	50.00	mL	07/06/10 09:45	JRK	3050B
7471A	10G0231	RTG0489-03	0.58	g	50.00	mL	07/06/10 14:00	MXM	7471A_
7471A	10G0231	RTG0489-01	0.59	g	50.00	mL	07/06/10 14:00	MXM	7471A_
7471A	10G0231	RTG0489-02	0.61	g	50.00	mL	07/06/10 14:00	MXM	7471A_
7471A	10G0231	RTG0489-04	0.65	g	50.00	mL	07/06/10 14:00	MXM	7471A_
Volatile Organic Compounds by EPA 8260B									
8260B	10G0232	RTG0489-04	5.01	g	5.00	mL	07/06/10 11:46	CDC	5030B MS
8260B	10G0232	RTG0489-03	5.02	g	5.00	mL	07/06/10 11:46	CDC	5030B MS
8260B	10G0232	RTG0489-01	5.03	g	5.00	mL	07/06/10 11:46	CDC	5030B MS
8260B	10G0232	RTG0489-02	5.25	g	5.00	mL	07/06/10 11:46	CDC	5030B MS

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Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 07/06/10 (Lab Number:10G0232-BLK1, Batch: 10G0232)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND					
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND					
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND					
1,1,2-Trichlorotrifluoroethane			5.0	1.1	ug/kg wet	ND					
1,1-Dichloroethane			5.0	0.61	ug/kg wet	ND					
1,1-Dichloroethene			5.0	0.61	ug/kg wet	ND					
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND					
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND					
1,2-Dibromoethane (EDB)			5.0	0.64	ug/kg wet	ND					
1,2-Dichlorobenzene			5.0	0.39	ug/kg wet	ND					
1,2-Dichloroethane			5.0	0.25	ug/kg wet	ND					
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND					
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND					
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND					
2-Butanone (MEK)			25	1.8	ug/kg wet	ND					
2-Hexanone			25	2.5	ug/kg wet	ND					
4-Methyl-2-pentanone (MIBK)			25	1.6	ug/kg wet	ND					
Acetone			25	4.2	ug/kg wet	5.2					J
Benzene			5.0	0.24	ug/kg wet	ND					
Bromodichloromethane			5.0	0.67	ug/kg wet	ND					
Bromoform			5.0	2.5	ug/kg wet	ND					
Bromomethane			5.0	0.45	ug/kg wet	ND					
Carbon disulfide			5.0	2.5	ug/kg wet	ND					
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND					
Chlorobenzene			5.0	0.66	ug/kg wet	ND					
Chlorodibromomethane			5.0	0.64	ug/kg wet	ND					
Chloroethane			5.0	1.1	ug/kg wet	ND					
Chloroform			5.0	0.31	ug/kg wet	ND					
Chloromethane			5.0	0.30	ug/kg wet	ND					
cis-1,2-Dichloroethene			5.0	0.64	ug/kg wet	ND					
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND					
Cyclohexane			5.0	0.70	ug/kg wet	ND					
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND					
Ethylbenzene			5.0	0.34	ug/kg wet	ND					
Isopropylbenzene			5.0	0.75	ug/kg wet	ND					

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Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
Blank Analyzed: 07/06/10 (Lab Number:10G0232-BLK1, Batch: 10G0232)											
Methyl Acetate			5.0	0.93	ug/kg wet	ND					
Methyl tert-Butyl Ether			5.0	0.49	ug/kg wet	ND					
Methylcyclohexane			5.0	0.76	ug/kg wet	ND					
Methylene Chloride			5.0	2.3	ug/kg wet	ND					
Styrene			5.0	0.25	ug/kg wet	ND					
Tetrachloroethene			5.0	0.67	ug/kg wet	ND					
Toluene			5.0	0.38	ug/kg wet	ND					
trans-1,2-Dichloroethene			5.0	0.52	ug/kg wet	ND					
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND					
Trichloroethene			5.0	1.1	ug/kg wet	ND					
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND					
Vinyl chloride			10	0.61	ug/kg wet	ND					
Xylenes, total			10	0.84	ug/kg wet	ND					
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*91*	*61-136*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*88*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*93*	*71-125*			
LCS Analyzed: 07/06/10 (Lab Number:10G0232-BS1, Batch: 10G0232)											
1,1,1-Trichloroethane			5.0	0.36	ug/kg wet	ND		77-121			
1,1,2,2-Tetrachloroethane			5.0	0.81	ug/kg wet	ND		80-120			
1,1,2-Trichloroethane			5.0	0.65	ug/kg wet	ND		78-122			
1,1,2-Trichlorotrifluoroethane			5.0	1.1	ug/kg wet	ND		67-144			
1,1-Dichloroethane		50.0	5.0	0.61	ug/kg wet	47.8	96	79-126			
1,1-Dichloroethene		50.0	5.0	0.61	ug/kg wet	48.7	97	70-142			
1,2,4-Trichlorobenzene			5.0	0.30	ug/kg wet	ND		73-120			
1,2-Dibromo-3-chloropropane			5.0	2.5	ug/kg wet	ND		66-122			
1,2-Dibromoethane (EDB)			5.0	0.64	ug/kg wet	ND		78-120			
1,2-Dichlorobenzene		50.0	5.0	0.39	ug/kg wet	46.9	94	82-114			
1,2-Dichloroethane		50.0	5.0	0.25	ug/kg wet	46.1	92	77-122			
1,2-Dichloropropane			5.0	2.5	ug/kg wet	ND		81-119			
1,3-Dichlorobenzene			5.0	0.26	ug/kg wet	ND		82-114			
1,4-Dichlorobenzene			5.0	0.70	ug/kg wet	ND		82-113			
2-Butanone (MEK)			25	1.8	ug/kg wet	ND		70-134			
2-Hexanone			25	2.5	ug/kg wet	8.94		72-130			J

NiSource, Inc.
2402 Hookstown Grade Rd,Ste 200
Clinton, PA 15026

Work Order: RTG0489

Project: Sandusky, OH - East Perkins Avenue
Project Number: NISOURCE

Received: 07/02/10
Reported: 07/08/10 16:23

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Volatile Organic Compounds by EPA 8260B											
LCS Analyzed: 07/06/10 (Lab Number:10G0232-BS1, Batch: 10G0232)											
4-Methyl-2-pentanone (MIBK)			25	1.6	ug/kg wet	4.55		74-128			J
Acetone			25	4.2	ug/kg wet	10.4		61-137			J,B
Benzene		50.0	5.0	0.24	ug/kg wet	46.4	93	79-127			
Bromodichloromethane			5.0	0.67	ug/kg wet	ND		80-122			
Bromoform			5.0	2.5	ug/kg wet	ND		68-126			
Bromomethane			5.0	0.45	ug/kg wet	ND		43-151			
Carbon disulfide			5.0	2.5	ug/kg wet	ND		64-131			
Carbon Tetrachloride			5.0	0.48	ug/kg wet	ND		75-123			
Chlorobenzene		50.0	5.0	0.66	ug/kg wet	46.1	92	79-118			
Chlorodibromomethane			5.0	0.64	ug/kg wet	ND		76-125			
Chloroethane			5.0	1.1	ug/kg wet	ND		69-135			
Chloroform			5.0	0.31	ug/kg wet	ND		80-118			
Chloromethane			5.0	0.30	ug/kg wet	ND		63-127			
cis-1,2-Dichloroethene		50.0	5.0	0.64	ug/kg wet	45.8	92	81-117			
cis-1,3-Dichloropropene			5.0	0.72	ug/kg wet	ND		82-120			
Cyclohexane			5.0	0.70	ug/kg wet	ND		70-130			
Dichlorodifluoromethane			5.0	0.41	ug/kg wet	ND		57-142			
Ethylbenzene		50.0	5.0	0.34	ug/kg wet	48.1	96	83-120			
Isopropylbenzene			5.0	0.75	ug/kg wet	ND		72-120			
Methyl Acetate			5.0	0.93	ug/kg wet	ND		60-140			
Methyl tert-Butyl Ether		50.0	5.0	0.49	ug/kg wet	44.3	89	74-129			
Methylcyclohexane			5.0	0.76	ug/kg wet	ND		74-125			
Methylene Chloride			5.0	2.3	ug/kg wet	3.64		61-127			J
Styrene			5.0	0.25	ug/kg wet	ND		80-116			
Tetrachloroethene		50.0	5.0	0.67	ug/kg wet	47.2	94	76-125			
Toluene		50.0	5.0	0.38	ug/kg wet	48.9	98	74-128			
trans-1,2-Dichloroethene		50.0	5.0	0.52	ug/kg wet	46.8	94	78-126			
trans-1,3-Dichloropropene			5.0	2.2	ug/kg wet	ND		80-119			
Trichloroethene		50.0	5.0	1.1	ug/kg wet	46.6	93	79-121			
Trichlorofluoromethane			5.0	0.47	ug/kg wet	ND		65-146			
Vinyl chloride			10	0.61	ug/kg wet	ND		67-127			
Xylenes, total		150	10	0.84	ug/kg wet	142	95	82-120			
Surrogate: 1,2-Dichloroethane-d4					*ug/kg wet*		*98*	*61-136*			
Surrogate: 4-Bromofluorobenzene					*ug/kg wet*		*94*	*72-126*			
Surrogate: Toluene-d8					*ug/kg wet*		*95*	*71-125*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Blank Analyzed: 07/07/10 (Lab Number:10G0167-BLK1, Batch: 10G0167)											
2-Methylnaphthalene			17	1.0	ug/kg wet	ND					
Acenaphthene			17	1.3	ug/kg wet	ND					
Acenaphthylene			17	1.3	ug/kg wet	ND					
Anthracene			17	1.5	ug/kg wet	ND					
Benzo[a]anthracene			17	1.6	ug/kg wet	ND					
Benzo[a]pyrene			17	2.0	ug/kg wet	ND					
Benzo[b]fluoranthene			17	3.2	ug/kg wet	ND					
Benzo[g,h,i]perylene			17	2.0	ug/kg wet	ND					
Benzo[k]fluoranthene			17	4.2	ug/kg wet	ND					
Chrysene			17	1.0	ug/kg wet	ND					
Dibenz[a,h]anthracene			17	1.6	ug/kg wet	ND					
Fluoranthene			17	1.4	ug/kg wet	ND					
Fluorene			17	1.2	ug/kg wet	ND					
Indeno[1,2,3-cd]pyrene			17	0.97	ug/kg wet	ND					
Naphthalene			17	1.7	ug/kg wet	8.5					J
Phenanthrene			17	1.3	ug/kg wet	ND					
Pyrene			17	0.70	ug/kg wet	ND					
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*72*	*37-120*			
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*81*	*34-132*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*85*	*58-147*			
LCS Analyzed: 07/07/10 (Lab Number:10G0167-BS1, Batch: 10G0167)											
2-Methylnaphthalene			17	1.0	ug/kg wet	ND		47-120			
Acenaphthene		1660	17	1.3	ug/kg wet	1520	91	53-120			
Acenaphthylene		1660	17	1.3	ug/kg wet	1600	97	58-121			
Anthracene		1660	17	1.5	ug/kg wet	1780	107	62-129			
Benzo[a]anthracene		1660	17	1.7	ug/kg wet	1870	113	65-133			
Benzo[a]pyrene		1660	17	2.1	ug/kg wet	1460	88	64-127			
Benzo[b]fluoranthene		1660	17	3.3	ug/kg wet	1480	89	64-135			
Benzo[g,h,i]perylene		1660	17	2.0	ug/kg wet	1740	105	50-152			
Benzo[k]fluoranthene		1660	17	4.2	ug/kg wet	1280	77	58-138			
Chrysene		1240	17	1.0	ug/kg wet	1280	103	64-131			
Dibenz[a,h]anthracene		1660	17	1.6	ug/kg wet	1430	86	54-148			
Fluoranthene		1660	17	1.4	ug/kg wet	1890	114	62-131			
Fluorene		1660	17	1.2	ug/kg wet	1620	98	63-126			
Indeno[1,2,3-cd]pyrene		1660	17	0.99	ug/kg wet	1650	100	56-149			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
LCS Analyzed: 07/07/10 (Lab Number:10G0167-BS1, Batch: 10G0167)											
Naphthalene		1660	17	1.7	ug/kg wet	1160	70	46-120			B
Phenanthrene		1660	17	1.3	ug/kg wet	1760	106	60-130			
Pyrene		1660	17	0.70	ug/kg wet	1800	109	51-133			
Surrogate: 2-Fluorobiphenyl					*ug/kg wet*		*80*	*37-120*			
Surrogate: Nitrobenzene-d5					*ug/kg wet*		*88*	*34-132*			
Surrogate: p-Terphenyl-d14					*ug/kg wet*		*85*	*58-147*			
Matrix Spike Analyzed: 07/07/10 (Lab Number:10G0167-MS1, Batch: 10G0167)											
QC Source Sample: RTG0489-01											
2-Methylnaphthalene	ND		110	6.9	ug/kg dry	ND		47-120			
Acenaphthene	ND	2220	110	8.5	ug/kg dry	1900	86	53-120			
Acenaphthylene	ND	2220	110	8.8	ug/kg dry	2050	92	58-121			
Anthracene	ND	2220	110	10	ug/kg dry	2480	112	62-129			
Benzo[a]anthracene	ND	2220	110	11	ug/kg dry	2720	123	65-133			
Benzo[a]pyrene	301	2220	110	14	ug/kg dry	2360	93	64-127			
Benzo[b]fluoranthene	ND	2220	110	22	ug/kg dry	2070	94	64-135			
Benzo[g,h,i]perylene	37.0	2220	110	13	ug/kg dry	2530	112	50-152			
Benzo[k]fluoranthene	ND	2220	110	28	ug/kg dry	1930	87	58-138			
Chrysene	ND	1660	110	6.8	ug/kg dry	1720	103	64-131			
Dibenz[a,h]anthracene	ND	2220	110	11	ug/kg dry	2100	95	54-148			
Fluoranthene	89.3	2220	110	9.4	ug/kg dry	2950	129	62-131			
Fluorene	ND	2220	110	8.1	ug/kg dry	2130	96	63-126			
Indeno[1,2,3-cd]pyrene	205	2220	110	6.6	ug/kg dry	2500	103	56-149			
Naphthalene	ND	2220	110	11	ug/kg dry	1260	57	46-120			B
Phenanthrene	ND	2220	110	8.6	ug/kg dry	2380	107	60-130			
Pyrene	71.9	2220	110	4.7	ug/kg dry	2790	123	51-133			
Surrogate: 2-Fluorobiphenyl					*ug/kg dry*		*66*	*37-120*			
Surrogate: Nitrobenzene-d5					*ug/kg dry*		*54*	*34-132*			
Surrogate: p-Terphenyl-d14					*ug/kg dry*		*92*	*58-147*			
Matrix Spike Dup Analyzed: 07/07/10 (Lab Number:10G0167-MSD1, Batch: 10G0167)											
QC Source Sample: RTG0489-01											
2-Methylnaphthalene	ND		110	6.9	ug/kg dry	ND		47-120		21	
Acenaphthene	ND	2230	110	8.6	ug/kg dry	1640	74	53-120	15	24	
Acenaphthylene	ND	2230	110	8.9	ug/kg dry	1770	79	58-121	15	18	
Anthracene	ND	2230	110	10	ug/kg dry	2110	95	62-129	16	15	R2

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Semivolatile Organics by GC/MS											
Matrix Spike Dup Analyzed: 07/07/10 (Lab Number:10G0167-MSD1, Batch: 10G0167)											
QC Source Sample: RTG0489-01											
Benzo[a]anthracene	ND	2230	110	11	ug/kg dry	2290	103	65-133	17	15	R2
Benzo[a]pyrene	301	2230	110	14	ug/kg dry	2020	77	64-127	16	15	R2
Benzo[b]fluoranthene	ND	2230	110	22	ug/kg dry	1730	78	64-135	18	15	R2
Benzo[g,h,i]perylene	37.0	2230	110	14	ug/kg dry	2170	98	50-152	15	15	
Benzo[k]fluoranthene	ND	2230	110	28	ug/kg dry	1600	72	58-138	19	22	
Chrysene	ND	1670	110	6.8	ug/kg dry	1320	79	64-131	26	15	R2
Dibenz[a,h]anthracene	ND	2230	110	11	ug/kg dry	1840	83	54-148	13	15	
Fluoranthene	89.3	2230	110	9.4	ug/kg dry	2440	105	62-131	19	15	R2
Fluorene	ND	2230	110	8.2	ug/kg dry	1850	83	63-126	14	15	
Indeno[1,2,3-cd]pyrene	205	2230	110	6.6	ug/kg dry	2140	87	56-149	16	15	R2
Naphthalene	ND	2230	110	11	ug/kg dry	1340	60	46-120	6	29	B
Phenanthrene	ND	2230	110	8.6	ug/kg dry	1910	86	60-130	22	15	R2
Pyrene	71.9	2230	110	4.7	ug/kg dry	2260	98	51-133	21	19	R2
Surrogate: 2-Fluorobiphenyl					*ug/kg dry*		*68*	*37-120*			
Surrogate: Nitrobenzene-d5					*ug/kg dry*		*73*	*34-132*			
Surrogate: p-Terphenyl-d14					*ug/kg dry*		*80*	*58-147*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Blank Analyzed: 07/06/10 (Lab Number:10G0148-BLK1, Batch: 10G0148)											
Arsenic			1.9	0.2	mg/kg wet	ND					
Barium			0.481	0.010	mg/kg wet	0.143					B,J
Cadmium			0.192	0.029	mg/kg wet	ND					
Chromium			0.481	0.087	mg/kg wet	ND					
Lead			1.0	0.1	mg/kg wet	ND					
Selenium			3.8	0.4	mg/kg wet	ND					
Silver			0.481	0.067	mg/kg wet	ND					
Reference Analyzed: 07/06/10 (Lab Number:10G0148-SRM1, Batch: 10G0148)											
Arsenic		107	2.0	0.2	mg/kg wet	99.7	93	69.3-129.9			
Barium		331	0.501	0.010	mg/kg wet	305	92	74-126			B
Cadmium		244	0.200	0.030	mg/kg wet	221	91	73.4-126.2			
Chromium		81.1	0.501	0.090	mg/kg wet	73.8	91	68.9-131.5			
Lead		107	1.0	0.1	mg/kg wet	98.6	92	71.4-129			
Selenium		177	4.0	0.4	mg/kg wet	168	95	68.4-132.2			
Silver		46.3	0.501	0.070	mg/kg wet	42.9	93	66.2-133.5			
Total Metals by SW 846 Series Methods											
Blank Analyzed: 07/06/10 (Lab Number:10G0231-BLK1, Batch: 10G0231)											
Mercury			0.0208	0.0084	mg/kg wet	ND					
Reference Analyzed: 07/06/10 (Lab Number:10G0231-SRM1, Batch: 10G0231)											
Mercury		2.96	0.183	0.0740	mg/kg wet	2.42	82	67.6-132.8			

Test America-Buffalo
10 Hazelwood Dr.
Buffalo, NY 14228

Chain of Custody Record
SAN-2010-EPERKINS
for Site: Sandusky
& Rpt Event:

NiSource

Consultant:	Client:	Lab:	Report To:	TAT: 7 Day TAT
Steve Menosky 412 221 1296	Marc Okin - 485405	Candace Fox 716-504-9844		Rpt Lvl:Results, EDD, QC
AGES 800 Old Pond Road Bridgeville, PA 15017 412 221 1296				Notes:

Client Sample ID	Sample Date	Sample Time	Sample Type	Matrix	# Cont.	Filtered	Preserved	DG: PAH	RCRA Metals	DG: SW8260_S
SAN-ASB001-40001	07/01/2010	0830	F	S				x	x	x
SAN-ASB002-40001	07/01/2010	1000	F	S				x	x	x
SAN-ASB003-40001	07/01/2010	1020	F	S				x	x	x
SAN-ASB004-40001	07/01/2010	1045	F	S				x	x	x

Relinquished By (signature)	Date/Time	Relinquished By (signature)	Date/Time	Relinquished By (signature)	Date/Time
[signature]	7/1/2010	[signature]	7/2/10 0910		
Received By (signature)	**Date/Time**	**Received By (signature)**	**Date/Time**	**Received By (signature)**	**Date/Time**