NISOURCE INC.

Client Sample ID: ROOF-WIPE-6

GC Semivolatiles

Lot-Sample #...: A4H230109-007 **Work Order #...:** GNN271AA **Matrix.....:** SW
Date Sampled...: 08/20/04 09:50 **Date Received..:** 08/21/04
Prep Date.....: 08/23/04 **Analysis Date..:** 08/30/04
Prep Batch #...: 4236386
Dilution Factor: 1 **Method.....:** SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	4.0	ug	4.0
Aroclor 1221	ND	4.0	ug	4.0
Aroclor 1232	ND	4.0	ug	4.0
Aroclor 1242	ND	4.0	ug	4.0
Aroclor 1248	ND	4.0	ug	4.0
Aroclor 1254	ND	4.0	ug	4.0
Aroclor 1260	**4.7**	**4.0**	**ug**	**4.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	116	(66 - 135)
Decachlorobiphenyl	102	(64 - 181)

NISOURCE INC.

Client Sample ID: ROOF-WIPE-7

GC Semivolatiles

Lot-Sample #...: A4H230109-008 Work Order #...: GNN281AA Matrix.....: SW
Date Sampled...: 08/20/04 10:00 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236386
Dilution Factor: 1 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	4.0	ug	4.0
Aroclor 1221	ND	4.0	ug	4.0
Aroclor 1232	ND	4.0	ug	4.0
Aroclor 1242	ND	4.0	ug	4.0
Aroclor 1248	ND	4.0	ug	4.0
Aroclor 1254	ND	4.0	ug	4.0
Aroclor 1260	11	4.0	ug	4.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	97	(66 - 135)
Decachlorobiphenyl	85	(64 - 181)

NISOURCE INC.

Client Sample ID: ROOF-WIPE-8

GC Semivolatiles

Lot-Sample #...: A4H230109-009 Work Order #...: GNN291AA Matrix.....: SW
Date Sampled...: 08/20/04 10:10 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236386
Dilution Factor: 1 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	4.0	ug	4.0
Aroclor 1221	ND	4.0	ug	4.0
Aroclor 1232	ND	4.0	ug	4.0
Aroclor 1242	ND	4.0	ug	4.0
Aroclor 1248	ND	4.0	ug	4.0
Aroclor 1254	ND	4.0	ug	4.0
Aroclor 1260	15	4.0	ug	4.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	128	(66 - 135)
Decachlorobiphenyl	104	(64 - 181)

NISOURCE INC.

Client Sample ID: ROOF-WIPE-9

GC Semivolatiles

Lot-Sample #...: A4H230109-010 Work Order #...: GNN3A1AA Matrix.....: SW
Date Sampled...: 08/20/04 10:20 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236386
Dilution Factor: 1 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	4.0	ug	4.0
Aroclor 1221	ND	4.0	ug	4.0
Aroclor 1232	ND	4.0	ug	4.0
Aroclor 1242	ND	4.0	ug	4.0
Aroclor 1248	ND	4.0	ug	4.0
Aroclor 1254	ND	4.0	ug	4.0
Aroclor 1260	**26**	**4.0**	**ug**	**4.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	91	(66 - 135)
Decachlorobiphenyl	85	(64 - 181)

NISOURCE INC.

Client Sample ID: ROOF-WIPE-10

GC Semivolatiles

Lot-Sample #...: A4H230109-011 Work Order #...: GNN3C1AA Matrix.....: SW
Date Sampled...: 08/20/04 10:30 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236386
Dilution Factor: 1 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	4.0	ug	4.0
Aroclor 1221	ND	4.0	ug	4.0
Aroclor 1232	ND	4.0	ug	4.0
Aroclor 1242	ND	4.0	ug	4.0
Aroclor 1248	ND	4.0	ug	4.0
Aroclor 1254	ND	4.0	ug	4.0
Aroclor 1260	21	4.0	ug	4.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	122	(66 - 135)
Decachlorobiphenyl	124	(64 - 181)

SEVERN TRENT STL

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A4H230109 **Work Order #...:** GNP151AA **Matrix.....:** WIPE
MB Lot-Sample #: A4H230000-386

Prep Date.....: 08/23/04
Analysis Date..: 08/30/04 **Prep Batch #...:** 4236386
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	4.0	ug	SW846 8082
Aroclor 1221	ND	4.0	ug	SW846 8082
Aroclor 1232	ND	4.0	ug	SW846 8082
Aroclor 1242	ND	4.0	ug	SW846 8082
Aroclor 1248	ND	4.0	ug	SW846 8082
Aroclor 1254	ND	4.0	ug	SW846 8082
Aroclor 1260	ND	4.0	ug	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	116	(66 - 135)
Decachlorobiphenyl	98	(64 - 181)

NOTE(S):

culations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A4H230109 **Work Order #...:** GNP151AC-LCS **Matrix.....:** WIPE
LCS Lot-Sample#: A4H230000-386 GNP151AD-LCSD
Prep Date.....: 08/23/04 **Analysis Date..:** 08/30/04
Prep Batch #...: 4236386
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	118	(90 - 138)			SW846 8082
	113	(90 - 138)	5.1	(0-30)	SW846 8082
Aroclor 1260	109	(88 - 125)			SW846 8082
	107	(88 - 125)	1.6	(0-30)	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(66 - 135)
	105	(66 - 135)
Decachlorobiphenyl	133	(64 - 181)
	126	(64 - 181)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

ld print denotes control parameters

[redacted]

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: Niagara c/o SE Technologies	Project Manager: Steve Gerritsen	Date	Chain of Custody Number: 013900
Address: 9[illegible] Vanadium Road	Telephone Number (Area Code)/Fax Number: 412-221-1100 x1662 sgerritsen@vanadium.com	Lab Number	Page ____ of ____
City: Pittsburgh; State: PA; Zip Code: 15017	Site Contact: S. Gerritsen	Lab Contact	
Project Name and Location (State): Mitkens OHIO	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Wipe	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): PCBs	Special Instructions/ Conditions of Receipt
Roof-wipe-1	8-20-04	9:00					X	X							X	
Roof-wipe-2D		9:05					X	X							X	
Roof-wipe-2		9:10					X	X							X	Hexane
Roof-wipe-3		9:15					X	X							X	
Roof-wipe-4		9:20					X	X							X	
Roof-wipe-5		9:40					X	X							X	
Roof-wipe-6		9:50					X	X							X	
Roof-wipe-7		10:00					X	X							X	
Roof-wipe-8		10:10					X	X							X	
Roof-wipe-9		10:20					X	X							X	
Roof-wipe-10		10:30					X	X							X	

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 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other STD. Niagara

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	8-20-04	1115	1. Received By: [signature]	8/21/04	9:30
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

STL North Canton

22

STL Cooler Receipt Form/Narrative **Lot Number:** 44H230109

North Canton Facility

Client: NiSource c/o SE Tech Project: Athens Ohio Quote#: _____

Cooler Received on: 8/21/04 Opened on: 8/21/04 by: Terry Bu (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other: _____

STL Cooler No# No # Foam Box ☐ Client Cooler ☐ Other ____

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
   If YES, Quantity _____
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒
2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☐ Foam ☐ None ☐ Other: air bags
6. Cooler temperature upon receipt 2.8 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_2O Slurry ☐

COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☒
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning:

√		

1. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #052804-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # -031804-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

SOP: NC-SC-0005, Sample Receiving
N:\QAQC\NARRATIV\STL\Cooler Receipt STL\COOLER_STL_Rev42 081704.doc

SEVERN TRENT STL

END OF REPORT

SEVERN TRENT STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

ATHENS SERVICE CTR, OHIO

Lot #: A4H230110

Steve Gerritsen

SE Technologies, Inc.
Building D, 2nd Floor
98 Vanadium Road
Bridgeville, PA 15017

SEVERN TRENT LABORATORIES, INC.

Frank J. Calovini
Project Manager

September 16, 2004

CASE NARRATIVE
A4H230110

The following report contains the analytical results for twenty-seven solid samples submitted to STL North Canton by NiSource Inc. from the Athens Service CTR, Ohio Site. The samples were received August 21, 2004, according to documented sample acceptance procedures and were analyzed in accordance with Ohio Voluntary Action Program protocols, where applicable.

The Mercury and TS analyses were performed at STL Pittsburgh.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Steve Gerritsen on September 03, 2004, and September 15, 2004. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Frank J. Calovini, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 2.8°C.

See STL's Cooler Receipt Form for additional information.

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

POLYNUCLEAR AROMATIC HYDROCARBONS-8310

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The analyses reported herein were performed using an instrument that has two columns(GC) or detectors(HPLC), one of which is used to confirm the results of the other. Peak interferences may result in some cases, which cause a quantitation difference between the two columns/detectors. If the difference between the two results is greater than 40%, the higher of the two results or the primary column/detector is normally reported. The reported results are flagged with "PG".

METALS

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#100439), Kansas (#E10336), Louisiana (#04112), Maryland (#272), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio (#6090), OhioVAP (#CL0024), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003), Tennessee (#02903), Utah (#QUAN9), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

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EXECUTIVE SUMMARY - Detection Highlights

A4H230110

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GATH-SS-9 08/19/04 14:30 001				
Acenaphthylene	6900	3700	ug/kg	SW846 8310
Anthracene	5900	710	ug/kg	SW846 8310
Benzo(a)anthracene	22000	710	ug/kg	SW846 8310
Benzo(a)pyrene	18000 PG	710	ug/kg	SW846 8310
Benzo(b)fluoranthene	22000	710	ug/kg	SW846 8310
Benzo(ghi)perylene	11000	710	ug/kg	SW846 8310
Benzo(k)fluoranthene	12000 PG	710	ug/kg	SW846 8310
Chrysene	24000	710	ug/kg	SW846 8310
Dibenz(a,h)anthracene	12000 PG	710	ug/kg	SW846 8310
Fluoranthene	58000 PG	710	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	13000	710	ug/kg	SW846 8310
Phenanthrene	32000	710	ug/kg	SW846 8310
Pyrene	56000	710	ug/kg	SW846 8310
Percent Solids	92.9	10.0	%	MCAWW 160.3 MOD
TCO-SS-10 08/19/04 14:40 002				
Anthracene	8.5	3.7	ug/kg	SW846 8310
Benzo(a)anthracene	51	3.7	ug/kg	SW846 8310
Benzo(a)pyrene	45	3.7	ug/kg	SW846 8310
Benzo(b)fluoranthene	73	3.7	ug/kg	SW846 8310
Benzo(ghi)perylene	42 PG	3.7	ug/kg	SW846 8310
Benzo(k)fluoranthene	25	3.7	ug/kg	SW846 8310
Chrysene	48 PG	3.7	ug/kg	SW846 8310
Dibenz(a,h)anthracene	14 PG	3.7	ug/kg	SW846 8310
Fluoranthene	92 PG	3.7	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	27 PG	3.7	ug/kg	SW846 8310
Phenanthrene	36	3.7	ug/kg	SW846 8310
Pyrene	95	3.7	ug/kg	SW846 8310
Percent Solids	88.7	10.0	%	MCAWW 160.3 MOD
TCO-SS-11 08/19/04 14:35 003				
Benzo(a)anthracene	230	180	ug/kg	SW846 8310
Benzo(a)pyrene	140 J	180	ug/kg	SW846 8310
Benzo(b)fluoranthene	250	180	ug/kg	SW846 8310
Benzo(ghi)perylene	130 J	180	ug/kg	SW846 8310
Benzo(k)fluoranthene	130 J	180	ug/kg	SW846 8310
Chrysene	230	180	ug/kg	SW846 8310
Fluoranthene	520 PG	180	ug/kg	SW846 8310
Phenanthrene	270	180	ug/kg	SW846 8310
Pyrene	350 PG	180	ug/kg	SW846 8310
Percent Solids	89.4	10.0	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H230110

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TCO-SS-12 08/19/04 14:45 004				
Anthracene	56	19	ug/kg	SW846 8310
Benzo(a)anthracene	320	19	ug/kg	SW846 8310
Benzo(a)pyrene	360	19	ug/kg	SW846 8310
Benzo(b)fluoranthene	510	19	ug/kg	SW846 8310
Benzo(ghi)perylene	310	19	ug/kg	SW846 8310
Benzo(k)fluoranthene	200	19	ug/kg	SW846 8310
Chrysene	460	19	ug/kg	SW846 8310
Dibenz(a,h)anthracene	280 PG	19	ug/kg	SW846 8310
Fluoranthene	660 PG	19	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	370	19	ug/kg	SW846 8310
Phenanthrene	280	19	ug/kg	SW846 8310
Pyrene	710	19	ug/kg	SW846 8310
Percent Solids	88.3	10.0	%	MCAWW 160.3 MOD
TCO-SS-13 08/19/04 14:50 005				
Anthracene	590	69	ug/kg	SW846 8310
Benzo(a)anthracene	1400	69	ug/kg	SW846 8310
Benzo(a)pyrene	920	69	ug/kg	SW846 8310
Benzo(b)fluoranthene	1100	69	ug/kg	SW846 8310
Benzo(ghi)perylene	940	69	ug/kg	SW846 8310
Benzo(k)fluoranthene	590	69	ug/kg	SW846 8310
Chrysene	1600	69	ug/kg	SW846 8310
Dibenz(a,h)anthracene	790 PG	69	ug/kg	SW846 8310
Fluoranthene	3800 PG	69	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	760	69	ug/kg	SW846 8310
Phenanthrene	2900	69	ug/kg	SW846 8310
Pyrene	3700	69	ug/kg	SW846 8310
Percent Solids	95.5	10.0	%	MCAWW 160.3 MOD
TCO-SS-14 08/19/04 14:57 006				
Acenaphthylene	150 J	180	ug/kg	SW846 8310
Anthracene	57 PG	34	ug/kg	SW846 8310
Benzo(a)anthracene	410	34	ug/kg	SW846 8310
Benzo(a)pyrene	680	34	ug/kg	SW846 8310
Benzo(b)fluoranthene	820	34	ug/kg	SW846 8310
Benzo(ghi)perylene	720 PG	34	ug/kg	SW846 8310
Benzo(k)fluoranthene	420	34	ug/kg	SW846 8310
Chrysene	570	34	ug/kg	SW846 8310
Dibenz(a,h)anthracene	600 PG	34	ug/kg	SW846 8310
Fluoranthene	1100 PG	34	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	810	34	ug/kg	SW846 8310

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H230110

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TCO-SS-14 08/19/04 14:57 006				
Phenanthrene	270	34	ug/kg	SW846 8310
Pyrene	1000	34	ug/kg	SW846 8310
Percent Solids	95.7	10.0	%	MCAWW 160.3 MOD
TCO-SS-15 08/19/04 14:55 007				
Acenaphthylene	700	360	ug/kg	SW846 8310
Anthracene	150 PG	70	ug/kg	SW846 8310
Benzo(a)anthracene	770	70	ug/kg	SW846 8310
Benzo(a)pyrene	1300	70	ug/kg	SW846 8310
Benzo(b)fluoranthene	1700	70	ug/kg	SW846 8310
Benzo(ghi)perylene	1400	70	ug/kg	SW846 8310
Benzo(k)fluoranthene	820	70	ug/kg	SW846 8310
Chrysene	1700	70	ug/kg	SW846 8310
Dibenz(a,h)anthracene	3000	70	ug/kg	SW846 8310
Fluoranthene	2300	70	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	1400	70	ug/kg	SW846 8310
Phenanthrene	810	70	ug/kg	SW846 8310
Pyrene	2400	70	ug/kg	SW846 8310
Percent Solids	94.0	10.0	%	MCAWW 160.3 MOD
TCO-SS-16 08/19/04 15:00 008				
Anthracene	10	3.5	ug/kg	SW846 8310
Benzo(a)anthracene	57	3.5	ug/kg	SW846 8310
Benzo(a)pyrene	36	3.5	ug/kg	SW846 8310
Benzo(b)fluoranthene	58	3.5	ug/kg	SW846 8310
Benzo(ghi)perylene	33	3.5	ug/kg	SW846 8310
Benzo(k)fluoranthene	26	3.5	ug/kg	SW846 8310
Chrysene	71	3.5	ug/kg	SW846 8310
Fluoranthene	100 PG	3.5	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	27	3.5	ug/kg	SW846 8310
Phenanthrene	47	3.5	ug/kg	SW846 8310
Pyrene	120	3.5	ug/kg	SW846 8310
Percent Solids	94.4	10.0	%	MCAWW 160.3 MOD
TCO-SS-17 08/19/04 15:05 009				
Acenaphthylene	5000	940	ug/kg	SW846 8310
Anthracene	750 PG	180	ug/kg	SW846 8310
Benzo(a)anthracene	5000	180	ug/kg	SW846 8310
Benzo(a)pyrene	6800	180	ug/kg	SW846 8310
Benzo(b)fluoranthene	9300	180	ug/kg	SW846 8310

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H230110

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TCO-SS-17 08/19/04 15:05 009				
Benzo(ghi)perylene	6100 PG	180	ug/kg	SW846 8310
Benzo(k)fluoranthene	5000	180	ug/kg	SW846 8310
Chrysene	7600	180	ug/kg	SW846 8310
Dibenz(a,h)anthracene	6000	180	ug/kg	SW846 8310
Fluoranthene	11000 PG	180	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	7600	180	ug/kg	SW846 8310
Phenanthrene	3000	180	ug/kg	SW846 8310
Pyrene	12000	180	ug/kg	SW846 8310
Percent Solids	90.8	10.0	%	MCAWW 160.3 MOD
TCO-SS-18 08/19/04 15:30 010				
Acenaphthylene	1700	980	ug/kg	SW846 8310
Anthracene	380 PG	190	ug/kg	SW846 8310
Benzo(a)anthracene	2200	190	ug/kg	SW846 8310
Benzo(a)pyrene	3700	190	ug/kg	SW846 8310
Benzo(b)fluoranthene	5000	190	ug/kg	SW846 8310
Benzo(ghi)perylene	3200 PG	190	ug/kg	SW846 8310
Benzo(k)fluoranthene	2400	190	ug/kg	SW846 8310
Chrysene	3700	190	ug/kg	SW846 8310
Dibenz(a,h)anthracene	6000	190	ug/kg	SW846 8310
Fluoranthene	5800 PG	190	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	3900 PG	190	ug/kg	SW846 8310
Phenanthrene	1500	190	ug/kg	SW846 8310
Pyrene	5900	190	ug/kg	SW846 8310
Percent Solids	86.4	10.0	%	MCAWW 160.3 MOD
TCO-SS-19 08/19/04 15:10 011				
Acenaphthylene	180 J	370	ug/kg	SW846 8310
Anthracene	64 J	72	ug/kg	SW846 8310
Benzo(a)anthracene	330	72	ug/kg	SW846 8310
Benzo(a)pyrene	450	72	ug/kg	SW846 8310
Benzo(b)fluoranthene	560	72	ug/kg	SW846 8310
Benzo(ghi)perylene	390	72	ug/kg	SW846 8310
Benzo(k)fluoranthene	350	72	ug/kg	SW846 8310
Chrysene	450	72	ug/kg	SW846 8310
Dibenz(a,h)anthracene	760 PG	72	ug/kg	SW846 8310
Fluoranthene	760 PG	72	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	500	72	ug/kg	SW846 8310
Phenanthrene	260	72	ug/kg	SW846 8310
Pyrene	890	72	ug/kg	SW846 8310
Percent Solids	91.6	10.0	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H230110

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
TCO-SS-19D 08/19/04 15:15 012				
Acenaphthylene	260 J	380	ug/kg	SW846 8310
Benzo(a)anthracene	270	73	ug/kg	SW846 8310
Benzo(a)pyrene	340	73	ug/kg	SW846 8310
Benzo(b)fluoranthene	420	73	ug/kg	SW846 8310
Benzo(ghi)perylene	280 PG	73	ug/kg	SW846 8310
Benzo(k)fluoranthene	190	73	ug/kg	SW846 8310
Chrysene	350	73	ug/kg	SW846 8310
Dibenz(a,h)anthracene	460 PG	73	ug/kg	SW846 8310
Fluoranthene	560 PG	73	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	380	73	ug/kg	SW846 8310
Phenanthrene	210	73	ug/kg	SW846 8310
Pyrene	730	73	ug/kg	SW846 8310
Percent Solids	90.4	10.0	%	MCAWW 160.3 MOD
GATH-CHIP-1 08/19/04 15:40 013				
Percent Solids	96.4	10.0	%	MCAWW 160.3 MOD
GATH-CHIP-1D 08/19/04 15:45 014				
Percent Solids	97.2	10.0	%	MCAWW 160.3 MOD
TCO CHIP-2 08/19/04 16:00 015				
Percent Solids	96.9	10.0	%	MCAWW 160.3 MOD
GATH-SS-20 08/20/04 07:05 016				
Aroclor 1260	490	180	ug/kg	SW846 8082
Percent Solids	94.0	10.0	%	MCAWW 160.3 MOD
GATH-SS-21 08/20/04 07:00 017				
Aroclor 1260	200	36	ug/kg	SW846 8082
Percent Solids	92.2	10.0	%	MCAWW 160.3 MOD
GATH-SS-22 08/20/04 07:10 018				
Aroclor 1254	140	34	ug/kg	SW846 8082
Percent Solids	95.7	10.0	%	MCAWW 160.3 MOD

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A4H230110

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
GATH-SS-23 08/20/04 07:15 019				
Aroclor 1260	76	35	ug/kg	SW846 8082
Percent Solids	95.3	10.0	%	MCAWW 160.3 MOD
GATH-SS-24 08/20/04 07:08 020				
Aroclor 1260	270	36	ug/kg	SW846 8082
Percent Solids	92.8	10.0	%	MCAWW 160.3 MOD
GATH-SS-25 08/20/04 07:17 021				
Aroclor 1254	380	71	ug/kg	SW846 8082
Percent Solids	92.6	10.0	%	MCAWW 160.3 MOD
GATH-SS-26 08/20/04 07:30 022				
Aroclor 1254	270	71	ug/kg	SW846 8082
Percent Solids	93.5	10.0	%	MCAWW 160.3 MOD
GATH-SS-26D 08/20/04 07:35 023				
Aroclor 1254	190	35	ug/kg	SW846 8082
Percent Solids	94.1	10.0	%	MCAWW 160.3 MOD
GATH-SS-27 08/20/04 07:25 024				
Aroclor 1254	11000	1700	ug/kg	SW846 8082
Percent Solids	94.4	10.0	%	MCAWW 160.3 MOD
TRASH-SED-2A 08/20/04 08:10 025				
Mercury	0.41	0.082	mg/kg	SW846 7471A
Percent Solids	40.2	1.0	%	MCAWW 160.3 MOD
TRASH-SED-2A-D 08/20/04 08:15 026				
Mercury	0.58	0.11	mg/kg	SW846 7471A
Percent Solids	29.8	1.0	%	MCAWW 160.3 MOD
AERATION-SED-2B 08/20/04 08:20 027				
Percent Solids	83.8	1.0	%	MCAWW 160.3 MOD

ANALYTICAL METHODS SUMMARY

A4H230110

PARAMETER	ANALYTICAL METHOD
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Polynuclear Aromatic Hydrocarbons by HPLC	SW846 8310
PCBs by SW-846 8082	SW846 8082
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A4H230110

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GNN3F	001	GATH-SS-9	08/19/04	14:30
GNN3H	002	TCO-SS-10	08/19/04	14:40
GNN3J	003	TCO-SS-11	08/19/04	14:35
GNN3K	004	TCO-SS-12	08/19/04	14:45
GNN3L	005	TCO-SS-13	08/19/04	14:50
GNN3M	006	TCO-SS-14	08/19/04	14:57
GNN3N	007	TCO-SS-15	08/19/04	14:55
GNN3P	008	TCO-SS-16	08/19/04	15:00
GNN3Q	009	TCO-SS-17	08/19/04	15:05
GNN3R	010	TCO-SS-18	08/19/04	15:30
GNN3T	011	TCO-SS-19	08/19/04	15:10
GNN3V	012	TCO-SS-19D	08/19/04	15:15
GNN3X	013	GATH-CHIP-1	08/19/04	15:40
GNN30	014	GATH-CHIP-1D	08/19/04	15:45
GNN31	015	TCO CHIP-2	08/19/04	16:00
GNN34	016	GATH-SS-20	08/20/04	07:05
GNN4E	017	GATH-SS-21	08/20/04	07:00
GNN4F	018	GATH-SS-22	08/20/04	07:10
GNN4G	019	GATH-SS-23	08/20/04	07:15
GNN4H	020	GATH-SS-24	08/20/04	07:08
N4J	021	GATH-SS-25	08/20/04	07:17
GNN4K	022	GATH-SS-26	08/20/04	07:30
GNN4L	023	GATH-SS-26D	08/20/04	07:35
GNN4M	024	GATH-SS-27	08/20/04	07:25
GNN4N	025	TRASH-SED-2A	08/20/04	08:10
GNN51	026	TRASH-SED-2A-D	08/20/04	08:15
GNN53	027	AERATION-SED-2B	08/20/04	08:20

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

NISOURCE INC.

Client Sample ID: GATH-SS-9

HPLC

Lot-Sample #...: A4H230110-001 Work Order #...: GNN3F1AD Matrix.....: SO
Date Sampled...: 08/19/04 14:30 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/02/04
Prep Batch #...: 4236388
Dilution Factor: 200
% Moisture.....: 7.1 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	3700	ug/kg	1200
Acenaphthylene	6900	3700	ug/kg	1400
Anthracene	5900	710	ug/kg	340
Benzo(a)anthracene	22000	710	ug/kg	240
Benzo(a)pyrene	18000 PG	710	ug/kg	410
Benzo(b)fluoranthene	22000	710	ug/kg	240
Benzo(ghi)perylene	11000	710	ug/kg	280
Benzo(k)fluoranthene	12000 PG	710	ug/kg	220
Chrysene	24000	710	ug/kg	240
Dibenz(a,h)anthracene	12000 PG	710	ug/kg	220
Fluoranthene	58000 PG	710	ug/kg	280
Fluorene	ND	710	ug/kg	240
Indeno(1,2,3-cd)pyrene	13000	710	ug/kg	240
aphthalene	ND	3700	ug/kg	2100
Phenanthrene	32000	710	ug/kg	220
Pyrene	56000	710	ug/kg	190

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	7840 DIL,*	(10 - 158)
Terphenyl-d14	5580 DIL,*	(10 - 162)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: GATH-SS-9

General Chemistry

Lot-Sample #...: A4H230110-001 Work Order #...: GNN3F Matrix.....: SO
Date Sampled...: 08/19/04 14:30 Date Received..: 08/21/04
% Moisture.....: 7.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	92.9	10.0	%	MCANW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-10

HPLC

Lot-Sample #...: A4H230110-002 Work Order #...: GNN3H1AD Matrix.....: SO
Date Sampled...: 08/19/04 14:40 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/01/04
Prep Batch #...: 4236388
Dilution Factor: 1
% Moisture.....: 11 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	19	ug/kg	6.5
Acenaphthylene	ND	19	ug/kg	7.6
Anthracene	8.5	3.7	ug/kg	1.8
Benzo(a)anthracene	51	3.7	ug/kg	1.2
Benzo(a)pyrene	45	3.7	ug/kg	2.1
Benzo(b)fluoranthene	73	3.7	ug/kg	1.2
Benzo(ghi)perylene	42 PG	3.7	ug/kg	1.5
Benzo(k)fluoranthene	25	3.7	ug/kg	1.1
Chrysene	48 PG	3.7	ug/kg	1.2
Dibenz(a,h)anthracene	14 PG	3.7	ug/kg	1.1
Fluoranthene	92 PG	3.7	ug/kg	1.5
Fluorene	ND	3.7	ug/kg	1.2
Indeno(1,2,3-cd)pyrene	27 PG	3.7	ug/kg	1.2
aphthalene	ND	19	ug/kg	11
Phenanthrene	36	3.7	ug/kg	1.1
Pyrene	95	3.7	ug/kg	0.97

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	66	(10 - 158)
Terphenyl-d14	87	(10 - 162)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-10

General Chemistry

Lot-Sample #...: A4H230110-002 Work Order #...: GNN3H Matrix.....: SO
Date Sampled...: 08/19/04 14:40 Date Received..: 08/21/04
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	88.7	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-11

HPLC

Lot-Sample #...: A4H230110-003 Work Order #...: GNN3J1AD Matrix.....: SO
Date Sampled...: 08/19/04 14:35 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/02/04
Prep Batch #...: 4236388
Dilution Factor: 50
% Moisture.....: 11 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	950	ug/kg	320
Acenaphthylene	ND	950	ug/kg	370
Anthracene	ND	180	ug/kg	89
Benzo(a)anthracene	230	180	ug/kg	62
Benzo(a)pyrene	140 J	180	ug/kg	110
Benzo(b)fluoranthene	250	180	ug/kg	62
Benzo(ghi)perylene	130 J	180	ug/kg	73
Benzo(k)fluoranthene	130 J	180	ug/kg	56
Chrysene	230	180	ug/kg	62
Dibenz(a,h)anthracene	ND	180	ug/kg	56
Fluoranthene	520 PG	180	ug/kg	73
Fluorene	ND	180	ug/kg	62
Indeno(1,2,3-cd)pyrene	ND	180	ug/kg	62
aphthalene	ND	950	ug/kg	540
Phenanthrene	270	180	ug/kg	56
Pyrene	350 PG	180	ug/kg	48

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	50 DIL	(10 - 158)
Terphenyl-d14	18 DIL	(10 - 162)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-11

General Chemistry

Lot-Sample #...: A4H230110-003 Work Order #...: GNN3J Matrix.....: SO
Date Sampled...: 08/19/04 14:35 Date Received..: 08/21/04
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	89.4	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-12

HPLC

Lot-Sample #...: A4H230110-004 Work Order #...: GNN3K1AA Matrix.....: SO
Date Sampled...: 08/19/04 14:45 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/02/04
Prep Batch #...: 4236388
Dilution Factor: 5
% Moisture.....: 12 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	96	ug/kg	33
Acenaphthylene	ND	96	ug/kg	38
Anthracene	56	19	ug/kg	9.1
Benzo(a)anthracene	320	19	ug/kg	6.2
Benzo(a)pyrene	360	19	ug/kg	11
Benzo(b)fluoranthene	510	19	ug/kg	6.2
Benzo(ghi)perylene	310	19	ug/kg	7.4
Benzo(k)fluoranthene	200	19	ug/kg	5.7
Chrysene	460	19	ug/kg	6.2
Dibenz(a,h)anthracene	280 PG	19	ug/kg	5.7
Fluoranthene	660 PG	19	ug/kg	7.4
Fluorene	ND	19	ug/kg	6.2
˜ndeno(1,2,3-cd)pyrene	370	19	ug/kg	6.2
aphthalene	ND	96	ug/kg	55
Phenanthrene	280	19	ug/kg	5.7
Pyrene	710	19	ug/kg	4.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	195 DIL,*	(10 - 158)
Terphenyl-d14	157 DIL	(10 - 162)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-12

General Chemistry

Lot-Sample #...: A4H230110-004 Work Order #...: GNN3K Matrix.....: SO
Date Sampled...: 08/19/04 14:45 Date Received..: 08/21/04
% Moisture.....: 12

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	88.3	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-13

HPLC

Lot-Sample #...: A4H230110-005 Work Order #...: GNN3L1AC Matrix.....: SO
Date Sampled...: 08/19/04 14:50 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/02/04
Prep Batch #...: 4236388
Dilution Factor: 20
% Moisture.....: 4.5 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	360	ug/kg	120
Acenaphthylene	ND	360	ug/kg	140
Anthracene	590	69	ug/kg	33
Benzo(a)anthracene	1400	69	ug/kg	23
Benzo(a)pyrene	920	69	ug/kg	40
Benzo(b)fluoranthene	1100	69	ug/kg	23
Benzo(ghi)perylene	940	69	ug/kg	27
Benzo(k)fluoranthene	590	69	ug/kg	21
Chrysene	1600	69	ug/kg	23
Dibenz(a,h)anthracene	790 PG	69	ug/kg	21
Fluoranthene	3800 PG	69	ug/kg	27
Fluorene	ND	69	ug/kg	23
Indeno(1,2,3-cd)pyrene	760	69	ug/kg	23
aphthalene	ND	360	ug/kg	200
Phenanthrene	2900	69	ug/kg	21
Pyrene	3700	69	ug/kg	18

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	497 DIL,*	(10 - 158)
Terphenyl-d14	477 DIL,*	(10 - 162)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-13

General Chemistry

Lot-Sample #...: A4H230110-005 Work Order #...: GNN3L Matrix.....: SO
Date Sampled...: 08/19/04 14:50 Date Received..: 08/21/04
% Moisture.....: 4.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	95.5	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-14

HPLC

Lot-Sample #...: A4H230110-006 Work Order #...: GNN3M1AC Matrix.....: SO
Date Sampled...: 08/19/04 14:57 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/09/04
Prep Batch #...: 4236388
Dilution Factor: 10
% Moisture.....: 4.3 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	180	ug/kg	61
Acenaphthylene	150 J	180	ug/kg	70
Anthracene	57 PG	34	ug/kg	17
Benzo(a)anthracene	410	34	ug/kg	11
Benzo(a)pyrene	680	34	ug/kg	20
Benzo(b)fluoranthene	820	34	ug/kg	11
Benzo(ghi)perylene	720 PG	34	ug/kg	14
Benzo(k)fluoranthene	420	34	ug/kg	10
Chrysene	570	34	ug/kg	11
Dibenz(a,h)anthracene	600 PG	34	ug/kg	10
Fluoranthene	1100 PG	34	ug/kg	14
Fluorene	ND	34	ug/kg	11
Indeno(1,2,3-cd)pyrene	810	34	ug/kg	11
aphthalene	ND	180	ug/kg	100
Phenanthrene	270	34	ug/kg	10
Pyrene	1000	34	ug/kg	9.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	378 DIL,*	(10 - 158)
Terphenyl-d14	195 DIL,*	(10 - 162)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-14

General Chemistry

Lot-Sample #...: A4H230110-006 Work Order #...: GNN3M Matrix.....: SO
Date Sampled...: 08/19/04 14:57 Date Received..: 08/21/04
% Moisture.....: 4.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	95.7	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-15

HPLC

Lot-Sample #...: A4H230110-007 Work Order #...: GNN3N1AC Matrix.....: SO
Date Sampled...: 08/19/04 14:55 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/01/04
Prep Batch #...: 4236388
Dilution Factor: 20
% Moisture.....: 6.0 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	360	ug/kg	120
Acenaphthylene	700	360	ug/kg	140
Anthracene	150 PG	70	ug/kg	34
Benzo(a)anthracene	770	70	ug/kg	23
Benzo(a)pyrene	1300	70	ug/kg	40
Benzo(b)fluoranthene	1700	70	ug/kg	23
Benzo(ghi)perylene	1400	70	ug/kg	28
Benzo(k)fluoranthene	820	70	ug/kg	21
Chrysene	1700	70	ug/kg	23
Dibenz(a,h)anthracene	3000	70	ug/kg	21
Fluoranthene	2300	70	ug/kg	28
Fluorene	ND	70	ug/kg	23
Indeno(1,2,3-cd)pyrene	1400	70	ug/kg	23
Naphthalene	ND	360	ug/kg	210
Phenanthrene	810	70	ug/kg	21
Pyrene	2400	70	ug/kg	18

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	476 DIL,*	(10 - 158)
Terphenyl-d14	150 DIL	(10 - 162)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-15

General Chemistry

Lot-Sample #...: A4H230110-007 Work Order #...: GNN3N Matrix.....: SO
Date Sampled...: 08/19/04 14:55 Date Received..: 08/21/04
% Moisture.....: 6.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	94.0	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	423637B

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-16

HPLC

Lot-Sample #...: A4H230110-008 Work Order #...: GNN3P1AC Matrix.....: SO
Date Sampled...: 08/19/04 15:00 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/01/04
Prep Batch #...: 4236388
Dilution Factor: 1
% Moisture.....: 5.6 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	18	ug/kg	6.1
Acenaphthylene	ND	18	ug/kg	7.1
Anthracene	10	3.5	ug/kg	1.7
Benzo(a)anthracene	57	3.5	ug/kg	1.2
Benzo(a)pyrene	36	3.5	ug/kg	2.0
Benzo(b)fluoranthene	58	3.5	ug/kg	1.2
Benzo(ghi)perylene	33	3.5	ug/kg	1.4
Benzo(k)fluoranthene	26	3.5	ug/kg	1.1
Chrysene	71	3.5	ug/kg	1.2
Dibenz(a,h)anthracene	ND	3.5	ug/kg	1.1
Fluoranthene	100 PG	3.5	ug/kg	1.4
Fluorene	ND	3.5	ug/kg	1.2
Indeno(1,2,3-cd)pyrene	27	3.5	ug/kg	1.2
Naphthalene	ND	18	ug/kg	10
Phenanthrene	47	3.5	ug/kg	1.1
Pyrene	120	3.5	ug/kg	0.91

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	83	(10 - 158)
Terphenyl-d14	109	(10 - 162)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-16

General Chemistry

Lot-Sample #...: A4H230110-008 Work Order #...: GNN3P Matrix.....: SO
Date Sampled...: 08/19/04 15:00 Date Received..: 08/21/04
% Moisture.....: 5.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	94.4	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-17

HPLC

Lot-Sample #...: A4H230110-009 Work Order #...: GNN3Q1AC Matrix.....: SO
Date Sampled...: 08/19/04 15:05 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/01/04
Prep Batch #...: 4236388
Dilution Factor: 50
% Moisture.....: 9.2 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	940	ug/kg	320
Acenaphthylene	5000	940	ug/kg	370
Anthracene	750 PG	180	ug/kg	88
Benzo(a)anthracene	5000	180	ug/kg	61
Benzo(a)pyrene	6800	180	ug/kg	100
Benzo(b)fluoranthene	9300	180	ug/kg	61
Benzo(ghi)perylene	6100 PG	180	ug/kg	72
Benzo(k)fluoranthene	5000	180	ug/kg	55
Chrysene	7600	180	ug/kg	61
Dibenz(a,h)anthracene	6000	180	ug/kg	55
Fluoranthene	11000 PG	180	ug/kg	72
Fluorene	ND	180	ug/kg	61
Indeno(1,2,3-cd)pyrene	7600	180	ug/kg	61
Naphthalene	ND	940	ug/kg	530
Phenanthrene	3000	180	ug/kg	55
Pyrene	12000	180	ug/kg	47

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	2970 DIL,*	(10 - 158)
Terphenyl-d14	984 DIL,*	(10 - 162)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-17

General Chemistry

Lot-Sample #...: A4H230110-009 Work Order #...: GNN3Q Matrix.....: SO
Date Sampled...: 08/19/04 15:05 Date Received..: 08/21/04
% Moisture.....: 9.2

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	90.8	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-18

HPLC

Lot-Sample #...: A4H230110-010 Work Order #...: GNN3R1AC Matrix.....: SO
Date Sampled...: 08/19/04 15:30 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/01/04
Prep Batch #...: 4236388
Dilution Factor: 50
% Moisture.....: 14 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	980	ug/kg	340
Acenaphthylene	1700	980	ug/kg	390
Anthracene	380 PG	190	ug/kg	93
Benzo(a)anthracene	2200	190	ug/kg	64
Benzo(a)pyrene	3700	190	ug/kg	110
Benzo(b)fluoranthene	5000	190	ug/kg	64
Benzo(ghi)perylene	3200 PG	190	ug/kg	75
Benzo(k)fluoranthene	2400	190	ug/kg	58
Chrysene	3700	190	ug/kg	64
Dibenz(a,h)anthracene	6000	190	ug/kg	58
Fluoranthene	5800 PG	190	ug/kg	75
Fluorene	ND	190	ug/kg	64
Indeno(1,2,3-cd)pyrene	3900 PG	190	ug/kg	64
aphthalene	ND	980	ug/kg	560
Phenanthrene	1500	190	ug/kg	58
Pyrene	5900	190	ug/kg	50

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	1380 DIL,*	(10 - 158)
Terphenyl-d14	479 DIL,*	(10 - 162)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-18

General Chemistry

Lot-Sample #...: A4H230110-010 Work Order #...: GNN3R Matrix.....: SO
Date Sampled...: 08/19/04 15:30 Date Received..: 08/21/04
% Moisture.....: 14

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	86.4	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-19

HPLC

Lot-Sample #...: A4H230110-011 Work Order #...: GNN3T1AC Matrix.....: SO
Date Sampled...: 08/19/04 15:10 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/01/04
Prep Batch #...: 4236388
Dilution Factor: 20
% Moisture.....: 8.4 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	370	ug/kg	130
Acenaphthylene	180 J	370	ug/kg	150
Anthracene	64 J	72	ug/kg	35
Benzo(a)anthracene	330	72	ug/kg	24
Benzo(a)pyrene	450	72	ug/kg	41
Benzo(b)fluoranthene	560	72	ug/kg	24
Benzo(ghi)perylene	390	72	ug/kg	28
Benzo(k)fluoranthene	350	72	ug/kg	22
Chrysene	450	72	ug/kg	24
Dibenz(a,h)anthracene	760 PG	72	ug/kg	22
Fluoranthene	760 PG	72	ug/kg	28
Fluorene	ND	72	ug/kg	24
~udeno(1,2,3-cd)pyrene	500	72	ug/kg	24
ıphthalene	ND	370	ug/kg	210
Phenanthrene	260	72	ug/kg	22
Pyrene	890	72	ug/kg	19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	258 DIL,*	(10 - 158)
Terphenyl-d14	170 DIL,*	(10 - 162)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-19

General Chemistry

Lot-Sample #...: A4H230110-011 Work Order #...: GNN3T Matrix.....: SO
Date Sampled...: 08/19/04 15:10 Date Received..: 08/21/04
% Moisture.....: 8.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	91.6	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO-SS-19D

HPLC

Lot-Sample #...: A4H230110-012 Work Order #...: GNN3V1AC Matrix.....: SO
Date Sampled...: 08/19/04 15:15 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/01/04
Prep Batch #...: 4236388
Dilution Factor: 20
% Moisture.....: 9.6 Method.....: SW846 8310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	380	ug/kg	130
Acenaphthylene	260 J	380	ug/kg	150
Anthracene	ND	73	ug/kg	35
Benzo(a)anthracene	270	73	ug/kg	24
Benzo(a)pyrene	340	73	ug/kg	42
Benzo(b)fluoranthene	420	73	ug/kg	24
Benzo(ghi)perylene	280 PG	73	ug/kg	29
Benzo(k)fluoranthene	190	73	ug/kg	22
Chrysene	350	73	ug/kg	24
Dibenz(a,h)anthracene	460 PG	73	ug/kg	22
Fluoranthene	560 PG	73	ug/kg	29
Fluorene	ND	73	ug/kg	24
~ndeno(1,2,3-cd)pyrene	380	73	ug/kg	24
ıphthalene	ND	380	ug/kg	210
Phenanthrene	210	73	ug/kg	22
Pyrene	730	73	ug/kg	19

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	206 DIL,*	(10 - 158)
Terphenyl-d14	139 DIL	(10 - 162)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

NISOURCE INC.

Client Sample ID: TCO-SS-19D

General Chemistry

Lot-Sample #...: A4H230110-012 Work Order #...: GNN3V Matrix.....: SO
Date Sampled...: 08/19/04 15:15 Date Received..: 08/21/04
% Moisture.....: 9.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	90.4	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: GATH-CHIP-1

GC Semivolatiles

Lot-Sample #...: A4H230110-013 Work Order #...: GNN3X1AA Matrix.....: SO
Date Sampled...: 08/19/04 15:40 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236387
Dilution Factor: 1
% Moisture.....: 3.6 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	34	ug/kg	6.9
Aroclor 1221	ND	34	ug/kg	10
Aroclor 1232	ND	34	ug/kg	5.4
Aroclor 1242	ND	34	ug/kg	10
Aroclor 1248	ND	34	ug/kg	5.0
Aroclor 1254	ND	34	ug/kg	4.5
Aroclor 1260	ND	34	ug/kg	8.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(31 - 127)
Decachlorobiphenyl	102	(23 - 141)

OTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-CHIP-1

General Chemistry

Lot-Sample #...: A4H230110-013 Work Order #...: GNN3X Matrix.....: SO
Date Sampled...: 08/19/04 15:40 Date Received..: 08/21/04
% Moisture.....: 3.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	96.4	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: GATH-CHIP-1D

GC Semivolatiles

Lot-Sample #...: A4H230110-014 Work Order #...: GNN301AA Matrix.....: SO
Date Sampled...: 08/19/04 15:45 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236387
Dilution Factor: 1
% Moisture.....: 2.8 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	34	ug/kg	6.9
Aroclor 1221	ND	34	ug/kg	10
Aroclor 1232	ND	34	ug/kg	5.3
Aroclor 1242	ND	34	ug/kg	10
Aroclor 1248	ND	34	ug/kg	4.9
Aroclor 1254	ND	34	ug/kg	4.4
Aroclor 1260	ND	34	ug/kg	8.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(31 - 127)
Decachlorobiphenyl	89	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-CHIP-1D

General Chemistry

Lot-Sample #...: A4H230110-014 Work Order #...: GNN30 Matrix.....: SO
Date Sampled...: 08/19/04 15:45 Date Received..: 08/21/04
% Moisture.....: 2.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	97.2	10.0	%	MCANW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TCO CHIP-2

GC Semivolatiles

Lot-Sample #...: A4H230110-015 Work Order #...: GNN311AA Matrix.....: SO
Date Sampled...: 08/19/04 16:00 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236387
Dilution Factor: 1
% Moisture.....: 3.1 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	34	ug/kg	6.9
Aroclor 1221	ND	34	ug/kg	10
Aroclor 1232	ND	34	ug/kg	5.4
Aroclor 1242	ND	34	ug/kg	10
Aroclor 1248	ND	34	ug/kg	5.0
Aroclor 1254	ND	34	ug/kg	4.4
Aroclor 1260	ND	34	ug/kg	8.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(31 - 127)
Decachlorobiphenyl	96	(23 - 141)

OTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: TCO CHIP-2

General Chemistry

Lot-Sample #...: A4H230110-015 Work Order #...: GNN31 Matrix.....: SO
Date Sampled...: 08/19/04 16:00 Date Received..: 08/21/04
% Moisture.....: 3.1

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	96.9	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: GATH-SS-20

GC Semivolatiles

Lot-Sample #...: A4H230110-016 Work Order #...: GNN341AA Matrix.....: SO
Date Sampled...: 08/20/04 07:05 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236387
Dilution Factor: 5
% Moisture.....: 6.0 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	180	ug/kg	36
Aroclor 1221	ND	180	ug/kg	53
Aroclor 1232	ND	180	ug/kg	28
Aroclor 1242	ND	180	ug/kg	53
Aroclor 1248	ND	180	ug/kg	26
Aroclor 1254	ND	180	ug/kg	23
Aroclor 1260	**490**	**180**	**ug/kg**	**43**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	57 DIL	(31 - 127)
Decachlorobiphenyl	73 DIL	(23 - 141)

OTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-SS-20

General Chemistry

Lot-Sample #...: A4H230110-016 Work Order #...: GNN34 Matrix.....: SO
Date Sampled...: 08/20/04 07:05 Date Received..: 08/21/04
% Moisture.....: 6.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	94.0	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: GATH-SS-21

GC Semivolatiles

Lot-Sample #...: A4H230110-017 Work Order #...: GNN4E1AA Matrix.....: SO
Date Sampled...: 08/20/04 07:00 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236387
Dilution Factor: 1
% Moisture.....: 7.8 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	36	ug/kg	7.3
Aroclor 1221	ND	36	ug/kg	11
Aroclor 1232	ND	36	ug/kg	5.6
Aroclor 1242	ND	36	ug/kg	11
Aroclor 1248	ND	36	ug/kg	5.2
Aroclor 1254	ND	36	ug/kg	4.7
Aroclor 1260	**200**	**36**	**ug/kg**	**8.7**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(31 - 127)
Decachlorobiphenyl	100	(23 - 141)

OTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-SS-21

General Chemistry

Lot-Sample #...: A4H230110-017 **Work Order #...:** GNN4E **Matrix.....:** SO
Date Sampled...: 08/20/04 07:00 **Date Received..:** 08/21/04
% Moisture.....: 7.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	**92.2**	**10.0**	**%**	**MCAWW 160.3 MOD**	**08/23-08/24/04**	**4236378**

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: GATH-SS-22

GC Semivolatiles

Lot-Sample #...: A4H230110-018 Work Order #...: GNN4F1AA Matrix.....: SO
Date Sampled...: 08/20/04 07:10 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236387
Dilution Factor: 1
% Moisture.....: 4.3 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	34	ug/kg	7.0
Aroclor 1221	ND	34	ug/kg	10
Aroclor 1232	ND	34	ug/kg	5.4
Aroclor 1242	ND	34	ug/kg	10
Aroclor 1248	ND	34	ug/kg	5.0
Aroclor 1254	**140**	**34**	**ug/kg**	**4.5**
Aroclor 1260	ND	34	ug/kg	8.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(31 - 127)
Decachlorobiphenyl	116	(23 - 141)

OTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-SS-22

General Chemistry

Lot-Sample #...: A4H230110-018 Work Order #...: GNN4F Matrix.....: SO
Date Sampled...: 08/20/04 07:10 Date Received..: 08/21/04
% Moisture.....: 4.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	95.7	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: GATH-SS-23

GC Semivolatiles

Lot-Sample #...: A4H230110-019 Work Order #...: GNN4G1AA Matrix.....: SO
Date Sampled...: 08/20/04 07:15 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236387
Dilution Factor: 1
% Moisture.....: 4.7 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	7.0
Aroclor 1221	ND	35	ug/kg	10
Aroclor 1232	ND	35	ug/kg	5.5
Aroclor 1242	ND	35	ug/kg	10
Aroclor 1248	ND	35	ug/kg	5.0
Aroclor 1254	ND	35	ug/kg	4.5
Aroclor 1260	76	35	ug/kg	8.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	103	(31 - 127)
Decachlorobiphenyl	117	(23 - 141)

OTE(S):
Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-SS-23

General Chemistry

Lot-Sample #...: A4H230110-019 Work Order #...: GNN4G Matrix.....: SO
Date Sampled...: 08/20/04 07:15 Date Received..: 08/21/04
% Moisture.....: 4.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	95.3	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: GATH-SS-24

GC Semivolatiles

Lot-Sample #...: A4H230110-020 Work Order #...: GNN4H1AA Matrix.....: SO
Date Sampled...: 08/20/04 07:08 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236387
Dilution Factor: 1
% Moisture.....: 7.2 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	36	ug/kg	7.2
Aroclor 1221	ND	36	ug/kg	11
Aroclor 1232	ND	36	ug/kg	5.6
Aroclor 1242	ND	36	ug/kg	11
Aroclor 1248	ND	36	ug/kg	5.2
Aroclor 1254	ND	36	ug/kg	4.6
Aroclor 1260	270	36	ug/kg	8.6

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(31 - 127)
Decachlorobiphenyl	97	(23 - 141)

OTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-SS-24

General Chemistry

Lot-Sample #...: A4H230110-020 Work Order #...: GNN4H Matrix.....: SO
Date Sampled...: 08/20/04 07:08 Date Received..: 08/21/04
% Moisture.....: 7.2

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	92.8	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: GATH-SS-25

GC Semivolatiles

Lot-Sample #...: A4H230110-021 Work Order #...: GNN4J1AA Matrix.....: SO
Date Sampled...: 08/20/04 07:17 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/01/04
Prep Batch #...: 4236387
Dilution Factor: 2
% Moisture.....: 7.4 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	71	ug/kg	14
Aroclor 1221	ND	71	ug/kg	21
Aroclor 1232	ND	71	ug/kg	11
Aroclor 1242	ND	71	ug/kg	22
Aroclor 1248	ND	71	ug/kg	10
Aroclor 1254	380	71	ug/kg	9.3
Aroclor 1260	ND	71	ug/kg	17

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	106	(31 - 127)
Decachlorobiphenyl	98	(23 - 141)

NOTE(S):
Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-SS-25

General Chemistry

Lot-Sample #...: A4H230110-021 Work Order #...: GNN4J Matrix.....: SO
Date Sampled...: 08/20/04 07:17 Date Received..: 08/21/04
% Moisture.....: 7.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	92.6	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236379
		Dilution Factor: 1		MDL.....: 10.0		

NISOURCE INC.

Client Sample ID: GATH-SS-26

GC Semivolatiles

Lot-Sample #...: A4H230110-022 Work Order #...: GNN4K1AA Matrix.....: SO
Date Sampled...: 08/20/04 07:30 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 09/01/04
Prep Batch #...: 4236387
Dilution Factor: 2
% Moisture.....: 6.6 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	71	ug/kg	14
Aroclor 1221	ND	71	ug/kg	21
Aroclor 1232	ND	71	ug/kg	11
Aroclor 1242	ND	71	ug/kg	21
Aroclor 1248	ND	71	ug/kg	10
Aroclor 1254	**270**	**71**	**ug/kg**	**9.2**
Aroclor 1260	ND	71	ug/kg	17

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	123	(31 - 127)
Decachlorobiphenyl	120	(23 - 141)

OTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-SS-26

General Chemistry

Lot-Sample #...: A4H230110-022 Work Order #...: GNN4K Matrix.....: SO
Date Sampled...: 08/20/04 07:30 Date Received..: 08/21/04
% Moisture.....: 6.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	93.5	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236379

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: GATH-SS-26D

GC Semivolatiles

Lot-Sample #...: A4H230110-023 Work Order #...: GNN4L1AA Matrix.....: SO
Date Sampled...: 08/20/04 07:35 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236387
Dilution Factor: 1
% Moisture.....: 5.9 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	7.1
Aroclor 1221	ND	35	ug/kg	11
Aroclor 1232	ND	35	ug/kg	5.5
Aroclor 1242	ND	35	ug/kg	11
Aroclor 1248	ND	35	ug/kg	5.1
Aroclor 1254	190	35	ug/kg	4.6
Aroclor 1260	ND	35	ug/kg	8.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	105	(31 - 127)
Decachlorobiphenyl	126	(23 - 141)

OTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-SS-26D

General Chemistry

Lot-Sample #...: A4H230110-023 Work Order #...: GNN4L Matrix.....: SO
Date Sampled...: 08/20/04 07:35 Date Received..: 08/21/04
% Moisture.....: 5.9

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	94.1	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236379

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: GATH-SS-27

GC Semivolatiles

Lot-Sample #...: A4H230110-024 Work Order #...: GNN4M1AA Matrix.....: SO
Date Sampled...: 08/20/04 07:25 Date Received..: 08/21/04
Prep Date.....: 08/23/04 Analysis Date..: 08/30/04
Prep Batch #...: 4236387
Dilution Factor: 50
% Moisture.....: 5.6 Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	1700	ug/kg	360
Aroclor 1221	ND	1700	ug/kg	520
Aroclor 1232	ND	1700	ug/kg	280
Aroclor 1242	ND	1700	ug/kg	530
Aroclor 1248	ND	1700	ug/kg	250
Aroclor 1254	**11000**	**1700**	**ug/kg**	**230**
Aroclor 1260	ND	1700	ug/kg	420

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	101 DIL	(31 - 127)
Decachlorobiphenyl	165 DIL,*	(23 - 141)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: GATH-SS-27

General Chemistry

Lot-Sample #...: A4H230110-024 Work Order #...: GNN4M Matrix.....: SO
Date Sampled...: 08/20/04 07:25 Date Received..: 08/21/04
% Moisture.....: 5.6

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	94.4	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236379

Dilution Factor: 1 MDL.....: 10.0

NISOURCE INC.

Client Sample ID: TRASH-SED-2A

TOTAL Metals

Lot-Sample #...: A4H230110-025 Matrix.....: SO
Date Sampled...: 08/20/04 08:10 Date Received..: 08/21/04
% Moisture.....: 60

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4244066						
Mercury	0.41	0.082	mg/kg	SW846 7471A	08/31/04	GNN4N1AA
		Dilution Factor: 1		MDL.....: 0.029		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: TRASH-SED-2A

General Chemistry

Lot-Sample #...: A4H230110-025 Work Order #...: GNN4N Matrix.....: SO
Date Sampled...: 08/20/04 08:10 Date Received..: 08/21/04
% Moisture.....: 60

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	40.2	1.0	%	MCAWW 160.3 MOD	08/26-08/27/04	4240442
		Dilution Factor: 1		MDL.....:		

NISOURCE INC.

Client Sample ID: TRASH-SED-2A-D

TOTAL Metals

Lot-Sample #...: A4H230110-026 Matrix.....: SO
Date Sampled...: 08/20/04 08:15 Date Received..: 08/21/04
% Moisture.....: 70

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4244066						
Mercury	0.58	0.11	mg/kg	SW846 7471A	08/31/04	GNN511AA
		Dilution Factor: 1		MDL.....: 0.040		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: TRASH-SED-2A-D

General Chemistry

Lot-Sample #...: A4H230110-026 Work Order #...: GNN51 Matrix.....: SO
Date Sampled...: 08/20/04 08:15 Date Received..: 08/21/04
% Moisture.....: 70

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	29.8	1.0	%	MCAWW 160.3 MOD	08/26-08/27/04	4240442

Dilution Factor: 1 MDL.....:

NISOURCE INC.

Client Sample ID: AERATION-SED-2B

TOTAL Metals

Lot-Sample #...: A4H230110-027 Matrix.....: SO
Date Sampled...: 08/20/04 08:20 Date Received..: 08/21/04
% Moisture.....: 16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4244066						
Mercury	ND	0.039	mg/kg	SW846 7471A	08/31/04	GNN531AA
		Dilution Factor: 1		MDL.....: 0.014		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NISOURCE INC.

Client Sample ID: AERATION-SED-2B

General Chemistry

Lot-Sample #...: A4H230110-027 Work Order #...: GNN53 Matrix.....: SO
Date Sampled...: 08/20/04 08:20 Date Received..: 08/21/04
% Moisture.....: 16

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	83.8	1.0	%	MCAWW 160.3 MOD	08/26-08/27/04	4240442

Dilution Factor: 1 MDL.....:

SEVERN TRENT STL

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A4H230110
MB Lot-Sample #: A4H230000-387

Work Order #...: GNP3M1AA

Matrix.....: SOLID

Prep Date.....: 08/23/04
Prep Batch #...: 4236387

Analysis Date..: 08/24/04
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(31 - 127)
Decachlorobiphenyl	66	(23 - 141)

TE(S):

ulations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: A4H230110 Work Order #...: GNP1N1AA Matrix.....: SOLID
MB Lot-Sample #: A4H230000-388

Prep Date.....: 08/23/04
Analysis Date..: 09/01/04 Prep Batch #...: 4236388
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	17	ug/kg	SW846 8310
Acenaphthylene	ND	17	ug/kg	SW846 8310
Anthracene	ND	3.3	ug/kg	SW846 8310
Benzo(a)anthracene	ND	3.3	ug/kg	SW846 8310
Benzo(a)pyrene	ND	3.3	ug/kg	SW846 8310
Benzo(b)fluoranthene	ND	3.3	ug/kg	SW846 8310
Benzo(ghi)perylene	ND	3.3	ug/kg	SW846 8310
Benzo(k)fluoranthene	ND	3.3	ug/kg	SW846 8310
Chrysene	ND	3.3	ug/kg	SW846 8310
Dibenz(a,h)anthracene	ND	3.3	ug/kg	SW846 8310
Fluoranthene	ND	3.3	ug/kg	SW846 8310
Fluorene	ND	3.3	ug/kg	SW846 8310
Indeno(1,2,3-cd)pyrene	ND	3.3	ug/kg	SW846 8310
Naphthalene	ND	17	ug/kg	SW846 8310
Phenanthrene	ND	3.3	ug/kg	SW846 8310
Pyrene	ND	3.3	ug/kg	SW846 8310

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	54	(10 - 158)
Terphenyl-d14	86	(10 - 162)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A4H230110 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C4H310000-066 **Prep Batch #...:** 4244066						
Mercury	ND	0.033	mg/kg	SW846 7471A	08/31/04	GN80M1AA
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A4H230110 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids		Work Order #:	GNPT31AA	MB Lot-Sample #:	A4H230000-378	
	ND	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236378
		Dilution Factor: 1				
Percent Solids		Work Order #:	GNPVA1AA	MB Lot-Sample #:	A4H230000-379	
	ND	10.0	%	MCAWW 160.3 MOD	08/23-08/24/04	4236379
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A4H230110 Work Order #...: GNP3M1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: A4H230000-387 GNP3M1AD-LCSD
Prep Date.....: 08/23/04 Analysis Date..: 08/24/04
Prep Batch #...: 4236387
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	72	(49 - 122)			SW846 8082
	67	(49 - 122)	7.9	(0-39)	SW846 8082
Aroclor 1260	62	(51 - 127)			SW846 8082
	54	(51 - 127)	15	(0-33)	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(31 - 127)
	61	(31 - 127)
Decachlorobiphenyl	64	(23 - 141)
	59	(23 - 141)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

ld print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A4H230110 Work Order #...: GNP1N1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: A4H230000-388 GNP1N1AD-LCSD
Prep Date.....: 08/23/04 Analysis Date..: 09/01/04
Prep Batch #...: 4236388
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzo(a)pyrene	70	(41 - 110)			SW846 8310
	72	(41 - 110)	2.7	(0-60)	SW846 8310
Chrysene	79	(61 - 110)			SW846 8310
	77	(61 - 110)	1.9	(0-28)	SW846 8310
Fluoranthene	81	(62 - 110)			SW846 8310
	80	(62 - 110)	1.7	(0-28)	SW846 8310
Indeno(1,2,3-cd)pyrene	79	(57 - 110)			SW846 8310
	80	(57 - 110)	1.0	(0-35)	SW846 8310
Naphthalene	104	(63 - 116)			SW846 8310
	89	(63 - 116)	15	(0-48)	SW846 8310
Phenanthrene	81	(63 - 107)			SW846 8310
	80	(63 - 107)	0.87	(0-31)	SW846 8310

URROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Benzo(e)pyrene	51	(10 - 158)
	51	(10 - 158)
Terphenyl-d14	82	(10 - 162)
	81	(10 - 162)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A4H230110 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C4H310000-066 Prep Batch #...: 4244066					
Mercury	101	(80 - 120)	SW846 7471A	08/31/04	GN80M1AC
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A4H230110 Matrix.....: SOLID
Date Sampled...: 08/17/04 Date Received..: 08/25/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C4H250166-002 Prep Batch #...: 4244066						% Moisture.....: 3.6	
Mercury	103	(75 - 125)			SW846 7471A	08/31/04	GNV0D1AR
	114	(75 - 125)	8.8	(0-20)	SW846 7471A	08/31/04	GNV0D1AT

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Results and reporting limits have been adjusted for dry weight.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4H230110 **Work Order #...:** GNN30-SMP GNN30-DUP **Matrix.....:** SO

Date Sampled...: 08/19/04 15:45 **Date Received..:** 08/21/04

% Moisture.....: 2.8

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #:	A4H230110-014	
	97.2	97.3	%	0.017	(0-20)	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4H230110 **Work Order #...:** GNN4H-SMP GNN4H-DUP **Matrix.....:** SO

Date Sampled...: 08/20/04 07:08 **Date Received..:** 08/21/04

% Moisture.....: 7.2

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A4H230110-020		
	92.8	92.9	%	0.13	(0-20)	MCAWW 160.3 MOD	08/23-08/24/04	4236378

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4H230110 Work Order #...: GNL5V-SMP Matrix.....: SOLID
GNL5V-DUP

Date Sampled...: 07/30/04 12:30 Date Received..: 08/04/04

% Moisture.....: 9.8

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
						SD Lot-Sample #:	A4H200371-001	
Percent Solids	90.2	90.2	%	0.005	(0-20)	MCAWW 160.3 MOD	08/23-08/24/04	4236379

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4H230110 Work Order #...: GNN4J-SMP Matrix.....: SO
GNN4J-DUP

Date Sampled...: 08/20/04 07:17 Date Received..: 08/21/04

% Moisture.....: 7.4

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A4H230110-021		
	92.6	92.0	%	0.70	(0-20)	MCAWW 160.3 MOD	08/23-08/24/04	4236379

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A4H230110 Work Order #...: GNN53-SMP Matrix.....: SO
GNN53-DUP

Date Sampled...: 08/20/04 08:20 Date Received..: 08/21/04

% Moisture.....: 16

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
						SD Lot-Sample #:	A4H230110-027	
Percent Solids								
	83.8	83.3	%	0.56	(0-20)	MCAWW 160.3 MOD	08/26-08/27/04	4240442

Dilution Factor: 1

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

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Client	Project Manager	Date	Chain of Custody Number
Columbia Gas of Ohio (NISOURCE)	Steven Gerritsen	8-19-04	169766
Address	Telephone Number (Area Code)/Fax Number: 412-221-1100	Lab Number	Page 1 of
City / State / Zip Code	Site Contact: Janet Carter Stoneroak	Lab Contact	
Project Name and Location (State): ATHENS Service Ctr, OHio	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

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 (Attach list if more space is needed): PAH, 8310 VAP mod.	Special Instructions/ Conditions of Receipt
GATH-SS-9	8-19-04	1430				X	X						X	
TCO-SS-10	8-19-04	1440				X	X						X	
TCO-SS-11	8-19-04	1435				X	X						X	
TCO-SS-12	8-19-04	1445				X	X						X	
TCO-SS-13	8-19-04	1450				X	X						X	
TCO-SS-14	8-19-04	1457				X	X						X	
TCO-SS-15	8-19-04	1455				X	X						X	
TCO-SS-16	8-19-04	1500				X	X						X	
TCO-SS-17	8-19-04	1505				X	X						X	
TCO-SS-18	8-19-04	1530				X	X						X	
TCO-SS-19	8-19-04	1510				X	X						X	
TCO-SS-19D	8-19-04	1515				X	X						X	

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		Date	Time
1. Relinquished By: Renee Miller	8 20 04	1115	1. Received By: Terry Burns	8/21/04	9:30
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

STL North Canton

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Columbia Gas of Ohio (NISOURCE)	Steven Gerritsen	8-19-04	169765
Address	Telephone Number (Area Code)/Fax Number: 412-221-1100	Lab Number	Page 2 of

City	State	Zip Code	Site Contact	Lab Contact

Project Name and Location (State): Athens Service Ctr, Ohio

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.:

Analysis (Attach list if more space is needed): RBs

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	OTH	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	RBs
GATH-CHIP-1	8-19-04	1540					X	X						X
GATH-CHIP-10	8-19-04	1545					X	X						X
TCO CHIP-2	8-19-04	1600					X	X						X
GATH-SS 20 BM	8-20-04	705				X		X						X
GATH-SS-21 BM	8-20-04	700				X		X						X
GATH-SS-22 BM	8-20-04	710				X		X						X
GATH-SS-23 BM	8-20-04	715				X		X						X
GATH-SS-24 BM	8-20-04	708				X		X						X
GATH-SS-25 BM	8-20-04	717				X		X						X
GATH-SS-26 BM	8-20-04	730				X		X						X
GATH-SS-260 BM	8-20-04	735				X		X						X
GATH-SS-27	8-20-04	725				X		X						X

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		Date	Time
1. Relinquished By: Bruce Miller	8 20 04	1115	1. Received By: Terry Burns	8/21/04	9:30
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

STL North Canton

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STL Cooler Receipt Form/Narrative **Lot Number:** A4H230110

North Canton Facility

Client: Columbia Gas (N. Source) Project: Athens Svc Ctr Quote#: _____

Cooler Received on: 8/21/04 Opened on: 8/21/04 by: Terry Bu (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ Other: _____

STL Cooler No# No # Foam Box ☐ Client Cooler ☐ Other ____

1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
   If YES, Quantity _____
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒
2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☐
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☐ Foam ☐ None ☐ Other: air bags
6. Cooler temperature upon receipt 2.8 °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_2O Slurry ☐

COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☐ No ☒
9. Were samples at the correct pH? (record below/on back) Yes ☐ No ☐ NA ☒
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐

Contacted PM FJC Date: 8-23-04 by: JAF via Voice Mail ☐ Verbal ☒ Other ☐

Concerning: #1

√

1. CHAIN OF CUSTODY

The following discrepancies occurred: 8-2004 8:10 8-2004 8:15
Rec'd TRASH-SED-2A (1x60) for Hg TRASH-SED-2A-D
(1x60) for Hg, + Aeration-SED-2B (1x60) for Hg not
on COC. TB 8/21/04. OK to log for mercury per FJC. JAF 8-23-0

2. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #052804-HNO3; Sulfuric Acid Lot # 011-504-H2SO4; Sodium Hydroxide Lot # -031804-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 071604-CH3COO2ZN/NaOH*

Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

SEVERN TRENT STL

END OF REPORT