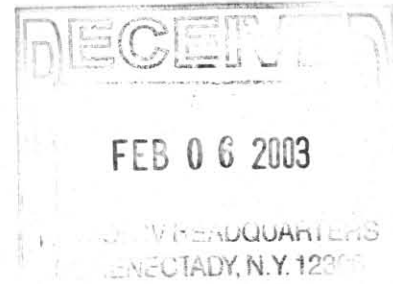


ROUX ASSOCIATES INC



1377 MOTOR PARKWAY
ISLANDIA, NEW YORK 11749 TEL: 631-232-2600 FAX: 631-232-9898



February 4, 2003

Mr. Rudolph Trinks
Ecology and Safety Department
BASF Corporation
3000 Continental Drive North
Mount Olive, New Jersey 07828-1234

Re: Closed Landfill Test Trench Investigation
BASF Corporation, Rensselaer Facility
Voluntary Cleanup Program – Site Code 442004

Dear Mr. Trinks:

Roux Associates, Inc. (Roux Associates), on behalf of BASF Corporation (BASF), has performed a Test Trench Investigation in the Closed Landfill (Site) at the BASF facility in Rensselaer, New York. The Test Trench Investigation field program was performed from December 9, 2002 to December 17, 2002 in accordance with the May 29, 2002 "Site Investigation Work Plan, Closed Landfill," and the November 26, 2002 letter to the New York State Department of Environmental Conservation (NYSDEC) summarizing the trench scope of work. The scope of work was agreed to by BASF during a November 22, 2002 conference call between Roux Associates, BASF, and the NYSDEC. This letter summarizes the Test Trench Investigation. The Test Trench Investigation was designed to supplement previous soil and groundwater investigations at the Site as summarized in the September 5, 2002 Site Investigation Report.

Test Trench Scope of Work

Eight test trenches (LF-TP-1 through LF-TP-8) were excavated at the Site (attached Plate 1) by Royal Environmental, Inc. using either a Kobelco SK300LC or Kobelco SK220LC excavator. Initially, the upper 1.5 feet of material was removed from the entire length of the test trench and placed on the down-slope side of the excavation. This material is the low permeability soil cap and consisted of a brown silty to clayey sand. Each test trench was then excavated through the fill and waste material to the top of the underlying clay unit. The fill and waste material consisted of brown, black, and purple soil-like material, metal drum carcasses, plastic sheeting, drum liners, laboratory glassware including sample bottles with dye-stained material inside, ceramic debris, miscellaneous metal debris, wood, brick and concrete construction and demolition debris, and a soil matrix consisting of gravel, sand, silt, and clay. Details regarding the type of fill and waste encountered in each trench are provided in Table 1 (attached). Excavated fill and waste material was placed on plastic sheeting on the up-slope side of the

excavation. Runoff water was diverted from the plastic sheeting back into the test trench. When complete, test trench dimensions were approximately three feet wide, eight feet deep, which included 6.5 feet of fill and waste, and 100 feet long. Test trench LF-TP-5 was only 55 feet long to avoid the groundwater containment trench completed along the southern border of the Closed Landfill. Test Trench LF-TP-1 was extended to 130 feet in length to inspect additional visually impacted material. Photographs of the trenches and the wastes encountered and the field notebook descriptions are attached.

Groundwater was encountered at depths ranging from 4.5 feet below land surface to 6.5 feet below land surface in each trench, with the exception of Test Trench LF-TP-6, which remained relatively dry. During excavation, portions of the trenches remained dry until a pocket of possibly perched water was breached with the excavator bucket. Once this occurred, the bottom of the trench filled with water. This occurred in Test Trench LF-TP-3 as noted on Page 8 of the attached field notebook logs. The excavator operator attempted to allow most water to drain from each excavated bucket prior to placement on the plastic sheeting to minimize the amount of runoff. An underlying clay unit was either visually identified at the bottom of the test trench or in the excavator bucket at all locations.

One grab sample of waste material was collected from each test trench with the exception of LF-TP-3 where two grab samples were collected (LF-TP-3 and LF-TP-3A). In addition, a field duplicate sample was collected from LF-TP-6. The approximate locations of the test trench grab samples are shown on Plate 1 (attached). Grab samples were collected from material that was the most visually impacted, and was of a consistency that enabled it to be placed in sample jars for analyses. All grab sample locations were selected with the approval of the NYSDEC field inspector. Grab samples were collected from fill and waste material approximately four feet below land surface directly from the excavator bucket. A portion of each grab sample was placed into pre-cleaned laboratory containers for delivery to Severn Trent Laboratories of Shelton, Connecticut. The remaining grab sample was visually characterized according to the Unified Soils Classification System (USCS) and placed into a zip-lock plastic storage bag for headspace analysis. The bag was placed inside a warm vehicle for approximately 15 to 30 minutes to allow time for any gases to accumulate in the bag headspace. Following the waiting time, the bag headspace was monitored for organic vapors with a PID. The PID screening data are summarized in Table 1 (attached).

All samples were analyzed for the Target Compound List (TCL) of volatile organic compounds (VOCs) plus tentatively identified compounds (TICs), the TCL of semivolatile organic compounds (SVOCs) plus TICs, the Target Analyte List of metals, the TCL polychlorinated biphenyls (PCBs) and VOCs, SVOCs and metals using the Toxicity Characteristic Leaching Procedure (TCLP). Analytical results for the grab samples are summarized on Table 2 through Table 8 (attached). Laboratory data sheets are also attached.

Test Trench investigation activities were documented and photographed by a Roux Associates' geologist. Complete field notes and selected photographs collected during the Test Trench Investigation are attached. In addition, the NYSDEC observed each test trench and provided direction for grab sample locations and additional trench length or depth.

Following sample collection and photo-documentation fill material was placed back into the excavation and covered with the segregated low permeability soil cap material.

Summary of Results

For reference, fill and waste material samples were compared to NYSDEC Recommended Soil Cleanup Objectives (RSCOs) or Hazardous Waste Regulatory Levels (HWRLs). The field duplicate sample is not included in the summary of results presented below.

The following VOCs were detected above RSCOs in the Closed Landfill fill grab samples. There were no VOCs detected using the TCLP exceeding the HWRLs.

Analyte	NYSDEC RSCOs ($\mu\text{g}/\text{kg}$)	Range in Detections ($\mu\text{g}/\text{kg}$)	Number of Samples with Detections above RSCOs / Total Samples	Sample with the Maximum Concentration
Acetone	200	33 - 1,700	1/9	LF-TP-4
Benzene	60	19 - 6,600	3/9	LF-TP-7
2-Butanone	300	10 J - 1,000	1/9	LF-TP-7
Chlorobenzene	1,700	2 J - 2,800,000	4/9	LF-TP-6
1,4-Dichlorobenzene	1,600	2 J - 38,000 J	3/9	LF-TP-6
1,2-Dichlorobenzene	8,500	1 J - 110,000	2/9	LF-TP-6
1,2-Dichloroethane	100	5 J - 540 J	2/9	LF-TP-3A
Toluene	1,500	0.6 J - 7,100	2/9	LF-TP-4
Xylenes (total)	1,200	2 J - 6,400	2/9	LF-TP-4

$\mu\text{g}/\text{kg}$ - micrograms per kilogram

J - estimated value

The following SVOCs were detected above RSCOs in the Closed Landfill grab samples. There were no SVOCs detected using the TCLP exceeding the HWRLs.

Analyte	NYSDEC RSCOs (µg/kg)	Range in Detections (µg/kg)	Number of Samples with Detections above RSCOs / Total Samples	Sample with the Maximum Concentration
Benzo[a]anthracene	224	140 J - 1,500	4/9	LF-TP-2
Benzo[a]pyrene	61	120 J - 1,700 J	5/9	LF-TP-5
Benzo[b]fluoranthene	1,100	320 JM - 24,000 J	3/9	LF-TP-6
Benzo[k]fluoranthene	1,100	87 JM - 3,000 JM	1/9	LF-TP-5
Chrysene	400	150 J - 1,200 J	4/9	LF-TP-5
Di-n-butyl phthalate	8,100	25,000	1/9	LF-TP-3A
Dibenzo[a,h]anthracene	14	470	1/9	LF-TP-2
Diethyl phthalate	7,100	11,000	1/9	LF-TP-3A
Dimethyl phthalate	2,000	12,000	1/9	LF-TP-3A
2,6-Dinitrotolune	1,000	4,600 J	1/9	LF-TP-7
Isophorone	4,400	740 J - 130,000 J	2/9	LF-TP-6
3-Nitroaniline	500	670 J - 7,000 J	2/9	LF-TP-3A
4-Nitrophenol	100	2,000 J	1/9	LF-TP-7
Phenol	30	420 J - 140,000 J	4/9	LF-TP-6

µg/kg - micrograms per kilogram
J - estimated value
H - alternate peak selection
M - manually integrated

The following metals were detected above RSCOs in the Closed Landfill grab samples. Lead was detected using TCLP in LF-TP-6 at a concentration of 253,000 micrograms per liter (µg/L), which exceeds the HWRL of 5,000 µg/L. Note, however, that the lead concentrations in the sample plus duplicate sample from Trench TP-6 were only 216 and 157 mg/kg, respectively. Conversely, lead was detected in the sample from TP-7 at a

concentration of 26,900 mg/kg. However, lead in the sample from TP-7 analyzed by TCLP did not exceed HWRLs. There were no additional metals detected exceeding the HWRLs.

Analyte	NYSDEC RSCOs (mg/kg)	Range in Detections (mg/kg)	Number of Samples with Detections above RSCOs / Total Samples	Sample with the Maximum Concentration
Aluminum	7,572	667 B - 14,400	1/9	LF-TP-5
Arsenic	7.5	19.2 B - 251	8/9	LF-TP-4
Barium	300	24.3 B - 3,510	2/9	LF-TP-3
Calcium	6,841	1,600 - 99,900	6/9	LF-TP-3
Chromium	10	11 B - 51,300	8/9	LF-TP-1
Cobalt	30	3.78 B - 34.5	2/9	LF-TP-1
Copper	58	6.7 B - 5,230	8/9	LF-TP-4
Iron	16,700	2,360 - 490,000	7/9	LF-TP-1
Lead	24.75	10.7 B - 26,900	8/9	LF-TP-7
Magnesium	3,614	159 B - 8,690	2/9	LF-TP-5
Manganese	229.4	130 - 2,580	7/9	LF-TP-1
Mercury	0.1	0.582 - 4.7 B	8/9	LF-TP-3A
Nickel	13	5.9 B - 473	7/9	LF-TP-1
Potassium	1,704	400 B - 2,990	1/9	LF-TP-5
Selenium	2	38.2 B	1/9	LF-TP-4
Sodium	929	300 B - 19,300	2/9	LF-TP-6
Vanadium	150	8.5 B - 164	1/9	LF-TP-7
Zinc	87	137 - 75,000	9/9	LF-TP-3

mg/kg - milligrams per kilogram
B - estimated value

There were no PCBs detected above RSCOs in the Closed Landfill fill material grab samples.

Discussion

A review of the results of the Closed Landfill Trench Investigation indicates that the entire landfill contains extremely heterogeneous buried waste and fill covered by a low permeability soil cap. The waste consists of varying portions of metal drum carcasses, drum liners, plastic sheeting, construction debris, laboratory glassware including sample bottles with dye-stained material inside, and varying proportions of a sand, silt or clay

matrix. Clay was encountered at the bottom of every trench. The extremely heterogeneous nature of the waste was visually observed and also exhibited by the following observations:

- The grab sample from Test Trench LF-TP-6 contained lead at 216 mg/kg; however, the TCLP analysis contained 253,000 µg/L lead.
- The grab sample from Test Trench LF-TP-7 contained 26,900 mg/kg lead; however the TCLP analysis contained only 729 µg/L lead.
- VOC and SVOC analyses from two samples from the same trench (LF-TP-3 and LF-TP-3A) exhibited very different concentrations. VOCs and SVOCs were either not detected or detected at very low concentrations in LF-TP-3, but were detected at relatively high concentrations in LF-TP-3A.
- Phthalates were detected above NYSDEC RSCOs in sample LF-TP-3A only.
- VOCs were detected in the grab sample from trench LF-TP-4 at concentrations one to two orders of magnitude lower than from adjacent soil sample LF-SB-107, which was obtained during the earlier phase of investigation using a Geoprobe.

A review of the field notebook descriptions (attached) of the waste encountered does not indicate the nature of the geophysical anomalies shown on Plate 1. For example, construction and metal debris was observed in Test Trench LF-TP-8, which did not exhibit a high anomaly. Such debris was not observed in Test Trench LF-TP-6, which was completed through an area of extreme metallic response on the geophysical survey. Moreover, iron concentrations in the waste sample from LF-TP-8 were similar to the samples from LF-TP-5, which was also in a high anomaly area, and LF-TP-6.

Observations made during installation of trenches for the proposed groundwater collection system along the southern, western and north-western borders of the landfill indicate that the landfill is contained within the boundaries at those locations shown on Plate 1.

Observations made during the remediation of AOC 1 along the north-eastern border of the landfill indicate that buried waste impacted by relatively high concentrations of VOCs extends to beneath the northern portion of the landfill. However, the analysis of the waste sample from Test Trench LF-TP-1 did not indicate VOC concentrations as high as were observed in AOC 1.

Observations made during the completion of Test Trench LF-TP-7 indicates that a significant area of buried drum carcasses extends east of the eastern border shown on Plate 1 to beneath the portion of the landfill owned by the NYSDOT. A review of groundwater quality data from the Closed Landfill Investigation indicated that groundwater impacted by VOCs is migrating west from beneath the NYSDOT portion of the landfill.

Mr. Rudolph Trinks
February 5, 2003
Page 7

If you have any questions, or require additional information, please do not hesitate to call.

Sincerely,

ROUX ASSOCIATES, INC.



Michael Roux
Senior Hydrogeologist



Nathan Epler, Ph.D.
Principal Hydrogeologist

Attachments

cc: Anthony Quartararo, Esq., NYSDEC
Mike Komoroske, NYSDEC
Walt Wintsch, NYSDEC
Eric Obrecht, NYSDEC
Dan Lightsey, NYSDEC
Lani Rafferty, New York State Department of Health
Stephen Lattanzio, Bessicorp Development, Inc.
Charles McGuckin, Remedial Engineering, P.C.
Omar Ramotar, Remedial Engineering, P.C.

ATTACHMENT 1

Summary Tables

Table 1. Summary of Test Trenches, Closed Landfill Investigation, BASF Corporation, Rensselaer, New York.

Trench ID	Rationale	Length (ft)	Groundwater Depth (ft)	Clay Depth (ft)	Waste Samples Analyzed	PID Reading (ppm)	Waste Description
LF-TP-1	Investigate southern extent of Main Plant AOC 1	145	5	8	LF-TP-1	4.6	Purple waste material, wood, large amounts of laboratory glassware, dark brown to black soil, pink and orange tinted groundwater.
LF-TP-2	Area of high geophysical anomaly	100	5	6	LF-TP-2	NR	Dark brown to black fine to medium sand, peat, perched groundwater, bricks, and cobbles.
LF-TP-3	Area of high negative geophysical anomaly	100	6	6	LF-TP-3/ LF-TP-3A	0.0 / 11.3	Dark brown to black soil, demolition debris, laboratory glassware, white powdery material (LF-TP-3A), perched groundwater, gray clay.
LF-TP-4	Section through an area grading from high to low geophysical anomaly	100	6	7.5	LF-TP-4	1.1	Black soil-like material, bricks, drum debris and other assorted debris, brown silt and clay, plastic sheeting, metal conduits, ceramic, drum lids, and drum carcass.
LF-TP-5	Area of high geophysical anomaly	100	6	6.5	LF-TP-5	3.1	Gray fine sand, wood and demolition debris (bricks, concrete blocks, and rebar), and plastic sheeting.
LF-TP-6	Area of high geophysical anomaly	55	not encountered	8-10	LF-TP-6 LF-TP-6(dup)	4.6	Gray silt and fine sand, dark brown coarse to fine sand, glass or ceramic, trace groundwater.
LF-TP-7	Area of high geophysical anomaly along border with NYSDOT portion of Closed Landfill	100	6.5	8.5	LF-TP-7	18.4	Metal drum carcasses, plastic drum carcasses, metal debris, laboratory glassware, plastic sheeting, blue clay-like material, and wood.
LF-TP-8	Area not exhibiting high geophysical anomaly	100	6	6.5	LF-TP-8	NR	Dark brown to black soil and demolition debris, plastic, and glass bottles, purple stained demolition debris, metal pipe conduit, drum fragments, green tinted groundwater.

Notes:

ft - Feet

ppm - Parts per million

**Table 2. Summary of Metals Detected in Test Trench Grab Sample, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.**

Analyte (Concentrations in mg/kg)	NYSDEC RSCOs ^(1, 2) (mg/kg)	Sample Designation:	LF-TP-1	LF-TP-2	LF-TP-3
		Field Sample ID:	B9-13-07	B9-27-18	B9-09-02
		Sample Date:	12/10/02	12/17/02	12/10/02
		Sample Depth (ft bls):	4.0	4.0	4.0
		Sample Type:	N	N	N
Aluminum	7,572		667 B	2,780	290 U
Antimony	--		19.3 U	5.37 U	12 U
Arsenic	7.5		56.7 B	19.2 B	10 U
Barium	300		24.3 B	533	3,510
Beryllium	0.16		8 U	2.24 U	5 U
Cadmium	1		16.1 U	4.47 U	10 U
Calcium	6,841		1,600	3,260	99,900
Chromium	10		51,300	11 B	5 U
Chromium (6+)	10		0.0004 U	0.005 B	0.012 B
Cobalt	30		34.5	3.78 B	3 U
Copper	58		3,070	33.9	6.7 B
Cyanide	--		0.107 U	0.069 U	0.0787 U
Iron	16,700		490,000	16,200	2,360
Lead	24.75		986	587	10.7 B
Magnesium	3,614		159 B	877	2,760
Manganese	229.4		2,580	130	278
Mercury	0.1		1.3 B	1.27 B	0.058 U
Nickel	13		473	12.1 B	5.9 B
Potassium	1,704		692 U	582 B	429 U
Selenium	2		25.8 U	7.15 U	16 U
Silver	--		4.8 U	1.34 U	3 U
Sodium	929		606 B	334 B	304 B
Thallium	--		48.3 U	13.4 U	30 U
Vanadium	150		100	8.5 B	4 U
Zinc	87		1,270	282	75,000

Notes:

-- - No NYSDEC RSCO available

1 - Division Technical and Administrative Guidance Memorandum:

Determination of Soil Cleanup Objectives and

Cleanup levels, January 1994

2 - Represents the RSCO or Site Background

Concentration, whichever is higher

B - Indicates an estimated value

bold - Data highlighted in bold represent detections that exceed
the NYSDEC RSCO

FD - Field duplicate

ft bls - Feet below land surface

mg/kg - Milligrams per kilogram

N - Normal sample

NYSDEC - New York State Department of Environmental Conservation

RSCO - Recommended Soil Cleanup Objective

U - Not detected, method detection limit shown

ND - Not detected, method detection limit not shown

**Table 2. Summary of Metals Detected in Test Trench Grab Sample, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.**

Analyte (Concentrations in mg/kg)	NYSDEC RSCOs ^(1, 2) (mg/kg)	Sample Designation:	LF-TP-3A	LF-TP-4	LF-TP-5
		Field Sample ID:	B9-09-19	B9-02-14	B9-04-23
		Sample Date:	12/10/02	12/9/02	12/9/02
		Sample Depth (ft bls):	4.0	4.0	4.0
		Sample Type:	N	N	N
Aluminum	7,572		6,530	5,370	14,400
Antimony	--		6 U	7.87 B	9.57 U
Arsenic	7.5		36.4 B	251	21.9 B
Barium	300		124	111	158
Beryllium	0.16		2.5 U	2.36 U	3.99 U
Cadmium	1		5 U	4.72 U	7.97 U
Calcium	6,841		12,100	5,350	19,400
Chromium	10		595	199	69.6
Chromium (6+)	10		0.0003 U	0.0003 U	4.11
Cobalt	30		19	14	16.2
Copper	58		552	5,230	157
Cyanide	--		0.0658 U	0.084 B	0.095 U
Iron	16,700		97,200	169,000	66,700
Lead	24.75		1,860	2,090	169
Magnesium	3,614		5,010	1,300	8,690
Manganese	229.4		772	335	857
Mercury	0.1		4.7 B	3.44 B	0.582 B
Nickel	13		256	112	46.1
Potassium	1,704		1,050	693 B	2,990
Selenium	2		8 U	38.2 B	12.8 U
Silver	--		1.5 U	1.42 U	2.39 U
Sodium	929		317 B	602	6,920
Thallium	--		14.9 U	14.2 U	23.9 U
Vanadium	150		70.4	148	26.2 B
Zinc	87		2,320	908	336

Notes:

-- - No NYSDEC RSCO available

1 - Division Technical and Administrative Guidance Memorandum:

Determination of Soil Cleanup Objectives and
Cleanup levels, January 1994

2 - Represents the RSCO or Site Background

Concentration, whichever is higher

B - Indicates an estimated value

bold - Data highlighted in bold represent detections that exceed
the NYSDEC RSCO

FD - Field duplicate

ft bls - Feet below land surface

mg/kg - Milligrams per kilogram

N - Normal sample

NYSDEC - New York State Department of Environmental Conservation

RSCO - Recommended Soil Cleanup Objective

U - Not detected, method detection limit shown

ND - Not detected, method detection limit not shown

**Table 2. Summary of Metals Detected in Test Trench Grab Sample, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.**

Analyte (Concentrations in mg/kg)	NYSDEC RSCOs ^(1, 2) (mg/kg)	Sample Designation:	LF-TP-6	LF-TP-6	LF-TP-7
		Field Sample ID:	B9-18-14	B9-18-23	B9-23-11
		Sample Date:	12/11/02	12/11/02	12/12/02
		Sample Depth (ft bls):	4.0	4.0	4.0
		Sample Type:	N	FD	N
Aluminum	7,572		5,260	6,440	5,990
Antimony	--		7.81 U	8.41 U	5.82 U
Arsenic	7.5		26.1 B	8.4 B	66.8
Barium	300		53.7	54.7	86.3
Beryllium	0.16		3.25 U	3.5 U	2.42 U
Cadmium	1		6.51 U	7.01 U	4.85 U
Calcium	6,841		10,700	10,700	7,500
Chromium	10		66.7	13.7 B	2,710
Chromium (6+)	10		ND U	0.007 B	ND U
Cobalt	30		16.3	5.41 B	33.1
Copper	58		165	99	762
Cyanide	--		0.091 U	0.093 U	0.075 U
Iron	16,700		66,200	44,900	207,000
Lead	24.75		216	157	26,900
Magnesium	3,614		716	429	3,200
Manganese	229.4		635	444	1,780
Mercury	0.1		1.21 B	1.65 B	1.58 B
Nickel	13		63.5	20.9 B	264
Potassium	1,704		400 B	301 U	963 B
Selenium	2		10.4 U	11.2 U	7.76 U
Silver	--		1.95 U	2.1 U	1.45 U
Sodium	929		19,300	32,700	300 B
Thallium	--		19.5 U	21 U	14.5 U
Vanadium	150		18.6 B	11.5 B	164
Zinc	87		137	52.5 B	1,450

Notes:

-- - No NYSDEC RSCO available

1 - Division Technical and Administrative Guidance Memorandum:

Determination of Soil Cleanup Objectives and

Clenaup levels, January 1994

2 - Represents the RSCO or Site Background

Concentration, whichever is higher

B - Indicates an estimated value

bold - Data highlighted in bold represent detections that exceed
the NYSDEC RSCO

FD - Field duplicate

ft bls - Feet below land surface

mg/kg - Milligrams per kilogram

N - Normal sample

NYSDEC - New York State Department of Environmental Conservation

RSCO - Recommended Soil Cleanup Objective

U - Not detected, method detection limit shown

ND - Not detected, method detection limit not shown

**Table 2. Summary of Metals Detected in Test Trench Grab Sample, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.**

		Sample Designation:	LF-TP-8
		Field Sample ID:	B9-29-25
		Sample Date:	12/17/02
Analyte	NYSDEC	Sample Depth (ft bls):	4.0
(Concentrations	RSCOs^(1, 2)	Sample Type:	N
in mg/kg)	(mg/kg)		
Aluminum	7,572		4,690
Antimony	--		6.37 U
Arsenic	7.5		93
Barium	300		181
Beryllium	0.16		2.65 U
Cadmium	1		5.31 U
Calcium	6,841		9,100
Chromium	10		46.7
Chromium (6+)	10		0.001 U
Cobalt	30		4.09 B
Copper	58		206
Cyanide	--		0.065 U
Iron	16,700		50,100
Lead	24.75		310
Magnesium	3,614		1,760
Manganese	229.4		136
Mercury	0.1		0.643 B
Nickel	13		27.5
Potassium	1,704		982 B
Selenium	2		8.49 U
Silver	--		1.59 U
Sodium	929		515
Thallium	--		15.9 U
Vanadium	150		19 B
Zinc	87		253

Notes:

-- - No NYSDEC RSCO available

1 - Division Technical and Administrative Guidance Memorandum:

Determination of Soil Cleanup Objectives and

Cleanup levels, January 1994

2 - Represents the RSCO or Site Background

Concentration, whichever is higher

B - Indicates an estimated value

bold - Data highlighted in bold represent detections that exceed
the NYSDEC RSCO

FD - Field duplicate

ft bls - Feet below land surface

mg/kg - Milligrams per kilogram

N - Normal sample

NYSDEC - New York State Department of Environmental Conservation

RSCO - Recommended Soil Cleanup Objective

U - Not detected, method detection limit shown

ND - Not detected, method detection limit not shown

Table 3. Summary of Metals Detected in Test Trench Grab Samples Using TCLP, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/L)	HWRL ⁽¹⁾ (µg/L)	Sample Designation:		LF-TP-1		LF-TP-2		LF-TP-3		LF-TP-3A		LF-TP-4	
		Field Sample ID:		B9-13-07		B9-27-18		B9-09-02		B9-09-19		B9-02-14	
		Sample Date:		12/10/02		12/17/02		12/10/02		12/10/02		12/9/02	
		Sample Depth (ft bls):		4.0		4.0		4.0		4.0		4.0	
		Sample Type:		N		N		N		N		N	
Arsenic	5,000	31.1		34.8 U		34.8 U		34.8 U		34.8 U		34.8 U	
Barium	100,000	437		596		728		47.4		487		487	
Cadmium	1,000	12.2		6.4 U		6.4 U		14 B		6.4 U		6.4 U	
Chromium	5,000	1.8 B		7.6 U		7.6 U		555		7.6 U		7.6 U	
Lead	5,000	2.6 U		729		367		465		17 U		17 U	
Mercury	200	0.9 U		0.9 U		0.9 U		0.9 U		0.9 U		0.9 U	
Selenium	1,000	9.9 B		34.6 U		34.6 U		34.6 U		34.6 U		34.6 U	
Silver	5,000	1.3 B		6.8 U		6.8 U		6.8 U		6.8 U		6.8 U	

Notes:

1 - 40 CFR Chapter 1 Part 261 Section 261.24, March 13, 2002

B - Indicates an estimated value

bold - Data highlighted in bold represents detections that exceed the NYSDEC RSCO

FD - Field duplicate

ft bls - Feet below land surface

HWRL - Hazardous Waste Regulatory Levels for Toxicity Characteristic

µg/L - Micrograms per liter

N - Normal sample

TCLP - Toxicity Characteristic Leaching Procedure

U - Not detected, method detection limit shown

Table 3. Summary of Metals Detected in Test Trench Grab Samples Using TCLP, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/L)	HWRL ⁽¹⁾ (µg/L)	Sample Designation:											
		Field Sample ID:		LF-TP-5		LF-TP-6		LF-TP-6		LF-TP-7		LF-TP-8	
		Sample Date:		B9-04-23		B9-18-14		B9-18-23		B9-23-11		B9-29-25	
		Sample Depth (ft bls):		4.0		4.0		4.0		4.0		4.0	
Sample Type:													
Arsenic	5,000			34.8 U		34.8 U							34.8 U
Barium	100,000			875		189							77.9
Cadmium	1,000			6.4 U		6.4 U							19.1 B
Chromium	5,000			7.6 U		7.6 U							7.6 U
Lead	5,000			17 U		17 U							1690
Mercury	200			0.9 U		0.9 U							0.9 U
Selenium	1,000			34.6 U		34.6 U							34.6 U
Silver	5,000			6.8 U		6.8 U							6.8 U

Notes:

1 - 40 CFR Chapter 1 Part 261 Section 261.24, March 13, 2002

B - Indicates an estimated value

bold - Data highlighted in bold represents detections that exceed the NYSDEC RSCO

exceed the NYSDEC RSCO

FD - Field duplicate

ft bls - Feet below land surface

HWRL - Hazardous Waste Regulatory Levels for Toxicity Characteristic

ug/L - Micrograms per liter

N - Normal sample

TCLP - Toxicity Characteristic Leaching Procedure

U - Not detected, method detection limit shown

Table 4. Summary of VOCs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	NYSDEC RSCOs ⁽¹⁾ (µg/kg)	Sample Designation:		LF-TP-1		LF-TP-2		LF-TP-3		LF-TP-3A		LF-TP-4	
		Field Sample ID:		B9-13-07		B9-27-18		B9-09-02		B9-09-19		B9-02-14	
		Sample Date:		12/10/02		12/17/02		12/10/02		12/10/02		12/9/02	
		Sample Depth (ft bls):		4.0		4.0		4.0		4.0		4.0	
Sample Type:		N		N		N		N		N		N	
Acetone	200	2,500 U		33		66 B		1,600 U		1,700			
Benzene	60	88 U		0.6 U		19		1,000		1,200			
Bromodichloromethane	--	87 U		0.6 U		0.7 U		55 U		55 U			
Bromoform	--	94 U		0.8 U		0.9 U		60 U		60 U			
Bromomethane	--	210 U		3 U		4 U		130 U		130 U			
2-Butanone	300	380 U		10 J		14 JB		240 U		240 U			
Carbon disulfide	2,700	8 U		0.3 U		3 JB		5 U		56 J			
Carbon tetrachloride	600	120 U		0.5 U		0.6 U		77 U		77 U			
Chlorobenzene	1,700	160 U		2 J		6 J		2,400		1,500			
Chloroethane	1,900	140 U		0.9 U		1 U		90 U		90 U			
Chloroform	300	290 U		0.8 U		0.9 U		180 U		180 U			
Chloromethane	--	130 U		1 U		1 U		85 U		85 U			
Dibromochloromethane	100	88 U		0.5 U		0.6 U		56 U		56 U			
1,3-Dichlorobenzene	7,900	170 U		0.6 U		0.7 U		800		110 UM			
1,4-Dichlorobenzene	1,600	470 J		0.8 U		2 J		2,200		130 U			
1,2-Dichlorobenzene	8,500	180 U		3 J		6 J		6,100		110 U			
1,1-Dichloroethane	200	120 U		0.6 U		0.7 U		74 U		74 U			
1,2-Dichloroethane	100	260 U		5 J		6 JH		540 J		170 U			
1,1-Dichloroethene	400	66 U		0.6 U		0.7 U		42 U		42 U			
1,2-Dichloroethene (total)	300	140 U		0.6 U		0.7 U		90 U		90 U			
1,2-Dichloropropane	--	59 U		0.5 U		0.6 U		37 U		37 U			
1,3-Dichloropropene, cis-	300	80 U		0.5 U		0.6 U		51 U		51 U			
1,3-Dichloropropene, trans-	300	77 U		0.5 U		0.6 U		49 U		49 U			
Ethylbenzene	5,500	150 U		0.5 U		2 J		95 U		1,400			
2-Hexanone	--	350 U		4 U		5 U		220 U		220 U			
Methylene chloride	100	250 U		2 U		3 J		160 U		160 U			
4-Methyl-2-pentanone	1,000	420 U		4 U		4 U		270 U		630			
Styrene	--	150 U		0.6 U		0.7 U		96 U		96 U			
1,1,2,2-Tetrachloroethane	600	170 U		1 U		1 U		110 U		110 U			
Tetrachloroethene	1,400	200 U		0.5 U		0.6 U		120 U		120 U			
Toluene	1,500	1,800		0.6 J		0.6 U		110 U		7,100			

Table 4. Summary of VOCs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	NYSDEC RSCOs ⁽¹⁾ (µg/kg)	Sample Designation:		Field Sample ID:		Sample Date:		Sample Depth (ft bls):		Sample Type:	
		LF-TP-1		LF-TP-2		LF-TP-3		LF-TP-3A		LF-TP-4	
		B9-13-07		B9-27-18		B9-09-02		B9-09-19		B9-02-14	
		12/10/02		12/17/02		12/10/02		12/10/02		12/9/02	
		4.0	N	4.0	N	4.0	N	4.0	N	4.0	N
1,2,4-Trichlorobenzene	3,400	2,000		2 JH		6 JH		2,000		770	
1,1,1-Trichloroethane	800	120 U		0.6 U		0.7 U		77 U		77 U	
1,1,2-Trichloroethane	6,000	81 U		0.6 U		0.7 U		52 U		52 U	
Trichloroethene	700	62 U		0.6 U		0.7 U		39 U		39 U	
Vinyl acetate	--	380 U		4 U		4 U		240 U		240 U	
Vinyl chloride	200	210 U		0.5 U		0.6 U		130 U		130 U	
Xylenes (total)	1,200	510 U		1 U		3 J		350 J		6,400	
TOTAL TICS	--	16,840 JN		NR		1,080 JN		6,600 JN		5,730 JN	

Notes:

-- No NYSDC RSCO available

µg/kg - Micrograms per kilogram

1 - Division Technical and Administrative Guidance Memorandum: Determination of Soil

Cleanup Objectives and Cleanup Levels, January 1994

B - Detected in blank

bold - Data highlighted in bold represent detections that exceed the NYSDC RSCO

FD - Field duplicate

ft bls - Feet below land surface

H - Alternate peak selection

J - Indicates an estimated value

N - Normal sample

NR - Not reported

NYSDC - New York State Department of Environmental Conservation

RSCO - Recommended Soil Cleanup Objective

Table 4. Summary of VOCs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	Sample Designation: Field Sample ID: Sample Date: Sample Depth (ft bls): Sample Type:	NYSDEC RSCOs ⁽¹⁾ (µg/kg)	LF-TP-5		LF-TP-6		LF-TP-6		LF-TP-7		LF-TP-8	
			B9-04-23		B9-18-14		B9-18-23		B9-23-11		B9-29-25	
			12/9/02		12/11/02		12/11/02		12/12/02		12/17/02	
			4.0		4.0		4.0		4.0		4.0	
			N	N	N	N	FD	N	N	N	N	
Acetone	200	110,000 U		210,000 U		110,000 U		1,700 U		64		
Benzene	60	3,900 U		7,500 U		3,800 U		6,600		0.6 U		
Bromodichloromethane	--	3,900 U		7,400 U		3,800 U		61 U		0.6 U		
Bromoform	--	4,200 U		8,000 U		4,100 U		66 U		0.7 U		
Bromomethane	--	9,300 U		18,000 U		9,100 U		150 U		3 U		
2-Butanone	300	17,000 U		32,000 U		16,000 U		1,000		12 J		
Carbon disulfide	2,700	350 U		660 U		340 U		5 U		0.2 U		
Carbon tetrachloride	600	5,500 U		10,000 U		5,300 U		85 U		0.5 U		
Chlorobenzene	1,700	940,000		2,800,000		1,400,000		16,000		3 J		
Chloroethane	1,900	6,300 U		12,000 U		6,200 U		99 U		0.9 U		
Chloroform	300	13,000 U		25,000 U		13,000 U		200 U		0.7 U		
Chloromethane	--	6,000 U		11,000 U		5,800 U		94 U		1 U		
Dibromochloromethane	100	3,900 U		7,500 U		3,800 U		61 U		0.5 U		
1,3-Dichlorobenzene	7,900	7,500 U		14,000 UM		7,300 U		2,500		0.6 U		
1,4-Dichlorobenzene	1,600	9,100 U		38,000 J		11,000 J		8,400		0.7 U		
1,2-Dichlorobenzene	8,500	34,000 J		110,000		46,000		6,400		1 J		
1,1-Dichloroethane	200	5,200 U		10,000 U		5,100 U		82 U		0.6 U		
1,2-Dichloroethane	100	12,000 U		22,000 U		11,000 U		450 J		7		
1,1-Dichloroethene	400	3,000 U		5,700 U		2,900 U		46 U		0.6 U		
1,2-Dichloroethene (total)	300	6,300 U		12,000 U		6,200 U		99 U		0.6 U		
1,2-Dichloropropane	--	2,600 U		5,000 U		2,600 U		41 U		0.5 U		
1,3-Dichloropropene, cis-	300	3,600 U		6,900 U		3,500 U		56 U		0.5 U		
1,3-Dichloropropene, trans-	300	3,400 U		6,600 U		3,400 U		54 U		0.5 U		
Ethylbenzene	5,500	6,700 U		13,000 U		6,500 U		860		0.5 U		
2-Hexanone	--	16,000 U		30,000 U		15,000 U		250 U		4 U		
Methylene chloride	100	11,000 U		21,000 UB		11,000 U		170 UB		1 U		
4-Methyl-2-pentanone	1,000	19,000 U		36,000 U		18,000 U		290 U		3 U		
Styrene	--	6,700 U		13,000 U		6,600 U		110 U		0.6 U		
1,1,2,2-Tetrachloroethane	600	7,700 U		15,000 U		7,500 U		230 J		1 U		
Tetrachloroethene	1,400	8,800 U		17,000 U		8,600 U		140 U		0.5 U		
Toluene	1,500	7,700 U		15,000 U		7,500 U		420 J		1 J		

Table 4. Summary of VOCs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	Sample Designation: Field Sample ID: Sample Date: Sample Depth (ft bls): Sample Type:	LF-TP-5	LF-TP-6	LF-TP-6	LF-TP-6	LF-TP-7	LF-TP-8
		B9-04-23	B9-18-14	B9-18-23	B9-18-23	B9-23-11	B9-29-25
		12/9/02	12/11/02	12/11/02	12/11/02	12/12/02	12/17/02
		4.0	4.0	4.0	4.0	4.0	4.0
		N	N	N	FD	N	N
1,2,4-Trichlorobenzene	3,400	44,000 U	85,000 U	43,000 U	1,300		1 U
1,1,1-Trichloroethane	800	5,400 U	10,000 U	5,300 U	85 U		0.6 U
1,1,2-Trichloroethane	6,000	3,600 U	7,000 U	3,500 U	57 U		0.6 U
Trichloroethene	700	2,800 U	5,300 U	2,700 U	130 J		0.6 U
Vinyl acetate	--	17,000 U	33,000 U	17,000 U	270 U		4 U
Vinyl chloride	200	9,300 U	18,000 U	9,100 U	150 U		0.5 U
Xylenes (total)	1,200	23,000 U	44,000 U	22,000 U	2,000		2 J
TOTAL TICS	--	208,000 JN	NR	NR	NR	NR	NR

Notes:

-- - No NYSDEC RSCO available

µg/kg - Micrograms per kilogram

1 - Division Technical and Administrative Guidance Memorandum: Determination of Soil

Cleanup Objectives and Cleanup Levels, January 1994

B - Detected in blank

bold - Data highlighted in bold represent detections that exceed the NYSDEC RSCO

FD - Field duplicate

ft bls - Feet below land surface

H - Alternate peak selection

J - Indicates an estimated value

N - Normal sample

NR - Not reported

NYSDEC - New York State Department of Environmental Conservation

RSCO - Recommended Soil Cleanup Objective

Table 5. Summary of VOCs Detected in Test Trench Grab Samples Using TCLP, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/L)	HWRL ⁽¹⁾ (µg/L)	Sample Designation:		LF-TP-1		LF-TP-2		LF-TP-3		LF-TP-3A		LF-TP-4	
		Field Sample ID:		B9-13-07		B9-27-18		B9-09-02		B9-09-19		B9-02-14	
		Sample Date:		12/10/02		12/17/02		12/10/02		12/10/02		12/9/02	
		Sample Depth (ft bls):		4.0		4.0		4.0		4.0		4.0	
		Sample Type:		N		N		N		N		N	
Benzene	500	0.3 U		0.7 J		0.3 U		0.3 U		39		59	
2-Butanone	200,000	0.4 U		0.4 U		6 J		6 J		6 J		11	
Carbon tetrachloride	500	0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U	
Chlorobenzene	100,000	0.3 J		0.9 JB		0.2 J		0.2 J		35		10	
Chloroform	6,000	0.2 U		0.2 U		0.2 U		0.2 U		0.2 U		0.2 U	
1,1-Dichloroethene	700	0.6 U		0.6 U		0.6 U		0.6 U		0.6 U		0.6 U	
1,2-Dichloroethane	500	0.3 U		0.3 U		0.3 U		0.3 U		10		14	
Tetrachloroethene	700	0.3 U		0.3 U		0.3 U		0.3 U		0.3 U		0.3 U	
Trichloroethene	500	0.8 U		0.8 U		0.8 U		0.8 U		0.8 U		0.8 U	
Vinyl chloride	200	0.3 U		0.3 U		0.3 U		0.3 U		0.3 U		0.3 U	

Notes:

- 1 - 40 CFR Chapter 1 Part 261 Section 261.24, March 13, 2002
- bold** - Data highlighted in bold represent detections that exceed the NYSDEC RSCO
- FD - Field duplicate
- ft bls - Feet below land surface
- HWRL - Hazardous Waste Regulatory Levels for Toxicity Characteristic
- J - Indicates an estimated value
- M - Manually integrated
- µg/L - Micrograms per liter
- N - Normal Sample
- TCLP - Toxicity Characteristic Leaching Procedure
- U - Not detected, method detection limit shown

Table 5. Summary of VOCs Detected in Test Trench Grab Samples Using TCLP, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/L)	HWRL ⁽¹⁾ (µg/L)	Sample Designation:		LF-TP-5		LF-TP-6		LF-TP-6		LF-TP-7		LF-TP-8	
		Field Sample ID:		B9-04-23		B9-18-14		B9-18-23		B9-23-11		B9-29-25	
		Sample Date:		12/9/02		12/11/02		12/11/02		12/12/02		12/17/02	
		Sample Depth (ft bls):		4.0		4.0		4.0		4.0		4.0	
		Sample Type:		N		N		FD		N		N	
Benzene	500			60 U		38 U		38 U		73		0.3 U	
2-Butanone	200,000			80 U		50 U		50 U		0.4 U		0.4 U	
Carbon tetrachloride	500			40 U		25 U		25 U		0.2 U		0.2 U	
Chlorobenzene	100,000			19,000		20,000		19,000		89		2 JB	
Chloroform	6,000			40 U		25 U		25 U		0.2 U		0.2 U	
1,1-Dichloroethene	700			120 U		75 U		75 U		0.6 U		0.6 U	
1,2-Dichloroethane	500			60 U		38 U		38 U		9		0.3 U	
Tetrachloroethene	700			60 U		38 U		38 U		0.3 U		0.3 U	
Trichloroethene	500			160 U		100 U		100 U		0.8 J		0.8 U	
Vinyl chloride	200			60 U		38 U		38 U		0.3 U		0.3 U	

Notes:

1 - 40 CFR Chapter 1 Part 261 Section 261.24, March 13, 2002

bold - Data highlighted in bold represent detections that exceed the NYSDEC RSCO

FD - Field duplicate

ft bls - Feet below land surface

HWRL - Hazardous Waste Regulatory Levels for Toxicity Characteristic

J - Indicates an estimated value

M - Manually integrated

µg/L - Micrograms per liter

N - Normal Sample

TCLP - Toxicity Characteristic Leaching Procedure

U - Not detected, method detection limit shown

Table 6. Summary of SVOCs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	NYSDEC RSCOs ⁽¹⁾ (µg/kg)	Sample Designation:		LF-TP-1		LF-TP-2		LF-TP-3		LF-TP-3A	
		Field Sample ID:		B9-13-07		B9-27-18		B9-09-02		B9-09-19	
		Sample Date:		12/10/02		12/17/02		12/10/02		12/10/02	
		Sample Depth (ft bls):		4.0		4.0		4.0		4.0	
Sample Type:		N		N		N		N		N	
Acenaphthene	50,000		240 U		86 J		43 U		480 J		
Acenaphthylene	41,000		170 U		220 J		31 U		110 U		
Anthracene	50,000		190 U		490		34 U		430 J		
Benzo[a]anthracene	224		240 U		1,500		43 U		1,000 J		
Benzo[a]pyrene	61		250 U		1,100		46 U		1,100 J		
Benzo[b]fluoranthene	1,100		600 U		1,300 M		110 U		630 JH		
Benzo[g,h,i]perylene	50,000		270 U		780		49 U		330 J		
Benzo[k]fluoranthene	1,100		610 U		810 M		110 U		660 JH		
Bis(2-chloroethoxy)methane	--		220 U		18 U		40 U		140 U		
Bis(2-chloroethyl)ether	--		1,600 U		130 U		290 U		1,000 U		
Bis(2-ethylhexyl)phthalate	50,000		570 U		80 JM		100 U		360 U		
4-Bromodiphenyl ether	--		200 U		17 U		37 U		130 U		
Butylbenzyl phthalate	50,000		200 U		17 U		37 U		130 U		
1-Chloro-4-phenoxybenzene	--		250 U		20 U		46 U		160 U		
2-Chloronaphthalene	--		300 U		24 U		54 U		190 U		
Chrysene	400		270 U		1,500		49 U		790 J		
Di-n-butyl phthalate	8,100		220 U		18 U		40 U		25,000		
Di-n-octyl phthalate	50,000		190 U		15 U		34 U		120 U		
Di-n-propylnitrosamine	--		220 U		18 U		40 U		140 U		
Dibenzo[a,h]anthracene	14		280 U		470		51 U		180 U		
Dibenzofuran	6,200		240 U		110 J		43 U		150 U		
Diethyl phthalate	7,100		270 U		22 U		49 U		11,000		
Dimethyl phthalate	2,000		240 U		19 U		43 U		12,000		
2,4-Dinitrotoluene	--		2,900 J		24 U		54 U		190 U		
2,6-Dinitrotoluene	1,000		220 U		18 U		40 U		140 U		
Fluoranthene	50,000		350 U		2,400		63 U		1,300 J		
Fluorene	50,000		310 U		180 JH		57 U		200 U		
Hexachlorobenzene	410		300 U		24 U		54 U		190 U		
Hexachlorobutadiene	--		520 U		42 U		94 U		330 U		
Hexachlorocyclopentadiene	--		710 U		57 U		130 U		450 U		
Hexachloroethane	--		330 U		27 U		60 U		210 U		

Table 6. Summary of SVOCs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	NYSDEC RSCOs ⁽¹⁾ (µg/kg)	Sample Designation:			LF-TP-1 B9-13-07 12/10/02 4.0 N	LF-TP-2 B9-27-18 12/17/02 4.0 N	LF-TP-3 B9-09-02 12/10/02 4.0 N	LF-TP-3A B9-09-19 12/10/02 4.0 N
		Field Sample ID:						
		Sample Date:						
		Sample Depth (ft bls):						
		Sample Type:						
Indeno[1,2,3-cd]pyrene	3,200	280 U	780	51 U	570 J			
Isophorone	4,400	360 U	29 U	66 U	230 U			
2-Methylnaphthalene	36,400	440 U	36 U	80 U	710 J			
N-Nitrosodiphenylamine	--	250 U	100 J	46 U	2,400 J			
Naphthalene	13,000	500 UM	60 J	91 U	530 J			
2-Nitroaniline	430	350 U	28 U	63 U	220 U			
3-Nitroaniline	500	280 U	23 U	51 U	7,000 J			
4-Nitroaniline	--	3,000 J	31 U	69 U	240 U			
Nitrobenzene	200	390 U	32 U	71 U	250 U			
4-Nitrophenol	100	1,300 U	110 U	240 U	840 U			
Pentachlorophenol	1,000	680 U	55 U	120 U	430 U			
Phenanthrene	50,000	380 U	1,600	69 U	1,100 J			
Phenol	30	380 U	31 U	69 U	420 J			
Pyrene	50,000	300 U	2,700	54 U	1,300 J			
2,4,5-Trichlorophenol	100	160 U	13 U	29 U	99 U			
Total TICs	--	532,100 JAN	NR	110,970 JABN	868,000 JAN			

Notes:

Notes:

-- No NYSDEC RSCO available

* - Batch quality control exceeds the upper or lower control limits

1 - Division of Technical and Administrative Guidance Memorandum:

Determination of Soil Cleanup Objectives and Cleanup Levels,

January 1994

A - Concentration exceeds the instrument calibration range or is below the reporting limit

B - Detected in blank

bold - Data highlighted in bold represent detections that exceed the NYSDEC RSCO

FD - Field duplicate

ft bls - Feet below land surface

H - Alternate peak selection

J - Result is an estimated value below the reporting limit

M - Manually integrated

N (sample type) - Normal sample

N (qualifier) -

NYSDEC - New York Department of Environmental Conservation

Q - Qualitatively confirmed, not quantified

RSCO - Recommended Soil Cleanup Objective

U - Not detected, method detection limit shown

µg/kg - Micrograms per kilogram

NR - Not Reported

Table 6. Summary of SVOCs Detected in Test Trench Grab Samples, Closed Landfill Investigation
 BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	NYSDEC RSCOs ⁽¹⁾ (µg/kg)	Sample Designation:		LF-TP-4		LF-TP-5		LF-TP-6		LF-TP-6	
		Field Sample ID:		B9-02-14		B9-04-23		B9-18-14		B9-18-23	
		Sample Date:		12/9/02		12/9/02		12/11/02		12/11/02	
		Sample Depth (ft bls):		4.0		4.0		4.0		4.0	
		Sample Type:		N		N		N		FD	
Acenaphthene	50,000	8,000		210 U		7,100 U		7,100 U		7,100 U	
Acenaphthylene	41,000	53 U		150 U		5,200 U		5,200 U		5,200 U	
Anthracene	50,000	120 J		170 U		5,600 U		5,600 U		5,700 U	
Benzo[a]anthracene	224	350 J		1,200 J		7,100 U		7,100 U		7,100 U	
Benzo[a]pyrene	61	350 J		1,700 J		7,500 U		7,500 U		7,600 U	
Benzo[b]fluoranthene	1,100	320 JM		2,600 JM		21,000 J		21,000 J		21,000 J	
Benzo[g,h,i]perylene	50,000	140 J		230 U		8,000 U		8,000 U		8,100 U	
Benzo[k]fluoranthene	1,100	320 JM		3,000 JM		18,000 U		18,000 U		19,000 U	
Bis(2-chloroethoxy)methane	--	68 U		190 U		6,600 U		6,600 U		6,700 U	
Bis(2-chloroethyl)ether	--	500 U		1,400 U		48,000 U		48,000 U		49,000 U	
Bis(2-ethylhexyl)phthalate	50,000	170 U		500 U		17,000 U		17,000 U		17,000 U	
4-Bromodiphenyl ether	--	63 U		180 U		6,100 U		6,100 U		6,200 U	
Butylbenzyl phthalate	50,000	63 U		180 U		6,100 U		6,100 U		6,200 U	
1-Chloro-4-phenoxybenzene	--	78 U		220 U		7,500 U		7,500 U		7,600 U	
2-Chloronaphthalene	--	92 U		260 U		8,900 U		8,900 U		9,100 U	
Chrysene	400	680 J		1,200 J		8,000 U		8,000 U		8,100 U	
Di-n-butyl phthalate	8,100	68 U		190 U		6,600 U		6,600 U		6,700 U	
Di-n-octyl phthalate	50,000	58 U		170 U		5,600 U		5,600 U		5,700 U	
Di-n-propylnitrosamine	--	68 U		190 U		6,600 U		6,600 U		6,700 U	
Dibenzo[a,h]anthracene	14	87 U		250 U		8,500 U		8,500 U		8,600 U	
Dibenzofuran	6,200	320 J		210 U		7,100 U		7,100 U		7,100 U	
Diethyl phthalate	7,100	83 U		230 U		8,000 U		8,000 U		8,100 U	
Dimethyl phthalate	2,000	73 U		210 U		7,100 U		7,100 U		7,100 U	
2,4-Dinitrotoluene	--	92 U		260 U		8,900 U		8,900 U		9,100 U	
2,6-Dinitrotoluene	1,000	68 U		190 U		6,600 U		6,600 U		6,700 U	
Fluoranthene	50,000	1,000 J		1,300 J		10,000 U		10,000 U		10,000 U	
Fluorene	50,000	220 J		280 U		9,400 U		9,400 U		9,500 U	
Hexachlorobenzene	410	92 U		260 U		8,900 U		8,900 U		9,100 U	
Hexachlorobutadiene	--	160 U		460 U		16,000 U		16,000 U		16,000 U	
Hexachlorocyclopentadiene	--	220 U		620 U		21,000 U		21,000 U		21,000 U	
Hexachloroethane	--	100 U		290 U		9,900 U		9,900 U		10,000 U	

Table 6. Summary of SVOCs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	NYSDEC RSCOs ⁽¹⁾ (µg/kg)	Sample Designation:			LF-TP-5 B9-04-23 12/9/02 4.0 N	LF-TP-6 B9-18-14 12/11/02 4.0 N	LF-TP-6 B9-18-23 12/11/02 4.0 FD
		Field Sample ID:					
		Sample Date:					
		Sample Depth (ft bls):					
		Sample Type:					
Indeno[1,2,3-cd]pyrene	3,200	170 J	250 U		8,500 U	8,600 U	
Isophorone	4,400	110 U	12,000		130,000 J	120,000 J	
2-Methylnaphthalene	36,400	140 U	390 U		13,000 U	13,000 U	
N-Nitrosodiphenylamine	--	780 J	810 JH		7,500 U	7,600 U	
Naphthalene	13,000	820 J	1,900 J		15,000 UM	15,000 UM	
2-Nitroaniline	430	110 U	300 U		10,000 U	10,000 U	
3-Nitroaniline	500	87 U	250 U		8,500 U	8,600 U	
4-Nitroaniline	--	120 U	330 U		11,000 U	11,000 U	
Nitrobenzene	200	120 U	340 U		12,000 U	12,000 U	
4-Nitrophenol	100	410 U	1,200 U		40,000 U	40,000 U	
Pentachlorophenol	1,000	210 U	590 U		20,000 U	20,000 U	
Phenanthrene	50,000	1,100 J	960 JH		11,000 U	11,000 U	
Phenol	30	120 U	1,100 J		140,000 J	56,000 J	
Pyrene	50,000	810 J	1,200 JH		8,900 U	9,100 U	
2,4,5-Trichlorophenol	100	49 U	140 U		4,700 U	4,800 U	
Total TICs	--	558,400 JABN	4,119,000 JABN		NR	NR	

Notes:

- - No NYSDC RSCO available
- * - Batch quality control exceeds the upper or lower control limits
- 1 - Division of Technical and Administrative Guidance Memorandum:
Determination of Soil Cleanup Objectives and Cleanup Levels,
January 1994
- A - Concentration exceeds the instrument calibration range or is
below the reporting limit
- B - Detected in blank
- bold** - Data highlighted in bold represent detections that exceed the
NYSDC RSCO
- FD - Field duplicate
- ft bls - Feet below land surface

- H - Alternate peak selection
- J - Result is in an estimated value below the reporting limit
- M - Manually integrated
- N (sample type) - Normal sample
- N (qualifier) -
- NYSDC - New York Department of Environmental Conservation
- Q - Qualitatively confirmed, not quantified
- RSCO - Recommended Soil Cleanup Objective
- U - Not detected, method detection limit shown
- µg/kg - Micrograms per kilogram
- NR - Not Reported

Table 6. Summary of SVOCs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	NYSDEC RSCOs ⁽¹⁾ (µg/kg)	Sample Designation:		LF-TP-7		LF-TP-8	
		Field Sample ID:	B9-23-11	B9-29-25			
		Sample Date:	12/12/02	12/17/02			
		Sample Depth (ft bls):	4.0	4.0			
		Sample Type:	N	N			
Acenaphthene	50,000		6,000 J		18 U		
Acenaphthylene	41,000		3,800 J		13 U		
Anthracene	50,000		650 J		51 J		
Benzo[a]anthracene	224		330 U		140 J		
Benzo[a]pyrene	61		350 U		120 J		
Benzo[b]fluoranthene	1,100		820 U		140 JM		
Benzo[g,h,i]perylene	50,000		370 U		98 J		
Benzo[k]fluoranthene	1,100		850 U		87 JM		
Bis(2-chloroethoxy)methane	--		300 U		17 U		
Bis(2-chloroethyl)ether	--		2,200 U		130 U		
Bis(2-ethylhexyl)phthalate	50,000		780 U		75 JM		
4-Bromodiphenyl ether	--		280 U		16 U		
Butylbenzyl phthalate	50,000		280 U		16 U		
1-Chloro-4-phenoxybenzene	--		350 U		20 U		
2-Chloronaphthalene	--		8,000		23 U		
Chrysene	400		370 U		150 J		
Di-n-butyl phthalate	8,100		300 U		17 U		
Di-n-octyl phthalate	50,000		520 J		15 U		
Di-n-propylnitrosamine	--		300 U		17 U		
Dibenzo[a,h]anthracene	14		390 U		22 U		
Dibenzofuran	6,200		330 U		18 U		
Diethyl phthalate	7,100		370 U		21 U		
Dimethyl phthalate	2,000		330 U		18 U		
2,4-Dinitrotoluene	--		4,700 J		23 U		
2,6-Dinitrotoluene	1,000		4,600 J		17 U		
Fluoranthene	50,000		480 U		250 J		
Fluorene	50,000		430 U		25 J		
Hexachlorobenzene	410		410 U		23 U		
Hexachlorobutadiene	--		720 U		40 U		
Hexachlorocyclopentadiene	--		980 U		55 U		
Hexachloroethane	--		460 U		26 U		

Table 6. Summary of SVOCs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	NYSDEC RSCOs ⁽¹⁾ (µg/kg)	Sample Designation:		LF-TP-7		LF-TP-8	
		Field Sample ID:		B9-23-11		B9-29-25	
		Sample Date:		12/12/02		12/17/02	
		Sample Depth (ft bls):		4.0		4.0	
		Sample Type:		N		N	
Indeno[1,2,3-cd]pyrene	3,200		390 U		81 J		
Isophorone	4,400		740 J		28 U		
2-Methylnaphthalene	36,400		610 U		34 U		
N-Nitrosodiphenylamine	--		350 U		260 J		
Naphthalene	13,000		4,000 J		39 U		
2-Nitroaniline	430		480 U		27 U		
3-Nitroaniline	500		670 J		22 U		
4-Nitroaniline	--		20,000		50 JH		
Nitrobenzene	200		540 U		30 U		
4-Nitrophenol	100		2,000 J		100 U		
Pentachlorophenol	1,000		930 U		52 U		
Phenanthrene	50,000		650 J		180 J		
Phenol	30		6,900 J		29 U		
Pyrene	50,000		410 U		260 J		
2,4,5-Trichlorophenol	100		220 U		12 U		
Total TICs	--		NR		NR		

Notes:

- - No NYSDEC RSCO available
- * - Batch quality control exceeds the upper or lower control limits
- 1 - Division of Technical and Administrative Guidance Memorandum:
Determination of Soil Cleanup Objectives and Cleanup Levels,
January 1994
- A - Concentration exceeds the instrument calibration range or is
below the reporting limit
- B - Detected in blank
- bold** - Data highlighted in bold represent detections that exceed the
NYSDEC RSCO
- FD - Field duplicate
- ft bls - Feet below land surface
- H - Alternate peak selection
- J - Result is in an estimated value below the reporting limit
- M - Manually integrated
- N (sample type) - Normal sample
- N (qualifier) -
- NYSDEC - New York Department of Environmental Conservation
- Q - Qualitatively confirmed, not quantified
- RSCO - Recommended Soil Cleanup Objective
- U - Not detected, method detection limit shown
- µg/kg - Micrograms per kilogram
- NR - Not Reported

Table 7. Summary of SVOCs Detected in Test Trench Grab Samples Using TCLP, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/L)	HWRL ⁽¹⁾ (µg/L)	Sample Designation:		LF-TP-1		LF-TP-2		LF-TP-3		LF-TP-3A	
		Field Sample ID:		B9-13-07		B9-27-18		B9-09-02		B9-09-19	
		Sample Date:		37600		37607		37600		37600	
		Sample Depth (ft bis):		4.0		4.0		4.0		4.0	
		Sample Type:		N	RA	N	N	N	N	N	
1,4-Dichlorobenzene	7,500			9 J	7 J	0.4 U		6 J		0.4 U	
Hexachlorobenzene	130			1 U	1 U	1 U		1 U		1 U	
Hexachlorobutadiene	500			1 U	1 U	1 U		1 U		1 U	
Hexachloroethane	3,000			0.8 U	0.8 U	0.8 U		0.8 U		0.8 U	
2-Methylphenol	--			0.6 U	0.6 U	0.6 U		2 J		0.6 U	
4-Methylphenol	--			1 U	1 U	1 U		1 U		1 U	
Nitrobenzene	2,000			0.6 U	1 JM	0.6 U		0.6 U		0.6 U	
Pentachlorophenol	100,000			5 U	5 U	5 U		5 U		5 U	
Pyridine	5,000			9 U	9 U	9 U		9 U		9 U	
2,4,5-Trichlorophenol	400,000			0.6 U	0.6 U	0.6 U		0.6 U		0.6 U	
2,4,6-Trichlorophenol	2,000			0.8 U	0.8 U	0.8 U		0.8 U		0.8 U	

Notes:

- * - Batch quality control exceeds the upper or lower control limits
- 1 - 40 CFR Chapter 1 Part 261 Section 261.24, March 13, 2002
- FD - Field duplicate
- ft bis - Feet below land surface
- HWRL - Hazardous Waste Regulatory Levels for Toxicity Characteristic
- J - Indicates an estimated value
- M - Manually integrated
- µg/L - Micrograms per liter
- N - Normal sample
- Q - Qualitatively confirmed, not quantified
- RA - Reanalysis
- TCLP - Toxicity Characteristic Leaching Procedure
- U - Not detected, method detection limit shown

Table 7. Summary of SVOCs Detected in Test Trench Grab Samples Using TCLP, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/L)	HWRL ⁽¹⁾ (µg/L)	Sample Designation:		LF-TP-4	LF-TP-5	LF-TP-6	LF-TP-6	LF-TP-6	LF-TP-7
		Field Sample ID:	B9-02-14	B9-04-23	B9-18-14	B9-18-23	B9-23-11		
		Sample Date:	37599	19/09/02	37601	37601	37602		
		Sample Depth (ft bls):	4.0	4.0	4.0	4.0	4.0		
		Sample Type:	N	N	N	N	N	FD	N
1,4-Dichlorobenzene	7,500		0.4 U	10 J	25 J	33 J			2 J
Hexachlorobenzene	130		1 U	1 U	4 U	4 U			1 U
Hexachlorobutadiene	500		1 U	1 U	4 U	4 U			1 U
Hexachloroethane	3,000		0.8 U	0.8 U	3 U	3 U			0.8 U
2-Methylphenol	--		0.6 U	2 J	2 U	2 U			0.6 U
4-Methylphenol	--		3 J	7 J	4 U	4 U			4 J
Nitrobenzene	2,000		0.6 U	0.6 U	2 U	2 U			0.6 U
Pentachlorophenol	100,000		5 U	5 U	21 U	21 U			5 U
Pyridine	5,000		9 U	9 U	37 U	37 U			9 U
2,4,5-Trichlorophenol	400,000		0.6 U	0.6 U	2 U	2 U			0.6 U
2,4,6-Trichlorophenol	2,000		0.8 U	0.8 U	3 U	3 U			0.8 U

Notes:

- * - Batch quality control exceeds the upper or lower control limits
- 1 - 40 CFR Chapter 1 Part 261 Section 261.24, March 13, 2002
- FD - Field duplicate
- ft bls - Feet below land surface
- HWRL - Hazardous Waste Regulatory Levels for Toxicity Characteristic
- J - Indicates an estimated value
- M - Manually integrated
- µg/L - Micrograms per liter
- N - Normal sample
- Q - Qualitatively confirmed, not quantified
- RA - Reanalysis
- TCLP - Toxicity Characteristic Leaching Procedure
- U - Not detected, method detection limit shown

Table 7. Summary of SVOCs Detected in Test Trench Grab Samples Using TCLRP, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/L)	Sample Designation: LF-TP-8		
	HWRL ⁽¹⁾ (µg/L)	Field Sample ID: B9-29-25	
		Sample Date: 37607	
		Sample Depth (ft bls): 4.0	
		Sample Type: N	
1,4-Dichlorobenzene	7,500		0.4 U
Hexachlorobenzene	130		1 U
Hexachlorobutadiene	500		1 U
Hexachloroethane	3,000		0.8 U
2-Methylphenol	--		0.6 U
4-Methylphenol	--		1 U
Nitrobenzene	2,000		0.6 U
Pentachlorophenol	100,000		5 U
Pyridine	5,000		9 U
2,4,5-Trichlorophenol	400,000		0.6 U
2,4,6-Trichlorophenol	2,000		0.8 U

Notes:

- * - Batch quality control exceeds the upper or lower control limits
- 1 - 40 CFR Chapter 1 Part 261 Section 261.24, March 13, 2002
- FD - Field duplicate
- ft bls - Feet below land surface
- HWRL - Hazardous Waste Regulatory Levels for Toxicity Characteristic
- J - Indicates an estimated value
- M - Manually integrated
- µg/L - Micrograms per liter
- N - Normal sample
- Q - Qualitatively confirmed, not quantified
- RA - Reanalysis
- TCLRP - Toxicity Characteristic Leaching Procedure
- U - Not detected, method detection limit shown

**Table 8. Summary of PCBs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.**

Analyte (Concentrations in µg/kg)	Sample Designation: Field Sample ID: Sample Date: Sample Depth (ft bls): Sample Type:	LF-TP-1		LF-TP-2		LF-TP-3		LF-TP-3A		LF-TP-4	
		B9-13-07		B9-27-18		B9-09-02		B9-09-19		B9-02-14	
		37600		37607		37600		37600		37599	
		4.0		4.0		4.0		4.0		4.0	
Aroclor-1016	10,000	27 U		1.7 U		2 U		1.7 U		1.7 U	
Aroclor-1221	10,000	24 U		1.6 U		1.8 U		1.5 U		1.6 U	
Aroclor-1232	10,000	28 U		1.8 U		2.1 U		1.8 U		1.8 U	
Aroclor-1242	10,000	29 U		1.9 U		2.1 U		1.8 U		1.9 U	
Aroclor-1248	10,000	19 U		3.3 U		3.7 U		170		3.3 U	
Aroclor-1254	10,000	31 U		46		2.6 U		260 M		44	
Aroclor-1260	10,000	27 U		1.8 U		2 U		77 M		28 M	
Total Aroclors	10,000	ND		46		ND		507		72	

Notes:

1 - Division Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, January 1994

FD - Field duplicate

ft bls - Feet below land surface

J - Result is an estimated value below the reporting limit

M - Manually integrated

N - Normal sample

ND - Not detected

NYSDEC - New York State Department of Environmental Conservation

RSCO - Recommended Soil Cleanup Objective

U - Not detected, method detection limit shown

µg/kg - Micrograms per kilogram

Table 8. Summary of PCBs Detected in Test Trench Grab Samples, Closed Landfill Investigation
BASF Corporation, Rensselaer, New York.

Analyte (Concentrations in µg/kg)	Sample Designation: Field Sample ID: Sample Date: Sample Depth (ft bls): Sample Type:	LF-TP-5	LF-TP-6	LF-TP-6	LF-TP-6	LF-TP-7	LF-TP-8
		NYSDEC	B9-04-23	B9-18-14	B9-18-23	B9-23-11	B9-29-25
		RSCOs ⁽¹⁾	19/09/02	37601	37601	37602	37607
		(µg/kg)	4.0	4.0	4.0	4.0	4.0
Aroclor-1016	10,000	60 U	52 U	23 U	1.9 U	1.7 U	1.7 U
Aroclor-1221	10,000	55 U	47 U	21 U	1.7 U	1.5 U	1.5 U
Aroclor-1232	10,000	63 U	54 U	24 U	2 U	1.7 U	1.7 U
Aroclor-1242	10,000	65 U	56 U	25 U	2 U	1.8 U	1.8 U
Aroclor-1248	10,000	44 U	38 U	17 U	1.4 U	3.1 U	3.1 U
Aroclor-1254	10,000	69 U	60 U	27 U	88	180 M	180 M
Aroclor-1260	10,000	62 U	54 U	24 U	250 M	41	41
Total Aroclors	10,000	ND	ND	ND	338	221	221

Notes:

1 - Division Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, January 1994

FD - Field duplicate

ft bls - Feet below land surface

J - Result is an estimated value below the reporting limit

M - Manually integrated

N - Normal sample

ND - Not detected

NYSDEC - New York State Department of Environmental Conservation

RSCO - Recommended Soil Cleanup Objective

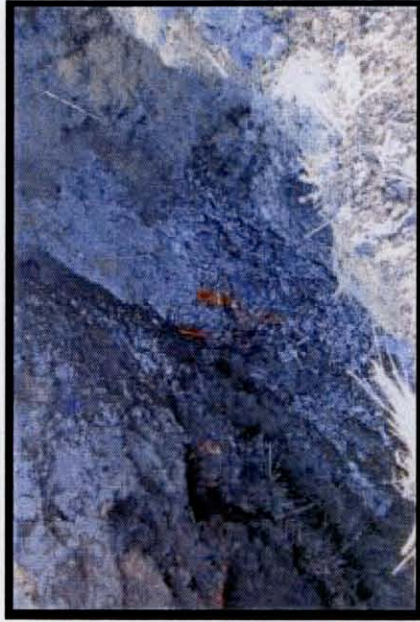
U - Not detected, method detection limit shown

µg/kg - Micrograms per kilogram

ATTACHMENT 2

Test Trench Photographs

TRENCH TP-1



IM000288



IM000289



IM000290

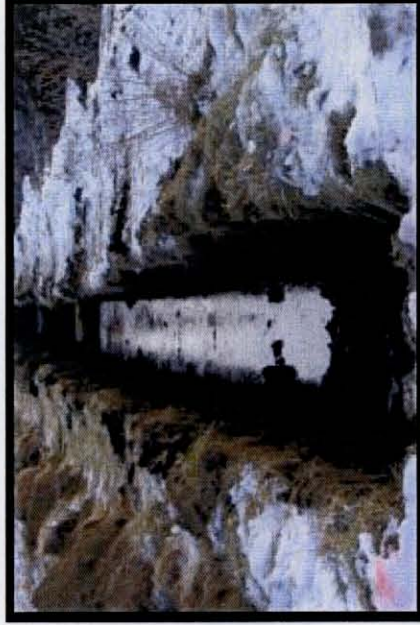


IM000291

TRENCH TP-1



IM000292



IM000293



IM000294

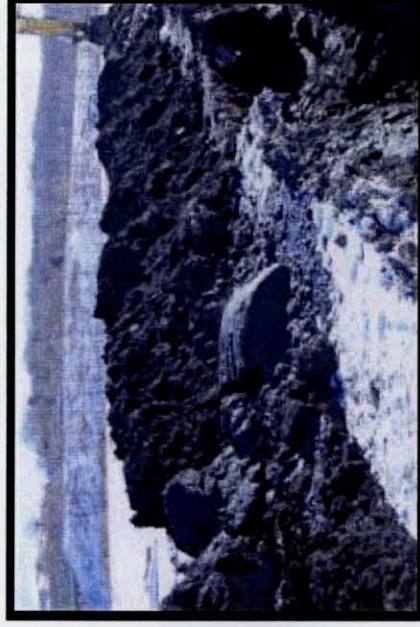


IM000295

TRENCH TP-2



IM000333



IM000333a



IM000333b

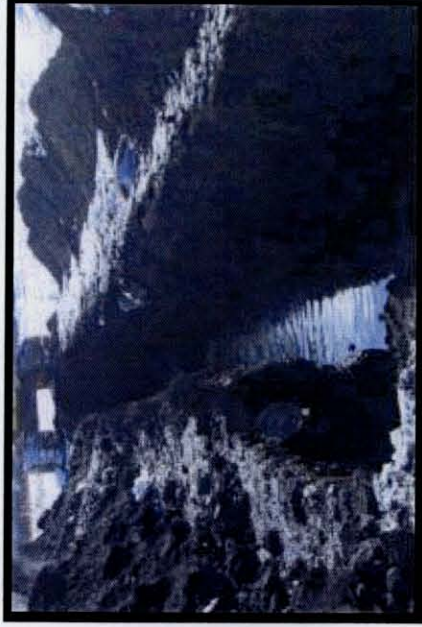


IM000334

TRENCH TP-2



IM000334a



IM000334b



IM000335



IM000335a

TRENCH TP-2



IM000335b



IM000336



IM000336a



IM000337

TRENCH TP-2



IM000338

TRENCH TP-3



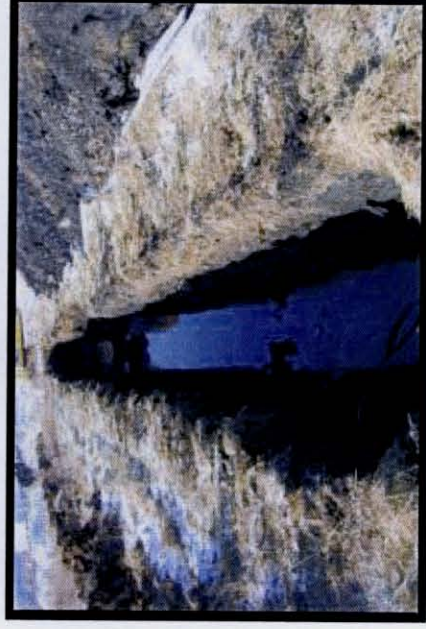
IM000285



IM000286



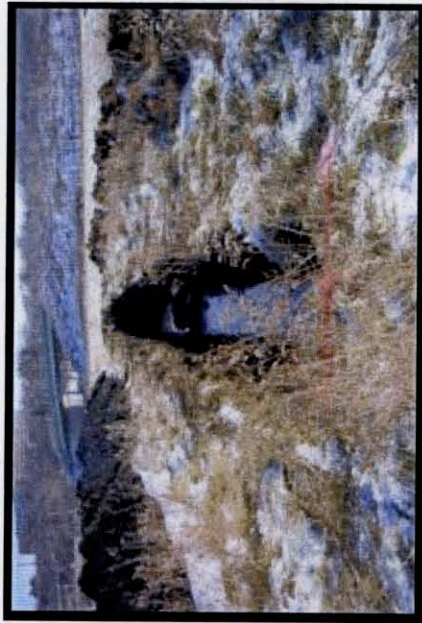
IM000287



IM000288

7

TRENCH TP-3



IM000288b



IM000289

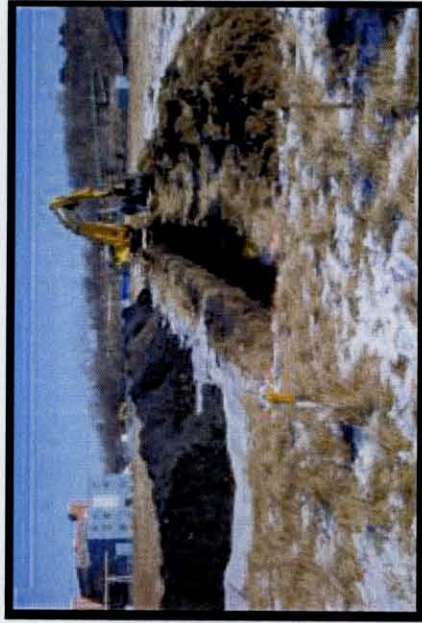


IM000290



IM000291

TRENCH TP-4



IM000271



IM000273



IM000276



IM000277

TRENCH TP-4



IM000278



IM000279



IM000280

ROUX ASSOCIATES, INC.

TRENCH TP-5



IM000281



IM000282



IM000283



IM000284

TRENCH TP-6



IM000298



IM000298a



IM000299



IM000299a

TRENCH TP-6



IM000300



IM000300a



IM000301

ROUX ASSOCIATES, INC.

TRENCH TP-7



IM000318



IM000319



IM000320



IM000320a

TRENCH TP-7



IM000321



IM000322



IM000323



IM000323a

TRENCH TP-7



IM000323b



IM000324



IM000324a



IM000325

TRENCH TP-7



IM000326



IM000327

TRENCH TP-8



IM000339



IM000339a



IM000339b



IM000340

TRENCH TP-8



IM000340a



IM000340b



IM000341

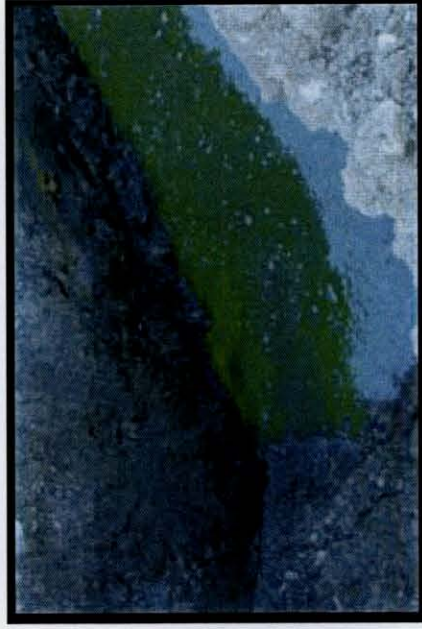


IM000341a

TRENCH TP-8



IM000342



IM000343

ATTACHMENT 3

Field Notes

66597

12/9/82	Diff	C. bath 25-40-50
0720	ch. 3 B	on 51-7
	Ray	clay is on 51-7
0820	Mike R. on 51-7	
	Weather	Sunny & like wind
	15°	will be 20°
0930	Begin ADYCA	Excavating 4-5-7-4 floor soil
		cap material on south side
		Clay on hill side of trench
	In West End of 7-4	
	soil cap is	18"-2'-4"
	water is at	5 feet
	6' and	clay is at
	3' BLS.	Fill (arrows)
	From 2' BLS	to 3' BLS
	Fill consists	of black
	soil-like material	bricks
	cream-debris	and other
	sorted debris	
		1

12/9/02	BASE	C. Battista 25/11/09
21050	Complete LF-TP-4	
4	at North End Soil cap is 15' - 2 feet thick	
6	Brown silt and clay plastic sheeting and debris	
8	(metal can lids drum lids) and drum Relics	
10130	Sample LF-TP-4	
12	approximately 20' from North End at 4' BLS	
14	under plastic sheeting and debris as 09-02-14	
16	Sample is F to C sand and Gravel some silt	
18	little Glass Flagg, Plastic Frags and ceramic debris	
20	PID= 1-1	
22 1200	offsite to lunch (Box Royal + 036)	
24		
1300	back on site.	
	2	

12/9/02	BASE	C. Battista 25/11/09
1330	Begin LF-TP-5	
	Andy C. he moves to Soil Cap and places material North of the Trench, at west end of Trench water is at 5' BLS soil cap is 1' thick clay is at 6' BLS	
	Clay is approx 2'-3' thick Layer of Grey Fine sand. Below soil cap and above sand is a 1'-2' thick layer of wood and debris, debris debris plastic sheeting.	
	"	← Soil Cap
	3	← Debris
		← Grey Fine sand
	Wet at 5' →	Grey to brown clay
	3.	

12/9/02 EAST C. Battista 25-11-09

2 AT approx 50' from west End of Trench clay sand becomes less constant and is a layer from 3-4 BL with debris above and below clay soil cap, and water level on East End, west End, and middle of Trench at same constant level. water level

14 AT Extreme East and west Ends of The Trench significant quantities of demolition debris are present (in blocks, concrete blocks below End)

16 1500 Sample LF-TP-5 from west End of Trench

18 09-04-23

20 P.D. = 3.1

22

24 -4-

12/9/02 EAST C. Battista 25-11-09

1600 Ray Crawford offsite Andy G. Will Backfill TP-4 and TP-5

Chris B. To Trailer to pack up samples

1800 Chris B. and Joan K Offsite.

5

12/10/02 BASF C. Battista 25/11/09

0650 Chris B. on site
Wendy S. is on site
Jason K. on site
Ray Crawford on site
Weather: Clear 5°
Will be 30° calm wind
and sunny.

0740 Chris B. to OBG Tower
to meet with Kevin K
and Wayne S.

0900 Chris B. Marks Out
LF-TP-3. With Ray C.

0910 Andy G. Removes
1 Foot Thick solid cap and
places it next to TP-3
on the south side of
TP-3 Below soil cap
dark brown to black soil
is present From 1'-5.5'.
Bls material gets darker
from 3'-5.5' Bls removed

6

12/10/02 BASF C. Battista 25/11/09

Mixed in with soil.
Both Clay and Vels
little water at 6' Bls
Floor of trench remains
dry clay A

Chris B. Instructs Andy
G. to dig into the
Clay to 9' Bls to
confirm true clay later
as was done in TP-5-
→ 6' clay is present to
9' Bls clay is moist.

Approx 1 meter 50' from
west end of trench
a solid mass of material
is encountered. In this
Area Jars (glass) and other
glassware is abundant
underneath solid mass
Trace white powder material
present. Solid mass
I approx 10-15' wide
East to west and 1 foot thick

7

12/10/02 BASF C. Battiste 25111409
 and begins at 4' BLS.
 AT approx 20' From East End of TP-3 significant water is encountered at 6-6.5' BLS. The water enters and fills the East half of the trench rapidly also significant resistance to digging is encountered in this area. Another semi saturated band of coarse gravel is present from 3.5-4 BLS in this area (ballast-like material) a grey clay like layer is present in the Eastern 1/4 of the trench separately the ballast from the debris below clay like layer is 1'-2' thick.

8

12/10/02 BASF C. Battiste 25111409
 2 1140 Sample white material located under solid mass at 50' from end of trench as requested by NYSDEC. 09-09-02 white material is removed by hand from solid chunk of concrete like material other debris (mostly Tars, pipes, bricks, etc) is present in the solid mass removed from North wall of TP-3 all debris is held within a concrete like matrix.
 1150 sample dark brown soil from 20 West of East End of TP-3 from 2' interval above the water table as 09-09-19

9

12/10/02 BASF C. Battistone 25/11/09

09-09-19 - Lithology
Dark Brown TOP
sand some gravel
little silt; moist to
wet. Trace glass (shards)
frag; PLO=00

09-09-02 - soft white to yellow
crumbly material; moist
fatty when smeared
PLO=11.3

1330 Chris B. and Ray C. mark
out LF-TP-1

1340 Andy & begins excavating
top 1' soil cap brown silt
and fine sand is staged east
of the trench

In north end of the trench
significant ground water
prevents excavation to

10

12/10/02 BASF C. Battistone 25/11/09

The clay layer just below
waste material is present
below the soil cap
along with wood and
large amounts of
glass jars. Water
is at 6' bgs and
immediately fills the
trench we excavate
to 9' bgs no clay
is observed

approximately 30'
from north end we dig
to 11' we have reached
the water in trench
end of trench and
christie and Ray C.
identify grey clay at
7.5' bgs.

As we continue southward
glassware becomes
extremely abundant

11

12/10/02 BAF C. Battista 25/11/09

Pockets of tars (as much as 15-20') in diameter) are common. We are digging to 8' b/c water is at 6" b/c wood debris and bark brown to black soil is also common. at 50' from North End bright pink and orange water is spraying in from side walls of the trench.

Condition in the trench remain the same to the End.

1430 Chris B. speaks with Nathan E. We decide to extend the trench

1520 Trench has been extended to 145 ft long. Extended 45 to the South.

12

12/10/02 BAF C. Battista 25/11/09

21550 Sample collected from West wall of trench approx 70' from North End from 2' interval ~~above~~ above the water Table as 09-13-07

8 Sample is purple clay-like material with little sand. lighter when agitated. ~~off-gas~~ off-gas 11k odor. PID = 4.6

1600 Perform field blank as 09-13-15

18 While taking the sample from LF-TF-1 The West wall of the trench collapsed causing the left track of the machine to fall into the excavation (The machine was straddling the trench south of the

13

c. Battista
25/11/09

BASF

12/10/02

sample location. The
cab of the machine
was damaged when it
contacted the ground
and several windows
were broken. The
operator (Andy G.) was
uninjured.

OBG excavated the
East wall of the trench
underneath the right
track of the damaged
machine with another
excavator allowing the
damaged machine to sit
level on the bottom of
the excavation. Then
the second excavator
was used to help pull
the damaged machine
from LF-TP-1.

while damaged machine
was being removed

14

c. Battista
25/11/11

BASF

12/10/02

from LF-TP-1 Mike G.
Has dred the Volvo payload
to back fill CF-TP-3
and TP-1.

15

12/11/02	BA5F	25/11/09
0700	Chris B. on site Jason K + Wendy S. are on site OBC + Kayak + Keller + NYSDE (Kays.) are on site	
	Waiting for confirmation from Nathan E. on when to begin next TPT pit.	
1100	Chris B. Marks out LF-TP-6 25' south of LF-TP-5 Trench (TP-6) Will be 55' long and Will End FF North of GCS-MW-15.	
	Andy G. Removes Frozen TOP 1 foot of soil cap and places it East of the Excavation	
	Plastic sheeting is Laid out West of the Trench	16.

12/11/02	BA 5F	C. Battista 25/11/11
	For other Excavated material	
1200	Break for lunch	
1340	Back to TP-6 From South to North very little water is present in excavation little water penetrates the sidewalls at 6' BLS clay is at 6.5 BLS	
	Grey silt and fine sand layer is present throughout the trench from 1-2' BLS to 6-6.5' BLS. a 4"-6" band of dark brown a top sand soil is present below the soil cap and above the grey sand.	
1430	Trench is complete on small padlock is present at the south end	17

12/11/02	BASF	C. Battaglia 25/11/09
2	no other water is present in the trench.	
4	no odors are present	
61510	Ray C. off site.	
81530	collect sample of fine sand and silt and brown to black glass or ceramic like fragments from 30' north of south end of trench. as 09-18-14 as requested By Ray C (VRS/EC)	
16	collect matrix spike and matrix spike duplicate samples as 09-18-14 MS	
20	and 09-18-14 MSD Respectively. PID=92.8	
221550	collect CF TP-6 Duplicate sample as ~~09-18-14~~	
24	09-18-23	

18

12/11/02	BASF	C. Battaglia 25/11/09
----------	------	--------------------------

19

12/12/02 BA SF c. Battista 25-11-09

0720 Chris Battista on site
Wendy S. and Jason K
on site.
Ray C. OBG and Royal
are on site.

Weather Cloudy drizzle
6" fresh snow 35°

1000 Mark out and remove
snow from LF TP-7
Trench will be 125'
long.

Soil cap is approx 2-2.5'
thick 1 ft of silt and
BC to F sand - 1.5' of
clay (brown matrix) below
sand and silt.

1040 Below Soil Cap Numerous
rotted beams and metal debris
is present along with plastic
sheeting and wood

20

12/12/02 BA SF c. Battista 25-11-09

Debris significant H/C odors
are present. PID values
in work area as high
as 7.2 sustained
Readings begin between
2.0 and 4.0 water
in excavation is at
4.5' BIS clay at
approx 8' BIS

1055 Chris B. Stops work
to allow vapors to
disperse And 16
Dones Half Face Respirator

1120 Resume work and
continue monitoring
for VOC Continue
to remove large quantities
of drums and glass
Jars odors are intermittent
PID remains below 1.0

1150 Break for lunch.

21

12/12/02	BA SF	C. Battistera 25/11/09	12/12/02	BA SF	C. Battistera 25/11/07
1340	back to TP-7		1520	Complete	LF-TP-7
1410	as we progress pit 54		4	Speak to Ray C and Nathan E.	They say
	The midpoint of the trench contains remnants of water remain throughout		6	that a composite sample of the material excavated from TP-7 should be obtained.	prior to backfilling
	Water table is 5'-5" - 6' b/s at midpoint		10		
	Soil cap is 3'-4" thick with 1' of dark brown soil (cto F sand and gravel some silt)		1550	Chris B. Samples	
	Beneath cap, clay is never visible w/ EX-100 to 10' b/s		12	LF-TP-7	stock pile as
	Drum debris (both metal and plastic) cap @ 10' very numerous		14	09-23-11	VOC Jar is a grab sample
	a layer of Drums is present from 5'-6' b/s to at least 8'-10' b/s		16	PID = 18.4	sample is wet
	Strong vinegar odor is present		18	Dark brown to black and bright blue cto F sand, some silt, some gravel, little broken glass, ceramic splinters, (wood) metal debris, clay like material (blue) that liquifies when agitated.	
	PID = 0.30 with spikes to 5.8		20		
			22		
			24		
					23

12/13/02	BASF	C. Battaglia 25/11/09	12/17/02	BASF	C. Battaglia 25/11/09
	ONE Excavator was used with operator for 10 hours today an addition Excavator was used for 1 hour to Back fill.		0700	chis b on site @ Kelly H on site w end Y Shea. On site 096 + Royal are on site	
			0730		
				Weather: Sunny No wind 10-20 14° will be 20°	
			0800	chis b. Marks out LF - TP-2 part of stock pile Area 9A-2-b must be moved to allow for trenching	
			0900	EXCavation from 8-12 bls clay at 8.5 will keep grade of clay. Mopping from North west to South East slight petroleum odor. And sulfur-like O'Ganic odor. Heat is Elevated from 8 bls at North End	
					25

12/17/62 BAST C. Battista 25-11-809

Of Excavation
 pocket of water at
 4.5-6" water table
 at 6.5' BLS
 Soil cap on Trench
 is 0.5' - 1.0' thick.
 Midway through the Trench
 peat layer is 0.5' thick
 From 6.5' - 7.0' BLS
 with Fine - medium sand
 layer (dark brown to black)
 From 7.5' - 7.5' Clay of
 7.5' - 8' BLS
 From 1.5' - 2' BLS is
 layer of dark brown to
 black clay of sand and
 gravel some silt - red
 Fine sand from 2.5' BLS.

at North End of Trench
 a very wet pocket of
 black fine sand. Was damped
 up to hold back water.
 Trench has little water.

12/17/62 BAST C. Battista 25-11-809

2 until we are 70'
 From North End where
 another very wet pocket
 of sand and gravel is
 encountered at 4.5' - 5.0'
 BLS. Significant amounts
 of brick and cobble
 (fractured rock) are present
 in this area

1040 - North End of Trench
 side walls are collapsing
 into the trench.

161100 Trench is complete

181150 sample LF-TP-2 15'
 From South End as
 09-27-18

1200 Block off site to work
 1240 Back on site
 24

12/17/02 C. Battista 25111809
 1330 Chris B. and Karla H.
 mark out LF-TP-8
 as directed by Ray C.
 (N150E)
 Trench will be 100' long
 East/West From PZ
 West of PZ-11
 at North End of Trench
 Water is at 6.0' BLS clay
 is at 6.5' BLS.
 Soil Cap Tapers Down
 from 2' Thick at East End
 of Trench to Not Present
 at West End.
 We are digging from East to West
 for fill. 40 feet dark brown
 to black soil and some debris
 is present from 2' BLS - 6.5'
 BLS at 30' from End of
 Trench some plastic and
 trash (can bottles) is present.
 28

12/17/02 C. Battista 25111809
 BAF
 at 40' from East
 End purple stained
 material (some debris) and
 plastic is present along
 with metal pipe conduits
 and drum fragments
 mixed with soil.
 conditions remain as
 such until we reach
 the west End of the
 Trench.
 at the west End of
 the trench green water
 is entering the trench
 as we dig water enters
 at a steady moderate
 rate from start to
 finish.
 1620 sample LF-TP-8 15-feet
 from the west End
 of the trench as
 09-29-25
 29

ATTACHMENT 4

Laboratory Data Sheets

ANALYTICAL REPORT

JOB NUMBER: 202673

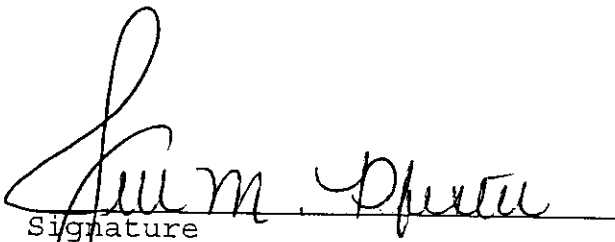
Prepared For:

ROUX ASSOCIATES
1377 Motor Parkway
Islandia, NY 11749

Project: BASF

Attention: Mike Roux

Date: 01/02/2003


Signature

Name: Jill M. Pfister

Title: Project Manager

E-Mail: jpfister@stl-inc.com


Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (37) Pages

STL Report : 202673
ROUX ASSOICATES - BASF

00001

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Organic Extraction - Samples were extracted according to methods 3541/3550B/3510C. Samples for 8082 analysis were cleaned-up using procedures outlined in method 3665A (acid clean-up). No problems were encountered.

Polychlorinated Biphenyls (PCB's) - PCB samples were analyzed by GC/ECD using guidance provided in Method 8082. The instrumentation used was a Hewlett-Packard Gas Chromatograph equipped with an Electron Capture Detector (Ni63).

Samples were sulfur cleaned up prior to analysis.

The extract for sample 09-04-23 was extremely dark. It was necessary to dilute the sample 1:5 in order to perform acid cleanup on the sample. The 1:5 acid cleaned up portion was then diluted another 1:5, (total now 1:25), because the extract was still very dark in color. The sample could not be run at a lower dilution without causing possible damage to the column or detector.

The Aroclor 1254 detected in sample 09-02-14 was reported from the DB-1701 column. There was more matrix interference present on the RTX-35 column.

The surrogate, decachlorobiphenyl, shifted just outside of retention time windows in sample 09-02-14, and the AR16603 injected on the RTX-35 column on 12/17/02 at 17:07. This shift was taken into consideration when samples were reviewed for target compounds.

Manual integrations were performed if required, and any affected peaks were designated with an "M" on the quantitation report. Manual integrations were initialed by the analyst that performed the integration.

Sample Calculation:

Sample ID -12643-2LCS

Compound – Aroclor 1260 peak at retention time 14.47 on the DB-1701 column.

(10843418area)(10000ul) =153ug/kg

(23574905.5area/ng)(30g)(1ul)

Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. No analytical problems were encountered.

Analyte	Method	Reference
Cyanide-Total	9012	1
Hexavalent Chromium	3500-CrD	2

References:

1. Test Methods for the Evaluation of Solid Waste, SW846, 3rd ed., 1986.
2. Standard Methods for the Examination of Water and Wastewater, 18th edition, 1992.

Semi-Volatile Organics - Semi-volatile organic samples were analyzed by capillary GC/MS according to NYSDEC Protocols using guidance provided in Method 8270C. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

A 2ul injection was used for all samples and standards. The instrument was calibrated at 10ng/ul (20 ng), 25 ng/ul(50 ng), 40ng/ul(80ng), 60ng/ul(120ng) and 80ng/ul(160ng). Internal standards were added to all samples and standards were at 20ng/ul(40ng).

The spike recovery for the compound 2,4,5-trichlorophenol was below recovery limits for 12576-2LCS.

The intact samples were analyzed at dilutions due to the sample matrix (viscous extracts). Sample 09-02-14 was run at a 1:2 dilution and 09-04-23 at a 1:4 dilution.

For the leachates, the target compounds 3-methylphenol and 4-methylphenol cannot be chromatographically separated. The isomers are reported as a total concentration of 4-methylphenol.

Sample Calculation:

Sample ID - 09-04-23
Compound - pyrene

$$\frac{(53560)(40)(1000)(4.0)}{(336424)(1.207)(2.0)(15.4)(.565)} = 1212 = 1200 \text{ ug/kg}$$

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 1311/5030B/8260B. The instrumentation used was a Tekmar Model 2000/2016/3000 Concentrator/Archon 4552 autosampler interfaced with a Hewlett Packard Model 5970A/5972A GC/MS/DS.

The spike compound percent recoveries were within the laboratory generated guidelines in the independent source quality control samples (020PPB_QCS).

Samples 09-02-14 and 09-04-23 were analyzed at straight and 1:50 dilutions, respectively, as medium level soils due to high target compound concentrations.

The TCLP sample 09-04-23 was analyzed at a 1:200 dilution due to a target compound concentration.

Sample Calculation:

Sample ID-09-04-23
Compound-Chlorobenzene

$$\frac{(3839243)(125)(200)}{(1006157)(.979)(5)} = 19487 = 19,000 \text{ ug/L} = 19 \text{ mg/L.}$$

Metals - Samples were analyzed for metals using guidance found in SW-846 Methods 6010B and 7470A/7471A. The following items were noted.

Batch QC was supplied for this SDG. The duplicate analysis for copper and nickel were just outside the 20% RPD criteria at 24.8 and 22.6% RPD respectively. Several metals exhibited poor matrix spike recoveries. They were as follows:

Arsenic	60%	Selenium	213%
Cadmium	66%	Zinc	65%
Chromium	184%		

A post-digest spike for these metals recovered in criteria, suggesting a sample matrix effect as the likely cause.

No other problems noted.

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 the case narrative.

00004

SAMPLE INFORMATION

Date: 01/02/2003

Job Number.: 202673
Customer...: ROUX ASSOCIATES
Attn.....: Mike Roux

Project Number.....: 20000271
Customer Project ID....: BASF
Project Description....: BASF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
202673-1	09-02-14	Soil	12/09/2002	11:30	12/10/2002	10:15
202673-2	09-04-23	Soil	12/09/2002	15:00	12/10/2002	10:15
202673-3	TB120902	Groundwater	12/09/2002	00:00	12/10/2002	10:15

Job Number: 202673

LABORATORY TEST RESULTS

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-02-14
Date Sampled.....: 12/09/2002
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-1
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics	ND	U		85	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Chloromethane, High/Med Level*	ND	U		130	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Vinyl chloride, High/Med Level*	ND	U		130	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Bromomethane, High/Med Level*	ND	U		90	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Chloroethane, High/Med Level*	ND	U		42	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	1,1-Dichloroethane, High/Med Level*	56	U		5	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Carbon disulfide, High/Med Level*	1700	J		1600	1600	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Acetone, High/Med Level*	ND	U		160	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Methylene chloride, High/Med Level*	ND	U		74	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	1,1-Dichloroethane, High/Med Level*	ND	U		240	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Vinyl acetate, High/Med Level*	ND	U		240	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	2-Butanone (MEK), High/Med Level*	ND	U		180	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Chloroform, High/Med Level*	ND	U		77	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	1,1,1-Trichloroethane, High/Med Level*	ND	U		90	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Carbon tetrachloride, High/Med Level*	ND	U		56	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	1,2-Dichloroethane (total), High/Med Level*	1200	U		170	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Benzene, High/Med Level*	ND	U		39	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	1,2-Dichloroethane, High/Med Level*	ND	U		37	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Trichloroethane, High/Med Level*	ND	U		55	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Bromodichloromethane, High/Med Level*	ND	U		51	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	cis-1,3-Dichloropropene, High/Med Level*	ND	U		270	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	4-Methyl-2-pentanone (MIBK), High/Med Level*	630	U		110	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Toluene, High/Med Level*	7100	U		49	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	trans-1,3-Dichloropropene, High/Med Level*	ND	U		52	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	1,1,2-Trichloroethane, High/Med Level*	ND	U		120	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Tetrachloroethene, High/Med Level*	ND	U		220	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	2-Hexanone, High/Med Level*	ND	U		56	630	1.00000	ug/Kg	12781		12/11/02 12:16	pam
	Dibromochloromethane, High/Med Level*	ND	U						12781		12/11/02 12:16	pam

* In Description = Dry Wgt.

Page 2

000005

LABORATORY TEST RESULTS

Job Number: 202673

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-02-14
Date Sampled.....: 12/09/2002
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-1
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	PLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	Chlorobenzene, High/Med Level*	1500			99	630	1.00000	ug/Kg	12781		12/11/02	1216 pam
	Ethylbenzene, High/Med Level*	1400			95	630	1.00000	ug/Kg	12781		12/11/02	1216 pam
	Styrene, High/Med Level*	ND	U		96	630	1.00000	ug/Kg	12781		12/11/02	1216 pam
	Bromoform, High/Med Level*	ND	U		60	630	1.00000	ug/Kg	12781		12/11/02	1216 pam
	1,1,2,2-Tetrachloroethane, High/Med Level*	6400			110	630	1.00000	ug/Kg	12781		12/11/02	1216 pam
	Xylenes (total), High/Med Level*			M	330	630	1.00000	ug/Kg	12781		12/11/02	1216 pam
	1,3-Dichlorobenzene, High/Med Level*	ND	U		110	630	1.00000	ug/Kg	12781		12/11/02	1216 pam
	1,4-Dichlorobenzene, High/Med Level*	ND	U		130	630	1.00000	ug/Kg	12781		12/11/02	1216 pam
	1,2-Dichlorobenzene, High/Med Level*	ND	U		110	630	1.00000	ug/Kg	12781		12/11/02	1216 pam
	1,2,4-Trichlorobenzene, High/Med Level*	770			630	630	1.00000	ug/Kg	12781		12/11/02	1216 pam
8260B	% Solids, Solid	79.7			0.10	0.10	1	%	12661		12/13/02	0000 dwh
	% Moisture, Solid	20.3			0.10	0.10	1	%	12661		12/13/02	0000 dwh
	Volatiles Organics (5mL Purge)											
	Vinyl chloride, TCLP	ND	U		0.0003	0.005	1.00000	mg/L	12903		12/19/02	1524 pam
	1,1-Dichloroethene, TCLP	ND	U		0.0006	0.005	1.00000	mg/L	12903		12/19/02	1524 pam
	2-Butanone (MEK), TCLP	0.011			0.0004	0.010	1.00000	mg/L	12903		12/19/02	1524 pam
	Chloroform, TCLP	ND	U		0.0002	0.005	1.00000	mg/L	12903		12/19/02	1524 pam
	Carbon tetrachloride, TCLP	ND	U		0.0002	0.005	1.00000	mg/L	12903		12/19/02	1524 pam
	Benzene, TCLP	0.059			0.0003	0.005	1.00000	mg/L	12903		12/19/02	1524 pam
	1,2-Dichloroethane, TCLP	0.014			0.0003	0.005	1.00000	mg/L	12903		12/19/02	1524 pam
	Trichloroethene, TCLP	ND	U		0.0008	0.005	1.00000	mg/L	12903		12/19/02	1524 pam
	Tetrachloroethene, TCLP	ND	U		0.0003	0.005	1.00000	mg/L	12903		12/19/02	1524 pam
	Chlorobenzene, TCLP	0.01			0.0002	0.005	1.00000	mg/L	12903		12/19/02	1524 pam

00006

* In Description = Dry Wgt.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

09-02-14

00007

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202673 SAS No.:

SDG No.: 202673

Matrix: (soil/water) SOIL

Lab Sample ID: 202673-1

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: T9854

Level: (low/med) MED

Date Received: 12/10/02

% Moisture: not dec. 20

Date Analyzed: 12/11/02

GC Column: RTX-VMS ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALKANE	7.48	780	J
2. 611-14-3	BENZENE, 1-ETHYL-2-METHYL-	16.60	500	NJ
3. 620-14-4	BENZENE, 1-ETHYL-3-METHYL-	16.76	560	NJ
4. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	17.45	1300	NJ
5.	UNKNOWN	18.45	410	J
6.	UNKNOWN	20.34	380	J
7.	UNKNOWN	22.47	1800	J
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Job Number: 202673

LABORATORY TEST RESULTS

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-04-23
Date Sampled.....: 12/09/2002
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-2
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics	ND	U	6000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Chloromethane, High/Med Level*	ND	U	9300	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Vinyl chloride, High/Med Level*	ND	U	9300	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Bromomethane, High/Med Level*	ND	U	6300	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Chloroethane, High/Med Level*	ND	U	3000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,1-Dichloroethane, High/Med Level*	ND	U	350	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Carbon disulfide, High/Med Level*	ND	U	110000	110000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Acetone, High/Med Level*	ND	U	11000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Methylene chloride, High/Med Level*	ND	U	5200	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,1-Dichloroethane, High/Med Level*	ND	U	17000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Vinyl acetate, High/Med Level*	ND	U	17000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	2-Butanone (MEK), High/Med Level*	ND	U	13000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Chloroform, High/Med Level*	ND	U	5400	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,1,1-Trichloroethane, High/Med Level*	ND	U	5500	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Carbon tetrachloride, High/Med Level*	ND	U	6300	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,2-Dichloroethane (total), High/Med Level*	ND	U	3900	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Benzene, High/Med Level*	ND	U	12000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,2-Dichloroethane, High/Med Level*	ND	U	2800	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Trichloroethene, High/Med Level*	ND	U	2600	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,2-Dichloropropane, High/Med Level*	ND	U	3900	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Bromodichloromethane, High/Med Level*	ND	U	3600	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	cis-1,3-Dichloropropene, High/Med Level*	ND	U	19000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	4-Methyl-2-pentanone (MIBK), High/Med Level*	ND	U	7700	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Toluene, High/Med Level*	ND	U	3400	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	trans-1,3-Dichloropropene, High/Med Level*	ND	U	3600	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,1,2-Trichloroethane, High/Med Level*	ND	U	8800	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Tetrachloroethene, High/Med Level*	ND	U	16000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	2-Hexanone, High/Med Level*	ND	U	3900	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Dibromochloromethane, High/Med Level*	ND	U					12781		12/11/02 1550	pam

* In Description = Dry Wgt.

Page 4

000008

Job Number: 202673

LABORATORY TEST RESULTS

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-04-23
 Date Sampled.....: 12/09/2002
 Time Sampled.....: 15:00
 Sample Matrix.....: Soil

Laboratory Sample ID: 202673-2
 Date Received.....: 12/10/2002
 Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	Chlorobenzene, High/Med Level*	940000	U		7000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Ethylbenzene, High/Med Level*	ND	U		6700	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Styrene, High/Med Level*	ND	U		6700	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Bromoform, High/Med Level*	ND	U		4200	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,1,2,2-Tetrachloroethane, High/Med Level*	ND	U		7700	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	Xylenes (total), High/Med Level*	ND	U		23000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,3-Dichlorobenzene, High/Med Level*	ND	U		7500	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,4-Dichlorobenzene, High/Med Level*	ND	U		9100	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,2-Dichlorobenzene, High/Med Level*	34000	U		7900	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	1,2,4-Trichlorobenzene, High/Med Level*	ND	U		44000	44000	50.00000	ug/Kg	12781		12/11/02 1550	pam
	% Solids, Solid	56.5			0.10	0.10	1	%	12661		12/13/02 0000	duh
	% Moisture, Solid	43.5			0.10	0.10	1	%	12661		12/13/02 0000	duh
	Volatiles Organics (5mL Purge)	ND	U		0.060	1.0	200.0000	mg/L	12903		12/19/02 1315	pam
	Vinyl chloride, TCLP	ND	U		0.12	1.0	200.0000	mg/L	12903		12/19/02 1315	pam
82608	1,1-Dichloroethene, TCLP	ND	U		0.080	2.0	200.0000	mg/L	12903		12/19/02 1315	pam
	2-Butanone (MEK), TCLP	ND	U		0.040	1.0	200.0000	mg/L	12903		12/19/02 1315	pam
	Chloroform, TCLP	ND	U		0.040	1.0	200.0000	mg/L	12903		12/19/02 1315	pam
	Carbon tetrachloride, TCLP	ND	U		0.060	1.0	200.0000	mg/L	12903		12/19/02 1315	pam
	Benzene, TCLP	ND	U		0.060	1.0	200.0000	mg/L	12903		12/19/02 1315	pam
	1,2-Dichloroethane, TCLP	ND	U		0.16	1.0	200.0000	mg/L	12903		12/19/02 1315	pam
	Trichloroethene, TCLP	ND	U		0.060	1.0	200.0000	mg/L	12903		12/19/02 1315	pam
	Tetrachloroethene, TCLP	ND	U		0.060	1.0	200.0000	mg/L	12903		12/19/02 1315	pam
	Chlorobenzene, TCLP	19	U		0.040	1.0	200.0000	mg/L	12903		12/19/02 1315	pam

* In Description = Dry Wgt.

Page 5

00009

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
00010

Lab Name: STL/CT

Contract:

09-04-23

Lab Code: STLCT

Case No.: 202673 SAS No.:

SDG No.: 202673

Matrix: (soil/water) SOIL

Lab Sample ID: 202673-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: T9860

Level: (low/med) MED

Date Received: 12/10/02

% Moisture: not dec. 44

Date Analyzed: 12/11/02

GC Column: RTX-VMS ID: 0.25 (mm)

Dilution Factor: 50.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	15.95	26000	J
2.	UNKNOWN	20.43	46000	J
3.	UNKNOWN	20.84	36000	J
4. 629-50-5	TRIDECANE	21.59	26000	NJ
5.	UNKNOWN	22.55	33000	J
6.	UNKNOWN	23.56	41000	J
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

LABORATORY TEST RESULTS

Job Number: 202673

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: TB120902
Date Sampled.....: 12/09/2002
Time Sampled.....: 00:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202673-3
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND	U		0.9	5	1.00000	ug/L	12713		12/12/02	1540
	Chloromethane	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	Vinyl chloride	ND	U		2	5	1.00000	ug/L	12713		12/12/02	1540
	Bromomethane	ND	U		4	5	1.00000	ug/L	12713		12/12/02	1540
	Chloroethane	ND	U		0.6	5	1.00000	ug/L	12713		12/12/02	1540
	1,1-Dichloroethene	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	Carbon disulfide	ND	U		0.9	10	1.00000	ug/L	12713		12/12/02	1540
	Acetone	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02	1540
	Methylene chloride	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	trans-1,2-Dichloroethene	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	1,1-Dichloroethane	ND	U		0.7	5	1.00000	ug/L	12713		12/12/02	1540
	Vinyl acetate	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	cis-1,2-Dichloroethene	ND	U		0.4	10	1.00000	ug/L	12713		12/12/02	1540
	2-Butanone (MEK)	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02	1540
	Chloroform	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02	1540
	1,1,1-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	Carbon tetrachloride	ND	U		0.8	5	1.00000	ug/L	12713		12/12/02	1540
	Benzene	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	Trichloroethene	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02	1540
	1,2-Dichloropropane	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	Bromodichloromethane	ND	U		0.4	10	1.00000	ug/L	12713		12/12/02	1540
	cis-1,3-Dichloropropene	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	4-Methyl-2-pentanone (MIBK)	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	Toluene	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02	1540
	trans-1,3-Dichloropropene	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02	1540
	1,1,2-Trichloroethane	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	Tetrachloroethene	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02	1540
	2-Hexanone	ND	U		0.8	10	1.00000	ug/L	12713		12/12/02	1540

* In Description = Dry Wgt.

00011

LABORATORY TEST RESULTS

Job Number: 202673

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 18120902
Date Sampled.....: 12/09/2002
Time Sampled.....: 00:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202673-3
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02 1540	pam
	Chlorobenzene	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02 1540	pam
	Ethylbenzene	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02 1540	pam
	Styrene	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02 1540	pam
	Bromoform	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02 1540	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02 1540	pam
	Xylenes (total)	ND	U		0.5	5	1.00000	ug/L	12713		12/12/02 1540	pam
	1,3-Dichlorobenzene	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02 1540	pam
	1,4-Dichlorobenzene	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02 1540	pam
	1,2-Dichlorobenzene	ND	U		0.2	5	1.00000	ug/L	12713		12/12/02 1540	pam
	1,2,4-Trichlorobenzene	ND	U		0.3	5	1.00000	ug/L	12713		12/12/02 1540	pam

* In Description = Dry Wgt.

Page 7

00012

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. 00013

Lab Name: STL/CT

Contract:

TB120902

Lab Code: STLCT

Case No.: 202673 SAS No.:

SDG No.: 202673

Matrix: (soil/water) WATER

Lab Sample ID: 202673-3

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: K3121

Level: (low/med) LOW

Date Received: 12/10/02

% Moisture: not dec. _____

Date Analyzed: 12/12/02

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

LABORATORY TEST RESULTS

Job Number: 202673

Date: 12/29/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-02-14
 Date Sampled.....: 12/09/2002
 Time Sampled.....: 11:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 202673-1
 Date Received.....: 12/10/2002
 Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	79.7			0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	20.3			0.10	0.10	1	%	12661		12/13/02 0000	dwh
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		120	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Bis(2-chloroethyl)ether, Solid*	ND	U		500	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	n-Nitroso-di-n-propylamine, Solid*	ND	U		68	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Hexachloroethane, Solid*	ND	U		100	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Nitrobenzene, Solid*	ND	U		120	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Bis(2-chloroethoxy)methane, Solid*	ND	U		68	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Isophorone, Solid*	ND	U		110	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Hexachlorobutadiene, Solid*	ND	U		160	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Naphthalene, Solid*	820	J		160	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	2,4,5-Trichlorophenol, Solid*	ND	U		49	7800	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Hexachlorocyclopentadiene, Solid*	ND	U		220	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	2-Methylnaphthalene, Solid*	ND	U		140	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	2-Nitroaniline, Solid*	ND	U		110	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	2-Chloronaphthalene, Solid*	ND	U		92	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	2,6-Dinitrotoluene, Solid*	ND	U		68	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	3-Nitroaniline, Solid*	ND	U		87	7800	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Dimethyl phthalate, Solid*	ND	U		73	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Acenaphthylene, Solid*	ND	U		53	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	2,4-Dinitrotoluene, Solid*	ND	U		92	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Acenaphthene, Solid*	8000	J		73	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Dibenzofuran, Solid*	320	U		73	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	4-Nitrophenol, Solid*	ND	J		410	7800	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	Fluorene, Solid*	220	J		97	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdwh
	4-Nitroaniline, Solid*	ND	U		120	3200	2.00000	ug/Kg	13048		12/17/02 1715	jdwh

* In Description = Dry Wgt.

Page 2

00014

LABORATORY TEST RESULTS

Job Number: 202673

Date: 12/29/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-02-14
Date Sampled.....: 12/09/2002
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-1
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Bromophenyl phenyl ether, Solid*	ND	U		63	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Hexachlorobenzene, Solid*	ND	U		92	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Diethyl phthalate, Solid*	ND	U		83	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	4-Chlorophenyl phenyl ether, Solid*	ND	U		78	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Pentachlorophenol, Solid*	ND	U		210	7800	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	n-Nitrosodiphenylamine, Solid*	780	J		78	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Phenanthrene, Solid*	1100	J		120	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Anthracene, Solid*	120	J		58	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Di-n-butyl phthalate, Solid*	ND	U		68	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Fluoranthene, Solid*	1000	J		110	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Pyrene, Solid*	810	J		92	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Butyl benzyl phthalate, Solid*	ND	U		63	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Benzo(a)anthracene, Solid*	350	J		73	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Chrysene, Solid*	680	J		83	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		170	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Di-n-octyl phthalate, Solid*	ND	U		58	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Benzo(b)fluoranthene, Solid*	320	J	M	180	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Benzo(k)fluoranthene, Solid*	320	J	M	190	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Benzo(a)pyrene, Solid*	350	J		78	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Indeno(1,2,3-cd)pyrene, Solid*	170	J		87	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Dibenzo(a,h)anthracene, Solid*	ND	U		87	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Benzo(ghi)perylene, Solid*	140	J		83	1600	2.00000	ug/Kg	13048		12/17/02 1715	jdW
	Pyridine, TCLP	ND	U		0.009	0.040	1.00000	mg/L	13049		12/13/02 2013	jdW
	1,4-Dichlorobenzene, TCLP	ND	U		0.0004	20	1.00000	mg/L	13049		12/13/02 2013	jdW
	2-Methylphenol, TCLP	ND	U		0.0006	20	1.00000	mg/L	13049		12/13/02 2013	jdW
	Hexachloroethane, TCLP	ND	U		0.0008	20	1.00000	mg/L	13049		12/13/02 2013	jdW
	4-Methylphenol, TCLP	0.003	J		0.001	20	1.00000	mg/L	13049		12/13/02 2013	jdW
	Nitrobenzene, TCLP	ND	U		0.0006	20	1.00000	mg/L	13049		12/13/02 2013	jdW
	Hexachlorobutadiene, TCLP	ND	U		0.001	20	1.00000	mg/L	13049		12/13/02 2013	jdW

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202673

Date: 12/29/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-02-14
Date Sampled.....: 12/09/2002
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-1
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,4,6-Trichlorophenol, TCLP	ND	U	0.0008	20	1.00000	mg/L	13049		12/13/02 2013	jdW
	2,4,5-Trichlorophenol, TCLP	ND	U	0.0006	100	1.00000	mg/L	13049		12/13/02 2013	jdW
	Hexachlorobenzene, TCLP	ND	U	0.001	20	1.00000	mg/L	13049		12/13/02 2013	jdW
	Pentachlorophenol, TCLP	ND	U	0.005	100	1.00000	mg/L	13049		12/13/02 2013	jdW

* In Description = Dry Wgt.

Page 4

00016

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

00017

Lab Name: STL-CT

Contract:

09-02-14

Lab Code: STLCT

Case No.: 202673 SAS No.:

SDG No.: 202673

Matrix: (soil/water) SOIL

Lab Sample ID: 202673-1

Sample wt/vol: 15.5 (g/mL) G

Lab File ID: Q6850

Level: (low/med) LOW

Date Received: 12/10/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N

pH:

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.65	6700	J
2.	ALDOL CONDENSATION PRODUCT	2.92	100000	JAB
3. 62-53-3	ANILINE	4.00	13000	NJ
4.	UNKNOWN C11H13NO ISOMER	6.76	13000	J
5.	UNKNOWN	7.53	9000	J
6.	UNKNOWN C13H10O ISOMER	7.89	18000	J
7.	UNKNOWN	8.86	7000	J
8.	UNKNOWN C15H11N ISOMER	8.97	7200	J
9.	UNKNOWN	9.46	9400	J
10.	UNKNOWN C16H10N2 ISOMER	9.56	5400	J
11.	UNKNOWN	10.38	7900	J
12.	UNKNOWN	10.72	8700	J
13.	UNKNOWN C15H13N ISOMER	11.51	4300	J
14.	UNKNOWN	11.81	300000	J
15.	UNKNOWN	11.87	3400	J
16.	UNKNOWN	12.04	4400	J
17.	UNKNOWN	12.15	2900	J
18.	UNKNOWN	12.44	2600	J
19.	UNKNOWN	13.09	26000	J
20.	UNKNOWN C24H16O2 ISOMER	13.39	6100	J
21.	UNKNOWN	13.48	3400	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

LABORATORY TEST RESULTS												
Job Number: 202673						Date:12/29/2002						
CUSTOMER: ROUX ASSOCIATES						ATTN: Mike Roux						
Customer Sample ID: 09-04-23 Date Sampled.....: 12/09/2002 Time Sampled.....: 15:00 Sample Matrix.....: Soil						Laboratory Sample ID: 202673-2 Date Received.....: 12/10/2002 Time Received.....: 10:15						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	56.5			0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	43.5			0.10	0.10	1	%	12661		12/13/02 0000	dwh
8270C	Semivolatile Organics											
	Phenol, Solid*	1100	J		330	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Bis(2-chloroethyl)ether, Solid*	ND	U		1400	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	n-Nitroso-di-n-propylamine, Solid*	ND	U		190	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Hexachloroethane, Solid*	ND	U		290	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Nitrobenzene, Solid*	ND	U		340	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Bis(2-chloroethoxy)methane, Solid*	ND	U		190	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Isophorone, Solid*	12000	U		320	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Hexachlorobutadiene, Solid*	ND	U		460	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Naphthalene, Solid*	1900	J		440	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	2,4,5-Trichlorophenol, Solid*	ND	U		140	22000	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Hexachlorocyclopentadiene, Solid*	ND	U		620	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	2-Methylnaphthalene, Solid*	ND	U		390	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	2-Nitroaniline, Solid*	ND	U		300	22000	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	2-Chloronaphthalene, Solid*	ND	U		260	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	2,6-Dinitrotoluene, Solid*	ND	U		190	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	3-Nitroaniline, Solid*	ND	U		250	22000	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Dimethyl phthalate, Solid*	ND	U		210	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Acnaphthylene, Solid*	ND	U		150	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	2,4-Dinitrotoluene, Solid*	ND	U		260	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Acenaphthene, Solid*	ND	U		210	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Dibenzofuran, Solid*	ND	U		210	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	4-Nitrophenol, Solid*	ND	U		1200	22000	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	Fluorene, Solid*	ND	U		280	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdwh
	4-Nitroaniline, Solid*	ND	U		330	9100	4.00000	ug/Kg	13048		12/17/02 1741	jdwh

* In Description = Dry Wgt.

00018

LABORATORY TEST RESULTS

Job Number: 202673

Date: 12/29/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-04-23
Date Sampled.....: 12/09/2002
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-2
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Bromophenyl phenyl ether, Solid*	ND	U		180	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Hexachlorobenzene, Solid*	ND	U		260	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Diethyl phthalate, Solid*	ND	U		230	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	4-Chlorophenyl phenyl ether, Solid*	ND	U		220	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Pentachlorophenol, Solid*	ND	U		590	22000	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	n-Nitrosodiphenylamine, Solid*	810	J	H	220	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Phenanthrene, Solid*	960	J	H	330	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Anthracene, Solid*	ND	U		170	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Di-n-butyl phthalate, Solid*	ND	U		190	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Fluoranthene, Solid*	ND	U		300	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Pyrene, Solid*	1300	J		260	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Butyl benzyl phthalate, Solid*	1200	J	H	180	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Benzo(a)anthracene, Solid*	ND	U		210	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Chrysene, Solid*	1200	J		230	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Bis(2-ethylhexyl)phthalate, Solid*	1200	J		500	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Di-n-octyl phthalate, Solid*	ND	U		170	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Benzo(b)fluoranthene, Solid*	ND	U		520	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Benzo(k)fluoranthene, Solid*	2600	J	M	540	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Benzo(a)pyrene, Solid*	3000	J	M	220	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Indeno(1,2,3-cd)pyrene, Solid*	1700	J		250	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Dibenzo(a,h)anthracene, Solid*	ND	U		250	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Benzo(ghi)perylene, Solid*	ND	U		230	4600	4.00000	ug/Kg	13048		12/17/02 1741	jdW
	Pyridine, TCLP	ND	U		0.009	0.040	1.00000	mg/L	13048		12/17/02 1741	jdW
	1,4-Dichlorobenzene, TCLP	0.010	J		0.0004	20	1.00000	mg/L	13049		12/13/02 2040	jdW
	2-Methylphenol, TCLP	0.002	J		0.0006	20	1.00000	mg/L	13049		12/13/02 2040	jdW
	Hexachloroethane, TCLP	ND	J		0.0008	20	1.00000	mg/L	13049		12/13/02 2040	jdW
	4-Methylphenol, TCLP	0.007	J		0.001	20	1.00000	mg/L	13049		12/13/02 2040	jdW
	Nitrobenzene, TCLP	ND	U		0.0006	20	1.00000	mg/L	13049		12/13/02 2040	jdW
	Hexachlorobutadiene, TCLP	ND	U		0.001	20	1.00000	mg/L	13049		12/13/02 2040	jdW

* In Description = Dry Wgt.

00019

LABORATORY TEST RESULTS

Job Number: 202673

Date: 12/29/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-04-23
Date Sampled.....: 12/09/2002
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-2
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,4,6-Trichlorophenol, TCLP	ND	U		0.0008	20	1.00000	mg/L	13049		12/13/02 2040	jdW
	2,4,5-Trichlorophenol, TCLP	ND	U		0.0006	100	1.00000	mg/L	13049		12/13/02 2040	jdW
	Hexachlorobenzene, TCLP	ND	U		0.001	20	1.00000	mg/L	13049		12/13/02 2040	jdW
	Pentachlorophenol, TCLP	ND	U		0.005	100	1.00000	mg/L	13049		12/13/02 2040	jdW

* In Description = Dry Wgt.

Page 7

00020

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

00021

Lab Name: STL-CT

Contract:

09-04-23

Lab Code: STLCT

Case No.: 202673 SAS No.:

SDG No.: 202673

Matrix: (soil/water) SOIL

Lab Sample ID: 202673-2

Sample wt/vol: 15.4 (g/mL) G

Lab File ID: Q6851

Level: (low/med) LOW

Date Received: 12/10/02

% Moisture: 44 decanted: (Y/N) N

Date Extracted: 12/11/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/17/02

Injection Volume: (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N

pH:

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	2.90	130000	JAB
2. 541-73-1	BENZENE, 1,3-DICHLORO-	4.43	19000	NJ
3. 65-85-0	BENZOIC ACID	5.41	18000	NJ
4.	UNKNOWN C13H10O ISOMER	7.91	160000	J
5.	UNKNOWN C14H12O ISOMER	8.50	86000	J
6.	UNKNOWN C13H9CLO ISOMER	8.53	34000	J
7.	UNKNOWN C15H14O ISOMER	8.61	60000	J
8.	UNKNOWN C13H9CLO ISOMER	8.76	290000	J
9.	UNKNOWN C17H12O ISOMER	10.11	29000	J
10.	UNKNOWN C17H10O ISOMER	11.53	460000	J
11.	UNKNOWN	12.02	35000	J
12.	UNKNOWN	12.36	72000	J
13.	UNKNOWN	13.14	900000	J
14.	UNKNOWN C24H16O2 ISOMER	13.31	230000	J
15.	UNKNOWN C24H16O2 ISOMER	13.51	850000	J
16.	UNKNOWN C24H16O2 ISOMER	13.95	620000	J
17.	UNKNOWN	14.11	34000	J
18.	UNKNOWN	14.20	21000	J
19.	UNKNOWN	15.79	33000	J
20.	UNKNOWN	15.99	20000	J
21.	UNKNOWN	16.31	18000	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

Job Number: 202673

LABORATORY TEST RESULTS

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: MIKE ROUX

Customer Sample ID: 09-02-14
Date Sampled.....: 12/09/2002
Time Sampled.....: 11:30
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-1
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	79.7		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	20.3		0.10	0.10	1	%	12661		12/13/02 0000	dwh
8082	PCB Analysis										
	Aroclor 1016, Solid*	ND	U	1.7	21	1.00000	ug/Kg	12820		12/17/02 1305	kam
	Aroclor 1221, Solid*	ND	U	1.6	41	1.00000	ug/Kg	12820		12/17/02 1305	kam
	Aroclor 1232, Solid*	ND	U	1.8	21	1.00000	ug/Kg	12820		12/17/02 1305	kam
	Aroclor 1242, Solid*	ND	U	1.9	21	1.00000	ug/Kg	12820		12/17/02 1305	kam
	Aroclor 1248, Solid*	ND	U	3.3	21	1.00000	ug/Kg	12820		12/17/02 1305	kam
	Aroclor 1254, Solid*	44		2.0	21	1.00000	ug/Kg	12816		12/17/02 1305	kam
	Aroclor 1260, Solid*	28	M	1.8	21	1.00000	ug/Kg	12820		12/17/02 1305	kam

* In Description = Dry Wgt.

Page 2

00022

Job Number: 202673

LABORATORY TEST RESULTS

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-04-23
Date Sampled.....: 12/09/2002
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-2
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216 8082	% Solids, Solid	56.5		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	43.5		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	PCB Analysis										
	Aroclor 1016, Solid*	ND	U	60	740	25.0000	ug/Kg	12816		12/17/02 1345	kam
	Aroclor 1221, Solid*	ND	U	55	1400	25.0000	ug/Kg	12816		12/17/02 1345	kam
	Aroclor 1232, Solid*	ND	U	63	740	25.0000	ug/Kg	12816		12/17/02 1345	kam
	Aroclor 1242, Solid*	ND	U	65	740	25.0000	ug/Kg	12816		12/17/02 1345	kam
	Aroclor 1248, Solid*	ND	U	44	740	25.0000	ug/Kg	12816		12/17/02 1345	kam
	Aroclor 1254, Solid*	ND	U	69	740	25.0000	ug/Kg	12816		12/17/02 1345	kam
	Aroclor 1260, Solid*	ND	U	62	740	25.0000	ug/Kg	12816		12/17/02 1345	kam

* In Description = Dry Wgt.

Page 3

00023

LABORATORY TEST RESULTS

Job Number: 202778

Date: 12/26/2002

CUSTOMER: Weston Solutions, Inc.

PROJECT: SENECA ARMY DEPOT 50

ATTN: Christopher Kane

Customer Sample ID: SEAD5054-SP-SS-010-FS

Date Sampled.....: 12/19/2002

Laboratory Sample ID: 202778-1

Time Sampled.....: 12:00

Date Received.....: 12/20/2002

Sample Matrix.....: Soil

Time Received.....: 13:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
60108	Metals Analysis (ICAP Trace)											
	Aluminum, TCLP	ND	U		0.416	2.50	1	mg/L	13014		12/23/02 1734	dwh
	Antimony, TCLP	ND	U		0.0294	0.100	1	mg/L	13014		12/23/02 1734	dwh
	Arsenic, TCLP	ND	U		0.0348	0.200	1	mg/L	13014		12/23/02 1734	dwh
	Barium, TCLP	0.623			0.0054	0.0250	1	mg/L	13014		12/23/02 1734	dwh
	Beryllium, TCLP	ND	U		0.0051	0.0250	1	mg/L	13014		12/23/02 1734	dwh
	Cadmium, TCLP	ND	U		0.0064	0.0500	1	mg/L	13014		12/23/02 1734	dwh
	Calcium, TCLP	725			0.264	1.50	1	mg/L	13014		12/23/02 1734	dwh
	Chromium, TCLP	ND	U		0.0076	0.0500	1	mg/L	13014		12/23/02 1734	dwh
	Cobalt, TCLP	ND	U		0.0074	0.0500	1	mg/L	13014		12/23/02 1734	dwh
	Copper, TCLP	0.0114	B		0.0072	0.0500	1	mg/L	13014		12/23/02 1734	dwh
	Iron, TCLP	ND	U		0.426	1.00	1	mg/L	13014		12/23/02 1734	dwh
	Lead, TCLP	18.6			0.0170	0.0500	1	mg/L	13014		12/23/02 1734	dwh
	Magnesium, TCLP	2.06			0.0580	0.500	1	mg/L	13014		12/23/02 1734	dwh
	Manganese, TCLP	7.95			0.0058	0.0750	1	mg/L	13014		12/23/02 1734	dwh
	Nickel, TCLP	697			0.0096	0.0500	1	mg/L	13014		12/23/02 1734	dwh
	Potassium, TCLP		U		0.615	2.00	1	mg/L	13014		12/23/02 1734	dwh
	Selenium, TCLP		U		0.0346	0.150	1	mg/L	13014		12/23/02 1734	dwh
	Silver, TCLP		U		0.0068	0.0300	1	mg/L	13014		12/23/02 1734	dwh
	Sodium, TCLP		U		0.363	2.00	1	mg/L	13014		12/23/02 1734	dwh
	Thallium, TCLP		U		0.0805	0.200	1	mg/L	13014		12/23/02 1734	dwh
	Vanadium, TCLP		U		0.0067	0.0300	1	mg/L	13014		12/23/02 1734	dwh
	Zinc, TCLP		U		0.0810	0.250	1	mg/L	13014		12/23/02 1734	dwh
7470A	Leachable, Mercury (CVAA)	ND			0.90	10.0	1.0000	ug/L	13021		12/23/02 1626	dwh
	Mercury, TCLP											

* In Description = Dry Wgt.

00024

LABORATORY TEST RESULTS

Job Number: 202778

Date: 12/26/2002

CUSTOMER: Weston Solutions, Inc.

PROJECT: SENECA ARMY DEPOT 50

ATTN: Christopher Kane

Customer Sample ID: SEAD5054-SP-SS-011-FS
Date Sampled.....: 12/19/2002
Time Sampled.....: 12:05
Sample Matrix.....: Soil

Laboratory Sample ID: 202778-2
Date Received.....: 12/20/2002
Time Received.....: 13:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MOI	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, TCLP	ND	U		0.416	2.50	1	mg/L	13014		12/23/02 1740	dwh
	Antimony, TCLP	ND	U		0.0294	0.100	1	mg/L	13014		12/23/02 1740	dwh
	Arsenic, TCLP	ND	U		0.0348	0.200	1	mg/L	13014		12/23/02 1740	dwh
	Barium, TCLP				0.0054	0.0250	1	mg/L	13014		12/23/02 1740	dwh
	Beryllium, TCLP		U		0.0051	0.0250	1	mg/L	13014		12/23/02 1740	dwh
	Cadmium, TCLP	ND	U		0.0064	0.0500	1	mg/L	13014		12/23/02 1740	dwh
	Calcium, TCLP				0.264	1.50	1	mg/L	13014		12/23/02 1740	dwh
	Chromium, TCLP	ND	U		0.0076	0.0500	1	mg/L	13014		12/23/02 1740	dwh
	Cobalt, TCLP	ND	U		0.0074	0.0500	1	mg/L	13014		12/23/02 1740	dwh
	Copper, TCLP				0.0072	0.0500	1	mg/L	13014		12/23/02 1740	dwh
	Iron, TCLP	ND	B		0.426	1.00	1	mg/L	13014		12/23/02 1740	dwh
	Lead, TCLP	ND	U		0.0170	0.0500	1	mg/L	13014		12/23/02 1740	dwh
	Magnesium, TCLP				0.0580	0.500	1	mg/L	13014		12/23/02 1740	dwh
	Manganese, TCLP				0.0058	0.0750	1	mg/L	13014		12/23/02 1740	dwh
	Nickel, TCLP		U		0.0096	0.0500	1	mg/L	13014		12/23/02 1740	dwh
	Potassium, TCLP	ND	U		0.615	2.00	1	mg/L	13014		12/23/02 1740	dwh
	Selenium, TCLP	ND	U		0.0346	0.150	1	mg/L	13014		12/23/02 1740	dwh
	Silver, TCLP	ND	U		0.0068	0.0300	1	mg/L	13014		12/23/02 1740	dwh
	Sodium, TCLP				0.363	2.00	1	mg/L	13014		12/23/02 1740	dwh
	Thallium, TCLP	ND	U		0.0805	0.200	1	mg/L	13014		12/23/02 1740	dwh
	Vanadium, TCLP	ND	U		0.0067	0.0300	1	mg/L	13014		12/23/02 1740	dwh
	Zinc, TCLP		B		0.0810	0.250	1	mg/L	13014		12/23/02 1740	dwh
7470A	Leachable, Mercury (CVAA)											
	Mercury, TCLP	ND	U		0.90	10.0	1.0000	ug/L	13021		12/23/02 1627	dwh

* In Description = Dry Wgt.

Page 3

00025

LABORATORY TEST RESULTS												
Job Number: 202778					Date:12/26/2002							
CUSTOMER: Weston Solutions, Inc.					ATTN: Christopher Kane							
PROJECT: SENECA ARMY DEPOT 50												
Customer Sample ID: SEAD5054-SP-SS-012-FS					Laboratory Sample ID: 202778-3							
Date Sampled.....: 12/19/2002					Date Received.....: 12/20/2002							
Time Sampled.....: 12:10					Time Received.....: 13:40							
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, TCLP	ND	U		0.416	2.50	1	mg/L	13014		12/23/02 1746	dlh
	Antimony, TCLP	ND	U		0.0294	0.100	1	mg/L	13014		12/23/02 1746	dlh
	Arsenic, TCLP	ND	U		0.0348	0.200	1	mg/L	13014		12/23/02 1746	dlh
	Barium, TCLP	0.542			0.0054	0.0250	1	mg/L	13014		12/23/02 1746	dlh
	Beryllium, TCLP	ND	U		0.0051	0.0250	1	mg/L	13014		12/23/02 1746	dlh
	Cadmium, TCLP	ND	U		0.0064	0.0500	1	mg/L	13014		12/23/02 1746	dlh
	Calcium, TCLP	231			0.264	1.50	1	mg/L	13014		12/23/02 1746	dlh
	Chromium, TCLP	ND	U		0.0076	0.0500	1	mg/L	13014		12/23/02 1746	dlh
	Cobalt, TCLP	ND	U		0.0074	0.0500	1	mg/L	13014		12/23/02 1746	dlh
	Copper, TCLP	0.0246	B		0.0072	0.0500	1	mg/L	13014		12/23/02 1746	dlh
	Iron, TCLP	ND	U		0.426	1.00	1	mg/L	13014		12/23/02 1746	dlh
	Lead, TCLP	ND	U		0.0170	0.0500	1	mg/L	13014		12/23/02 1746	dlh
	Magnesium, TCLP	15.4			0.0580	0.500	1	mg/L	13014		12/23/02 1746	dlh
	Manganese, TCLP	0.657			0.0058	0.0750	1	mg/L	13014		12/23/02 1746	dlh
	Nickel, TCLP	9.62	U		0.0096	0.0500	1	mg/L	13014		12/23/02 1746	dlh
	Potassium, TCLP	ND	U		0.615	2.00	1	mg/L	13014		12/23/02 1746	dlh
	Selenium, TCLP	ND	U		0.0346	0.150	1	mg/L	13014		12/23/02 1746	dlh
	Silver, TCLP	681			0.0068	0.0300	1	mg/L	13014		12/23/02 1746	dlh
	Sodium, TCLP	ND	U		0.363	2.00	1	mg/L	13014		12/23/02 1746	dlh
	Thallium, TCLP	ND	U		0.0805	0.200	1	mg/L	13014		12/23/02 1746	dlh
	Vanadium, TCLP	ND	U		0.0067	0.0300	1	mg/L	13014		12/23/02 1746	dlh
	Zinc, TCLP	0.0856	B		0.0810	0.250	1	mg/L	13014		12/23/02 1746	dlh
7470A	Leachable, Mercury (CVAA)	ND										
	Mercury, TCLP		U		0.90	10.0	1.0000	ug/L	13021		12/23/02 1629	dlh
0002												

00026

LABORATORY TEST RESULTS											
Job Number: 202673					Date: 12/23/2002						
CUSTOMER: ROUX ASSOCIATES					PROJECT: BASF						
Customer Sample ID: 09-02-14 Date Sampled: 12/09/2002 Time Sampled: 11:30 Sample Matrix: Soil					Laboratory Sample ID: 202673-1 Date Received: 12/10/2002 Time Received: 10:15						
ATTN: Mike Roux											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	79.7		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	20.3		0.10	0.10	1	%	12661		12/13/02 0000	dwh
9012	Cyanide (Colorimetric)	0.084	B	0.066	0.62	1.0	mg/Kg.	12861		12/13/02 1304	dtm
	Cyanide, Total, Solid*										
3500-CrD	Hexavalent Chromium	ND	U	0.0003	0.0502	1	mg/Kg	12941		12/17/02 1700	ams
	Hexavalent Chromium, Solid*										

* In Description = Dry Wgt.

00027

LABORATORY TEST RESULTS												
Job Number: 202673						Date:12/23/2002						
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF						
ATTN: Mike Roux												
Customer Sample ID: 09-04-23 Date Sampled.....: 12/09/2002 Time Sampled.....: 15:00 Sample Matrix.....: Soil						Laboratory Sample ID: 202673-2 Date Received.....: 12/10/2002 Time Received.....: 10:15						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	56.5			0.10	0.10	1	%	12661		12/13/02 0000	dkh
	% Moisture, Solid	43.5			0.10	0.10	1	%	12661		12/13/02 0000	dkh
9012	Cyanide (Colorimetric)											
	Cyanide, Total, Solid*	ND		U	0.095	0.88	1.0	mg/Kg	12861		12/13/02 1305	dtn
3500-CrD	Hexavalent Chromium											
	Hexavalent Chromium, Solid*	4.11			0.004	0.708	10	mg/Kg	12941		12/17/02 1728	ams

* In Description = Dry Wgt.

00028

LABORATORY TEST RESULTS											
Job Number: 202673						Date:12/30/2002					
CUSTOMER: ROUX ASSOCIATES						ATTN: Mike Roux					
Customer Sample ID: 09-02-14 Date Sampled.....: 12/09/2002 Time Sampled.....: 11:30 Sample Matrix.....: Soil						Laboratory Sample ID: 202673-1 Date Received.....: 12/10/2002 Time Received.....: 10:15					
PROJECT: BASF											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	79.7		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	20.3		0.10	0.10	1	%	12661		12/13/02 0000	dwh
7471A	Mercury (CVAA) Solids										
	Mercury, Solid*	3440	B	516	20600	10.000	ug/Kg	12626		12/13/02 0959	nnp
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	5370000		137000	1220000	5	ug/Kg	13015		12/23/02 1828	dwh
	Antimony, Solid*	7870	B	5660	55200	5	ug/Kg	13015		12/23/02 1828	dwh
	Arsenic, Solid*	251000		4720	37700	5	ug/Kg	13015		12/23/02 1828	dwh
	Barium, Solid*	111000		1420	9430	5	ug/Kg	13015		12/23/02 1828	dwh
	Beryllium, Solid*	ND	U	2360	9430	5	ug/Kg	13015		12/23/02 1828	dwh
	Cadmium, Solid*	ND	U	4720	14200	5	ug/Kg	13015		12/23/02 1828	dwh
	Calcium, Solid*	5350000		40600	401000	5	ug/Kg	13015		12/23/02 1828	dwh
	Chromium, Solid*	199000		2360	14200	5	ug/Kg	13015		12/23/02 1828	dwh
	Cobalt, Solid*	14000		1420	9430	5	ug/Kg	13015		12/23/02 1828	dwh
	Copper, Solid*	5230000		2360	23600	5	ug/Kg	13015		12/23/02 1828	dwh
	Iron, Solid*	169000000		104000	684000	5	ug/Kg	13015		12/23/02 1828	dwh
	Lead, Solid*	2090000		4720	42500	5	ug/Kg	13015		12/23/02 1828	dwh
	Magnesium, Solid*	1300000		17000	165000	5	ug/Kg	13015		12/23/02 1828	dwh
	Manganese, Solid*	335000		1420	11800	5	ug/Kg	13015		12/23/02 1828	dwh
	Nickel, Solid*	112000		2360	23600	5	ug/Kg	13015		12/23/02 1828	dwh
	Potassium, Solid*	693000	B	203000	943000	5	ug/Kg	13015		12/23/02 1828	dwh
	Selenium, Solid*	38200	B	7550	75500	5	ug/Kg	13015		12/23/02 1828	dwh
	Silver, Solid*	ND	U	1420	14200	5	ug/Kg	13015		12/23/02 1828	dwh
	Sodium, Solid*	602000	U	44300	443000	5	ug/Kg	13015		12/23/02 1828	dwh
	Thallium, Solid*	ND	U	14200	104000	5	ug/Kg	13015		12/23/02 1828	dwh
		Vanadium, Solid*	148000		1890	18900	5	ug/Kg	13015		12/23/02 1828

* In Description = Dry Wgt.

00029

Job Number: 202673 LABORATORY TEST RESULTS Date: 12/30/2002

CUSTOMER: ROUX ASSOCIATES PROJECT: BASF ATTN: Mike Roux

Customer Sample ID: 09-02-14
 Date Sampled: 12/09/2002
 Time Sampled: 11:30
 Sample Matrix: Soil

Laboratory Sample ID: 202673-1
 Date Received: 12/10/2002
 Time Received: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Zinc, Solid*	908000	U		11300	94300	5	ug/Kg	13015		12/23/02 1828	dwh
	Arsenic, TCLP	ND	U		34.8	200	1	ug/L	12849		12/18/02 1740	nnp
	Barium, TCLP	538	U		5.4	25.0	1	ug/L	12849		12/18/02 1740	nnp
	Cadmium, TCLP	ND	U		6.4	50.0	1	ug/L	12849		12/18/02 1740	nnp
	Chromium, TCLP	ND	U		7.6	50.0	1	ug/L	12849		12/18/02 1740	nnp
	Lead, TCLP	ND	U		17.0	50.0	1	ug/L	12849		12/18/02 1740	nnp
	Selenium, TCLP	ND	U		34.6	150	1	ug/L	12849		12/18/02 1740	nnp
	Silver, TCLP	ND	U		6.8	30.0	1	ug/L	12849		12/18/02 1740	nnp
	Leachable, Mercury (CVAA)	ND	U		0.90	10.0	1.0000	ug/L	12910		12/17/02 1523	nnp
	Mercury, TCLP	ND	U									

00030

LABORATORY TEST RESULTS

Job Number: 202673

Date: 12/30/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-04-23
Date Sampled.....: 12/09/2002
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-2
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	56.5		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	43.5		0.10	0.10	1	%	12661		12/13/02 0000	dwh
7471A	Mercury (CVAA) Solids	582	B	70.8	2830	1.0000	ug/Kg	12626		12/13/02 0909	nmp
	Mercury, Solid*										
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	14400000		231000	2060000	5	ug/Kg	13015		12/23/02 1840	dwh
	Antimony, Solid*	ND	U	9570	93300	5	ug/Kg	13015		12/23/02 1840	dwh
	Arsenic, Solid*	21900	B	7970	63800	5	ug/Kg	13015		12/23/02 1840	dwh
	Barium, Solid*	158000		2390	15900	5	ug/Kg	13015		12/23/02 1840	dwh
	Beryllium, Solid*	ND	U	3990	15900	5	ug/Kg	13015		12/23/02 1840	dwh
	Cadmium, Solid*	19400000	U	7970	23900	5	ug/Kg	13015		12/23/02 1840	dwh
	Calcium, Solid*	69600		68600	678000	5	ug/Kg	13015		12/23/02 1840	dwh
	Chromium, Solid*	16200		3990	23900	5	ug/Kg	13015		12/23/02 1840	dwh
	Cobalt, Solid*	157000		2390	15900	5	ug/Kg	13015		12/23/02 1840	dwh
	Copper, Solid*	66700000		3990	39900	5	ug/Kg	13015		12/23/02 1840	dwh
	Iron, Solid*			175000	1160000	5	ug/Kg	13015		12/23/02 1840	dwh
	Lead, Solid*	169000		7970	71800	5	ug/Kg	13015		12/23/02 1840	dwh
	Magnesium, Solid*	86900000		28700	279000	5	ug/Kg	13015		12/23/02 1840	dwh
	Manganese, Solid*	857000		2390	19900	5	ug/Kg	13015		12/23/02 1840	dwh
	Nickel, Solid*	46100		3990	39900	5	ug/Kg	13015		12/23/02 1840	dwh
	Potassium, Solid*	29900000		343000	1590000	5	ug/Kg	13015		12/23/02 1840	dwh
	Selenium, Solid*	ND	U	12800	128000	5	ug/Kg	13015		12/23/02 1840	dwh
	Silver, Solid*	ND	U	2390	23900	5	ug/Kg	13015		12/23/02 1840	dwh
	Sodium, Solid*	69200000		74900	749000	5	ug/Kg	13015		12/23/02 1840	dwh
	Thallium, Solid*	ND	U	23900	175000	5	ug/Kg	13015		12/23/02 1840	dwh
	Vanadium, Solid*	26200	B	3190	31900	5	ug/Kg	13015		12/23/02 1840	dwh

* In Description = Dry Wgt.

0003

LABORATORY TEST RESULTS

Job Number: 202673

Date: 12/30/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-04-23
Date Sampled.....: 12/09/2002
Time Sampled.....: 15:00
Sample Matrix.....: Soil

Laboratory Sample ID: 202673-2
Date Received.....: 12/10/2002
Time Received.....: 10:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Zinc, Solid*	336000	U	19100	159000	5	ug/Kg	13015		12/23/02 1840	dwh
	Arsenic, TCLP	ND	U	34.8	200	1	ug/L	12849		12/18/02 1746	nnp
	Barium, TCLP	487	U	5.4	25.0	1	ug/L	12849		12/18/02 1746	nnp
	Cadmium, TCLP	ND	U	6.4	50.0	1	ug/L	12849		12/18/02 1746	nnp
	Chromium, TCLP	ND	U	7.6	50.0	1	ug/L	12849		12/18/02 1746	nnp
	Lead, TCLP	ND	U	17.0	50.0	1	ug/L	12849		12/18/02 1746	nnp
	Selenium, TCLP	ND	U	34.6	150	1	ug/L	12849		12/18/02 1746	nnp
	Silver, TCLP	ND	U	6.8	30.0	1	ug/L	12849		12/18/02 1746	nnp
	Leachable, Mercury (CVAA)	ND	U	0.90	10.0	1.0000	ug/L	12910		12/17/02 1530	nnp
	Mercury, TCLP	ND	U								

* In Description = Dry Wgt.

00032

00033

LABORATORY CHRONICLE

Job Number: 202673

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Lab ID: 202673-1	Client ID: 09-02-14	Date Recvd: 12/10/2002	Sample Date: 12/09/2002			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
ASTM D-2216		1	12661			
5030A	5030 Purge & Trap (Med. Level) 10ml	1	12780			12/13/2002 0000
5030A	5030CP TCLP/SPLP Prep	1	12901			
7470/7471	74706 Digestion (Hg)	1	12604			12/12/2002 0000
3010A	Acid Dig. Leachates (ICAP)	1	12771			12/17/2002 0000
3050B	Acid Digestion: Solids (ICAP)	1	12920			12/20/2002 0000
9012	Cyanide (Colorimetric)	1	12861	12944		12/13/2002 1304
CN Prep Method	Cyanide sample Preparation	1	12944			12/12/2002 0000
3510C	Extraction Sep. Funnel (SVOC)	1	12623			12/12/2002 0000
3541	Extraction Soxhlet (SVOC)	1	12576			12/11/2002 0000
3550B	Extraction Ultrasonic (PCBs)	1	12643			12/13/2002 0000
3500-CrD	Hexavalent Chromium	1	12941			12/17/2002 1700
7470A	Leachable, Mercury (CVAA)	1	12910	12709		12/17/2002 1523
7471A	Mercury (CVAA) Solids	1	12626	12604		12/13/2002 0959
6010B	Metals Analysis (ICAP Trace)	1	12849	12771		12/18/2002 1740
6010B	Metals Analysis (ICAP Trace)	1	13015	12920		12/23/2002 1828
Lab Informatio	Metals General Lab Information	1				5
8082	PCB Analysis	1	12816	12643		12/17/2002 1305
8082	PCB Analysis	1	12820	12643		12/17/2002 1305
8082	PCB Analysis, Confirmation	1	12816	12643		12/17/2002 1305
8082	PCB Analysis, Confirmation	1	12820	12643		12/17/2002 1305
7470	SW846 Dig. Leachates (Hg)	1	12709			12/16/2002 0000
8270C	Semivolatile Organics	1	13049	12623 -12660		12/13/2002 2013
8270C	Semivolatile Organics	1	13048	12576		12/17/2002 1715
BNA TIC	Semivolatile TIC	1	13090	12576		12/17/2002 1715
1311	TCLP Extraction	1	12660			12/11/2002 0000
1311	TCLP Zero Headspace Extraction	1	12684			12/13/2002 0000
8260B	Volatile Organics	1	12781	12780		12/11/2002 1216
8260B	Volatile Organics (5mL Purge)	1	12903	12901		12/19/2002 1524
VOA TIC	Volatile TIC	1	13086	12780		12/11/2002 1216

Lab ID: 202673-2	Client ID: 09-04-23	Date Recvd: 12/10/2002	Sample Date: 12/09/2002			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
ASTM D-2216		1	12661			
5030A	5030 Purge & Trap (Med. Level) 10ml	1	12780			12/13/2002 0000
5030A	5030CP TCLP/SPLP Prep	1	12901			
7470/7471	74706 Digestion (Hg)	1	12604			12/12/2002 0000
3010A	Acid Dig. Leachates (ICAP)	1	12771			12/17/2002 0000
3050B	Acid Digestion: Solids (ICAP)	1	12920			12/20/2002 0000
9012	Cyanide (Colorimetric)	1	12861	12944		12/13/2002 1305
CN Prep Method	Cyanide sample Preparation	1	12944			12/12/2002 0000
3510C	Extraction Sep. Funnel (SVOC)	1	12623			12/12/2002 0000
3541	Extraction Soxhlet (SVOC)	1	12576			12/11/2002 0000
3550B	Extraction Ultrasonic (PCBs)	1	12643			12/13/2002 0000
3500-CrD	Hexavalent Chromium	1	12941			12/17/2002 1728
7470A	Leachable, Mercury (CVAA)	1	12910	12709		12/17/2002 1530
7471A	Mercury (CVAA) Solids	1	12626	12604		12/13/2002 0909
6010B	Metals Analysis (ICAP Trace)	1	12849	12771		12/18/2002 1746
6010B	Metals Analysis (ICAP Trace)	1	13015	12920		12/23/2002 1840
8082	PCB Analysis	1	12816	12643		12/17/2002 1345
8082	PCB Analysis, Confirmation	1	12820	12643		12/17/2002 1345
7470	SW846 Dig. Leachates (Hg)	1	12709			12/16/2002 0000
8270C	Semivolatile Organics	1	13049	12623 -12660		12/13/2002 2040
8270C	Semivolatile Organics	1	13048	12576		12/17/2002 1741
BNA TIC	Semivolatile TIC	1	13090	12576		12/17/2002 1741

00034

LABORATORY CHRONICLE

Job Number: 202673

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Lab ID: 202673-2 Client ID: 09-04-23

Date Recvd: 12/10/2002 Sample Date: 12/09/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
1311	TCLP Extraction	1	12660			12/11/2002 0000	
1311	TCLP Zero Headspace Extraction	1	12684			12/13/2002 0000	
8260B	Volatile Organics	1	12781	12780		12/11/2002 1550	50.0000
8260B	Volatile Organics (5mL Purge)	1	12903	12901		12/19/2002 1315	200.000
VOA TIC	Volatile TIC	1	13086	12780		12/11/2002 1550	50.0000

Lab ID: 202673-3 Client ID: TB120902

Date Recvd: 12/10/2002 Sample Date: 12/09/2002

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	12686				
8260B	Volatile Organics (5mL Purge)	1	12713	12686		12/12/2002 1540	1.00000
VOA TIC	Volatile TIC	1	13086	12686		12/12/2002 1540	1.00000

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/02/2003

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/02/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit_Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STATE CERTIFICATIONS

00037

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

**STL-Connecticut
Certification Summary (as of May 2002)**

State	Responsible Agency	Certification	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	M-CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	CT410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Wisconsin	Department of Natural Resources	Wastewater	998355710

ANALYTICAL REPORT

JOB NUMBER: 202697

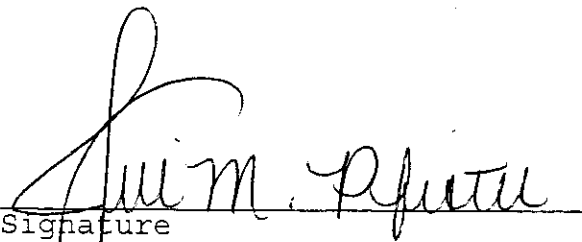
Prepared For:

ROUX ASSOCIATES
1377 Motor Parkway
Islandia, NY 11749

Project: BASF

Attention: Mike Roux

Date: 01/10/2003


Signature

Name: Jill M. Pfister

Title: Project Manager

E-Mail: jpfister@stl-inc.com

1/10/03
Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (58) Pages

STL Report : 202697
ROUX ASSOCIATES – BASF

000 1

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Organic Extraction - Samples were extracted according to methods 3541/3550B/3510C. Samples for 8082 analysis were cleaned-up using procedures outlined in method 3665A (acid clean-up). Samples 09-13-07 and 09-09-19 would not concentrate to a final volume of 0.5 ml for 8270 analysis and were brought to a final volume of 1 ml.

Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. No analytical problems were encountered.

Analyte	Method	Reference
Cyanide-Total	9012	1
Hexavalent Chromium	3500-CrD	2

References:

1. Test Methods for the Evaluation of Solid Waste, SW846, 3rd ed., 1986.
2. Standard Methods for the Examination of Water and Wastewater, 18th edition, 1992.

Metals – ICAP metals were determined using a JA61E trace ICAP; mercury was determined by cold vapor technique using a Perkin Elmer mercury analyzer; following guidance provided in SW846 according to methods: ICAP – 3050B/6010B; mercury-7471A.

Antimony failed the controls for spike recovery analysis of sample 202600-2 resulting in one "N" flag.

One "*" flag resulted from duplicate analysis of sample 202600-2 for sodium.

One "E" flag resulted from serial dilution of soil sample 202697-5 for sodium and one "E" flag resulted from serial dilution of TCLP sample 202697-1 for sodium.

No other problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 1311/5030B/8260B. The instrumentation used was a Tekmar Model 2000/2016 Concentrator/Archon 51/4552 autosampler interfaced with a Hewlett Packard Model 5970A/5971A/5972A GC/MS/DS.

The spike compound percent recoveries were within the laboratory generated guidelines in the independent source quality control samples (020PPB_QCS) except for bromomethane, 4-methyl-2-pentanone and carbon tetrachloride.

Samples 09-13-07, 09-09-02 and 09-09-19 were analyzed as medium level soils due to high target compound concentrations.

Sample Calculation:

Sample ID-PE-AREA1-S-9C
Compound-Acetone

$$\frac{(148139)(125)}{(1253631)(.061)(5)(.78)} = 62.09 = 62 \text{ UG/KG.}$$

Polychlorinated Biphenyls (PCB's) - PCB samples were analyzed by GC/ECD using guidance provided in Method 8082. The instrumentation used was a Hewlett-Packard Gas Chromatograph equipped with an Electron Capture Detector (Ni63).

Samples 09-09-02 and 12625-6SBLK required sulfur cleanup prior to analysis.

Surrogate recovery for Tetrachloro-m-xylene was above QC limits in sample 09-09-19 on both columns.

Sample 09-13-07 was diluted 1:10 due to sample matrix. This sample could not be run lower without masking target compounds and possibly causing damage to the column and/or detector.

Results for 09-09-19 were reported from the DB-1701 column due to matrix interference on the RTX-35 column.

Manual integrations were performed if required, and any affected peaks were designated with an "M" on the quantitation report. Manual integrations were initialed by the analyst that performed the integration.

Sample Calculation:

Sample ID – 09-09-19

Compound – Aroclor-1260 peak 15.27 on the DB-1701 column

$$\frac{(2179517 \text{ area})(10000 \text{ ul})}{(21429859.8 \text{ area/ng})(30.6 \text{ g})(0.797)(1 \text{ ul})} = 41.7 \text{ ug/Kg}$$

Semi-Volatile Organics - Semi-volatile organic samples were analyzed by capillary GC/MS according to NYSDEC Protocols using guidance provided in Method 8270C. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

A 2ul injection was used for all samples and standards. The instrument was calibrated at 10ng/ul (20 ng), 25 ng/ul(50 ng), 40ng/ul(80ng), 60ng/ul(120ng) and 80ng/ul(160ng). Internal standards were added to all samples and standards were at 20ng/ul(40ng).

The leachate sample, 09-13-07, had all acid surrogates out of recovery criteria. The sample was re-leached and reextracted out of holding time and was analyzed with all surrogates within acceptance criteria. Both sets of results have been reported with the reextracted sample designated with the suffix "RE".

The spike recovery for the compounds, 2,4,6-trichlorophenol and hexachlorocyclopentadiene, was below recovery limits for 12613-2LCS.

The following intact samples were analyzed at dilutions due to the viscous matrix of the samples:

09-13-07	1:4
09-09-02	1:2
09-09-19	1:4
PE-AREA1-S-9C	1:2

The target compounds 3-methylphenol and 4-methylphenol cannot be chromatographically separated. The isomers are reported as a total concentration of 4-methylphenol.

Sample Calculation:

Sample ID – 09-13-07

Compound – 2,4-dinitrotoluene

$$\frac{(35840)(40)(1000)(4.0)}{(292349)(.446)(2.0)(15.1)(.505)} = 2883 = 2900 \text{ ug/kg}$$

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 the case narrative. 000 4

SAMPLE INFORMATION

Date: 01/02/2003

Job Number.: 202697
 Customer....: ROUX ASSOCIATES
 Attn.....: Mike Roux

Project Number.....: 20000271
 Customer Project ID....: BASF
 Project Description.....: BASF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
202697-1	09-13-07	Soil	12/10/2002	15:50	12/11/2002	09:50
202697-2	09-13-15	Groundwater	12/10/2002	16:00	12/11/2002	09:50
202697-3	09-09-02	Soil	12/10/2002	11:40	12/11/2002	09:50
202697-4	09-09-19	Soil	12/10/2002	11:50	12/11/2002	09:50
202697-5	PR-AREAL-S-9C	Soil	12/10/2002	15:40	12/11/2002	09:50

LABORATORY TEST RESULTS											
Job Number: 202697						Date: 01/02/2003					
CUSTOMER: ROUX ASSOCIATES						ATTN: Mike Roux					
Customer Sample ID: 09-13-07 Date Sampled.....: 12/10/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202697-1 Date Received.....: 12/11/2002 Time Received.....: 09:50					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics	ND	U	130	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Chloromethane, High/Med Level*	ND	U	210	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Vinyl chloride, High/Med Level*	ND	U	210	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Bromomethane, High/Med Level*	ND	U	140	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Chloroethane, High/Med Level*	ND	U	66	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,1-Dichloroethene, High/Med Level*	ND	U	8	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Carbon disulfide, High/Med Level*	ND	U	2500	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Acetone, High/Med Level*	ND	U	250	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Methylene chloride, High/Med Level*	ND	U	120	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,1-Dichloroethane, High/Med Level*	ND	U	380	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Vinyl acetate, High/Med Level*	ND	U	380	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	2-Butanone (MEK), High/Med Level*	ND	U	290	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Chloroform, High/Med Level*	ND	U	120	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,1,1-Trichloroethane, High/Med Level*	ND	U	120	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Carbon tetrachloride, High/Med Level*	ND	U	140	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,2-Dichloroethene (total), High/Med Level*	ND	U	88	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Benzene, High/Med Level*	ND	U	260	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,2-Dichloroethane, High/Med Level*	ND	U	62	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Trichloroethene, High/Med Level*	ND	U	59	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,2-Dichloropropane, High/Med Level*	ND	U	87	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Bromodichloromethane, High/Med Level*	ND	U	80	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	cis-1,3-Dichloropropene, High/Med Level*	ND	U	420	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	4-Methyl-2-pentanone (MIBK), High/Med Level*	ND	U	170	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Toluene, High/Med Level*	ND	U	77	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	trans-1,3-Dichloropropene, High/Med Level*	ND	U	81	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,1,2-Trichloroethane, High/Med Level*	ND	U	200	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Tetrachloroethene, High/Med Level*	ND	U	350	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	2-Hexanone, High/Med Level*	ND	U	88	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Dibromochloromethane, High/Med Level*	ND	U		990	1.00000	ug/Kg	12720		12/12/02 1522	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202697

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-13-07
Date Sampled.....: 12/10/2002
Time Sampled.....: 15:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202697-1
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	Chlorobenzene, High/Med Level*	ND	U		160	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Ethylbenzene, High/Med Level*	ND	U		150	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Styrene, High/Med Level*	ND	U		150	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Bromoforn, High/Med Level*	ND	U		94	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,1,2,2-Tetrachloroethane, High/Med Level*	ND	U		170	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	Xylenes (total), High/Med Level*	ND	U		510	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,3-Dichlorobenzene, High/Med Level*	ND	U		170	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,4-Dichlorobenzene, High/Med Level*	ND	U		200	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,2-Dichlorobenzene, High/Med Level*	ND	U		180	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	1,2,4-Trichlorobenzene, High/Med Level*	ND	U		990	990	1.00000	ug/Kg	12720		12/12/02 1522	pam
	% Solids, Solid	50.5			0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	49.5			0.10	0.10	1	%	12661		12/13/02 0000	dwh
	Volatile Organics (5mL Purge)	ND	U		0.0003	0.005	1.00000	mg/L	12724		12/14/02 2017	pam
	Vinyl chloride, TCLP	ND	U		0.0006	0.005	1.00000	mg/L	12724		12/14/02 2017	pam
8260B	1,1-Dichloroethene, TCLP	ND	U		0.0004	0.010	1.00000	mg/L	12724		12/14/02 2017	pam
	2-Butanone (MEK), TCLP	ND	U		0.0002	0.005	1.00000	mg/L	12724		12/14/02 2017	pam
	Chloroform, TCLP	ND	U		0.0002	0.005	1.00000	mg/L	12724		12/14/02 2017	pam
	Carbon tetrachloride, TCLP	ND	U		0.0003	0.005	1.00000	mg/L	12724		12/14/02 2017	pam
	Benzene, TCLP	ND	U		0.0003	0.005	1.00000	mg/L	12724		12/14/02 2017	pam
	1,2-Dichloroethane, TCLP	ND	U		0.0003	0.005	1.00000	mg/L	12724		12/14/02 2017	pam
	Trichloroethene, TCLP	ND	U		0.0008	0.005	1.00000	mg/L	12724		12/14/02 2017	pam
	Tetrachloroethene, TCLP	ND	U		0.0003	0.005	1.00000	mg/L	12724		12/14/02 2017	pam
	Chlorobenzene, TCLP	ND	U		0.0002	0.005	1.00000	mg/L	12724		12/14/02 2017	pam
		0.0003	J									

* In Description = Dry Wgt.

Page 3

000 7

Customer Sample ID: 09-13-15 Laboratory Sample ID: 202697-2
 Date Sampled: 12/10/2002 Date Received: 12/11/2002
 Time Sampled: 16:00 Time Received: 09:50
 Sample Matrix: Groundwater

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics (5mL Purge)	ND	U	0.9	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Chloromethane	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Vinyl chloride	ND	U	2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Bromomethane	ND	U	4	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Chloroethane	ND	U	0.6	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,1-Dichloroethene	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Carbon disulfide	ND	U	0.9	10	1.00000	ug/L	12685		12/12/02 2013	pam
	Acetone	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Methylene chloride	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	trans-1,2-Dichloroethene	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,1-Dichloroethane	ND	U	0.7	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Vinyl acetate	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	cis-1,2-Dichloroethene	ND	U	0.4	10	1.00000	ug/L	12685		12/12/02 2013	pam
	2-Butanone (MEK)	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Chloroform	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,1,1-Trichloroethane	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Carbon tetrachloride	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Benzene	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,2-Dichloroethane	ND	U	0.8	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Trichloroethene	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,2-Dichloropropane	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Bromodichloromethane	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	cis-1,3-Dichloropropene	ND	U	0.4	10	1.00000	ug/L	12685		12/12/02 2013	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Toluene	ND	U	0.4	5	1.00000	ug/L	12685		12/12/02 2013	pam
	trans-1,3-Dichloropropene	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,1,2-Trichloroethane	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Tetrachloroethene	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	2-Hexanone	ND	U	0.8	10	1.00000	ug/L	12685		12/12/02 2013	pam

Job Number: 202697

LABORATORY TEST RESULTS

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-13-15
Date Sampled.....: 12/10/2002
Time Sampled.....: 16:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202697-2
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLEX RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Styrene	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Bromoform	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam
	Xylenes (total)	ND	U	0.5	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,3-Dichlorobenzene	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,4-Dichlorobenzene	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,2-Dichlorobenzene	ND	U	0.2	5	1.00000	ug/L	12685		12/12/02 2013	pam
	1,2,4-Trichlorobenzene	ND	U	0.3	5	1.00000	ug/L	12685		12/12/02 2013	pam

* In Description = Dry Wgt.

Page 5

000 9

LABORATORY TEST RESULTS										
Job Number: 202697					Date:01/02/2003					
CUSTOMER: ROUX ASSOCIATES					ATTN: Mike Roux					
PROJECT: BASF										
Laboratory Sample ID: 202697-3										
Date Received.....: 12/11/2002										
Time Received.....: 09:50										
Customer Sample ID: 09-09-02										
Date Sampled.....: 12/10/2002										
Time Sampled.....: 11:40										
Sample Matrix.....: Soil										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	68.6		0.10	0.10	1	%	12661	12/13/02 0000	dwh
	% Moisture, Solid	31.4		0.10		1	%	12661	12/13/02 0000	dwh
8260B	Volatiles Organics		U	1	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Chloromethane, Solid*	ND								
	Vinyl chloride, Solid*	ND		0.6	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Bromomethane, Solid*	ND		4	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Chloroethane, Solid*	ND		1	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	1,1-Dichloroethane, Solid*			0.7	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Carbon disulfide, Solid*	3	B	0.3	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Acetone, Solid*	66	B	8	15	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Methylene chloride, Solid*			2	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	1,1-Dichloroethane, Solid*	3		0.7	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Vinyl acetate, Solid*			4	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	2-Butanone (MEK), Solid*	14	B	4	15	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Chloroform, Solid*			0.9	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	1,1,1-Trichloroethane, Solid*			0.7	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Carbon tetrachloride, Solid*			0.6	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	1,2-Dichloroethene (total), Solid*			0.7	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Benzene, Solid*	19		0.7	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	1,2-Dichloroethane, Solid*	6	H	0.6	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Trichloroethene, Solid*			0.7	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	1,2-Dichloropropane, Solid*			0.6	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Bromodichloromethane, Solid*			0.7	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	cis-1,3-Dichloropropene, Solid*			0.6	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	4-Methyl-2-pentanone (MIBK), Solid*			4	15	1.00000	ug/Kg	12803	12/12/02 1729	pam
	Toluene, Solid*			0.6	7	1.00000	ug/Kg	12803	12/12/02 1729	pam
	trans-1,3-Dichloropropene, Solid*			0.6	7	1.00000	ug/Kg	12803	12/12/02 1729	pam

* In Description = Dry Wgt.

00010

Job Number: 202697

LABORATORY TEST RESULTS

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-09-02
Date Sampled.....: 12/10/2002
Time Sampled.....: 11:40
Sample Matrix.....: Soil

Laboratory Sample ID: 202697-3
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	1,1,2-Trichloroethane, Solid*	ND	U	0.7	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	Tetrachloroethene, Solid*	ND	U	0.6	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	2-Hexanone, Solid*	ND	U	5	15	1.00000	ug/Kg	12803		12/12/02 1729	pam
	Dibromochloromethane, Solid*	ND	U	0.6	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	Chlorobenzene, Solid*	6	J	0.7	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	Ethylbenzene, Solid*	2	J	0.6	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	Styrene, Solid*	ND	U	0.7	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	Bromoform, Solid*	ND	U	0.9	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	1,1,2,2-Tetrachloroethane, Solid*	ND	U	1	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	Xylenes (total), Solid*	3	J	2	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	1,3-Dichlorobenzene, Solid*	ND	U	0.7	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	1,4-Dichlorobenzene, Solid*	2	J	0.9	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	1,2-Dichlorobenzene, Solid*	6	J	0.9	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	1,2,4-Trichlorobenzene, Solid*	6	J	1	7	1.00000	ug/Kg	12803		12/12/02 1729	pam
	Volatile Organics (5mL Purge)	ND	U	0.0003	0.005	1.00000	mg/L	12724		12/14/02 1911	pam
	Vinyl chloride, TCLP	ND	U	0.0006	0.005	1.00000	mg/L	12724		12/14/02 1911	pam
	1,1-Dichloroethene, TCLP	0.006	J	0.0004	0.010	1.00000	mg/L	12724		12/14/02 1911	pam
	2-Butanone (MEK), TCLP	ND	U	0.0002	0.005	1.00000	mg/L	12724		12/14/02 1911	pam
	Chloroform, TCLP	ND	U	0.0002	0.005	1.00000	mg/L	12724		12/14/02 1911	pam
	Carbon tetrachloride, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12724		12/14/02 1911	pam
	Benzene, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12724		12/14/02 1911	pam
	1,2-Dichloroethane, TCLP	ND	U	0.0008	0.005	1.00000	mg/L	12724		12/14/02 1911	pam
	Trichloroethene, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12724		12/14/02 1911	pam
	Tetrachloroethene, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12724		12/14/02 1911	pam
	Chlorobenzene, TCLP	0.0002	J	0.0002	0.005	1.00000	mg/L	12724		12/14/02 1911	pam

* In Description = Dry Wgt.

Page 7

00011

Job Number: 202697

LABORATORY TEST RESULTS

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-09-19

Date Sampled.....: 12/10/2002

Time Sampled.....: 11:50

Sample Matrix.....: Soil

Laboratory Sample ID: 202697-4

Date Received.....: 12/11/2002

Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics	ND	U		85	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Chloromethane, High/Med Level*	ND	U		130	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Vinyl chloride, High/Med Level*	ND	U		130	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Bromomethane, High/Med Level*	ND	U		90	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Chloroethane, High/Med Level*	ND	U		42	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	1,1-Dichloroethene, High/Med Level*	ND	U		5	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Carbon disulfide, High/Med Level*	ND	U		1600	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Acetone, High/Med Level*	ND	U		160	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Methylene chloride, High/Med Level*	ND	U		74	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	1,1-Dichloroethane, High/Med Level*	ND	U		240	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Vinyl acetate, High/Med Level*	ND	U		180	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	2-Butanone (MEK), High/Med Level*	ND	U		77	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Chloroform, High/Med Level*	ND	U		77	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	1,1,1-Trichloroethane, High/Med Level*	ND	U		90	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Carbon tetrachloride, High/Med Level*	ND	U		56	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	1,2-Dichloroethene (total), High/Med Level*	1000	U		170	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Benzene, High/Med Level*	540	J		39	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	1,2-Dichloroethane, High/Med Level*	ND	U		37	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Trichloroethene, High/Med Level*	ND	U		55	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Bromodichloromethane, High/Med Level*	ND	U		51	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	cis-1,3-Dichloropropene, High/Med Level*	ND	U		270	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	4-Methyl-2-pentanone (MIBK), High/Med Level*	ND	U		110	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Toluene, High/Med Level*	ND	U		49	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	trans-1,3-Dichloropropene, High/Med Level*	ND	U		52	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	1,1,2-Trichloroethane, High/Med Level*	ND	U		120	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Tetrachloroethene, High/Med Level*	ND	U		220	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	2-Hexanone, High/Med Level*	ND	U		56	630	1.00000	ug/Kg	12720		12/12/02 1450	pan
	Dibromochloromethane, High/Med Level*	ND	U									pan

* In Description = Dry Wgt.

Page 8

00012

LABORATORY TEST RESULTS

Job Number: 202697

Date: 01/02/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-09-19
Date Sampled.....: 12/10/2002
Time Sampled.....: 11:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202697-4
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	Chlorobenzene, High/Med Level*	ND	U	99	630	1.00000	ug/Kg	12720		12/12/02 1450	pam
	Ethylbenzene, High/Med Level*	ND	U	95	630	1.00000	ug/Kg	12720		12/12/02 1450	pam
	Styrene, High/Med Level*	ND	U	96	630	1.00000	ug/Kg	12720		12/12/02 1450	pam
	Bromoform, High/Med Level*	ND	U	60	630	1.00000	ug/Kg	12720		12/12/02 1450	pam
	1,1,2,2-Tetrachloroethane, High/Med Level*	ND	U	110	630	1.00000	ug/Kg	12720		12/12/02 1450	pam
	Xylenes (total), High/Med Level*	350	J	330	630	1.00000	ug/Kg	12720		12/12/02 1450	pam
	1,3-Dichlorobenzene, High/Med Level*	800		110	630	1.00000	ug/Kg	12720		12/12/02 1450	pam
	1,4-Dichlorobenzene, High/Med Level*	2200		130	630	1.00000	ug/Kg	12720		12/12/02 1450	pam
	1,2-Dichlorobenzene, High/Med Level*	6100		110	630	1.00000	ug/Kg	12720		12/12/02 1450	pam
	1,2,4-Trichlorobenzene, High/Med Level*	2000		630	630	1.00000	ug/Kg	12720		12/12/02 1450	pam
	% Solids, Solid	79.7		0.10	0.10	1	%	12661		12/13/02 0000	dkh
	% Moisture, Solid	20.3		0.10	0.10	1	%	12661		12/13/02 0000	dkh
	Volatle Organics (5mL Purge)										
	Vinyl chloride, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12724		12/14/02 1944	pam
8260B	1,1-Dichloroethene, TCLP	ND	U	0.0006	0.005	1.00000	mg/L	12724		12/14/02 1944	pam
	2-Butanone (MEK), TCLP	0.006	J	0.0004	0.010	1.00000	mg/L	12724		12/14/02 1944	pam
	Chloroform, TCLP	ND	U	0.0002	0.005	1.00000	mg/L	12724		12/14/02 1944	pam
	Carbon tetrachloride, TCLP	ND	U	0.0002	0.005	1.00000	mg/L	12724		12/14/02 1944	pam
	Benzene, TCLP	0.039		0.0003	0.005	1.00000	mg/L	12724		12/14/02 1944	pam
	1,2-Dichloroethane, TCLP	0.01		0.0003	0.005	1.00000	mg/L	12724		12/14/02 1944	pam
	Trichloroethene, TCLP	ND	U	0.0008	0.005	1.00000	mg/L	12724		12/14/02 1944	pam
	Tetrachloroethene, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12724		12/14/02 1944	pam
	Chlorobenzene, TCLP	0.035		0.0002	0.005	1.00000	mg/L	12724		12/14/02 1944	pam

* In Description = Dry Wgt.

Page 9

00013

LABORATORY TEST RESULTS												
Job Number: 202697												
Date:01/10/2003												
CUSTOMER: ROUX ASSOCIATES												
PROJECT: BASF												
ATTN: Mike Roux												
Laboratory Sample ID: 202697-1												
Date Sampled.....: 12/10/2002												
Time Received.....: 09:50												
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	50.5			0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	49.5			0.10	0.10	1	%	12661		12/13/02 0000	dwh
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		380	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Bis(2-chloroethyl)ether, Solid*	ND	U		1600	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	n-Nitroso-di-n-propylamine, Solid*	ND	U		220	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Hexachloroethane, Solid*	ND	U		330	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Nitrobenzene, Solid*	ND	U		390	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Bis(2-chloroethoxy)methane, Solid*	ND	U		220	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Isophorone, Solid*	ND	U		360	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Hexachlorobutadiene, Solid*	ND	U		520	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Naphthalene, Solid*	ND	U		500	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	2,4,5-Trichlorophenol, Solid*	ND	U	M	160	25000	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Hexachlorocyclopentadiene, Solid*	ND	U		710	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	2-Methylnaphthalene, Solid*	ND	U		440	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	2-Nitroaniline, Solid*	ND	U		350	25000	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	2-Chloronaphthalene, Solid*	ND	U		300	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	2,6-Dinitrotoluene, Solid*	ND	U		220	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	3-Nitroaniline, Solid*	ND	U		280	25000	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Dimethyl phthalate, Solid*	ND	U		240	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Acenaphthylene, Solid*	2900	U		170	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	2,4-Dinitrotoluene, Solid*	ND	U		300	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Acenaphthene, Solid*	ND	J		240	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Dibenzofuran, Solid*	ND	U		240	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	4-Nitrophenol, Solid*	ND	U		1300	25000	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
	Fluorene, Solid*	ND	U		310	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdwh
4-Nitroaniline, Solid*	3000	U		380	10000	4.00000	ug/Kg	12807		12/12/02 1746	jdwh	

* In Description = Dry Wgt.

00018

LABORATORY TEST RESULTS												
Job Number: 202697			Date: 01/10/2003									
CUSTOMER: ROUX ASSOCIATES			PROJECT: BASF									
			ATTN: Mike Roux									
Customer Sample ID: 09-13-07			Laboratory Sample ID: 202697-1									
Date Sampled.....: 12/10/2002			Date Received.....: 12/11/2002									
Time Sampled.....: 15:50			Time Received.....: 09:50									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Bromophenyl phenyl ether, Solid*	ND	U		200	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Hexachlorobenzene, Solid*	ND	U		300	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Diethyl phthalate, Solid*	ND	U		270	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	4-Chlorophenyl phenyl ether, Solid*	ND	U		250	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Pentachlorophenol, Solid*	ND	U		680	25000	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	n-Nitrosodiphenylamine, Solid*	ND	U		250	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Phenanthrene, Solid*	ND	U		380	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Anthracene, Solid*	ND	U		190	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Di-n-butyl phthalate, Solid*	ND	U		220	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Fluoranthene, Solid*	ND	U		350	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Pyrene, Solid*	ND	U		300	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Butyl benzyl phthalate, Solid*	ND	U		200	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Benzo(a)anthracene, Solid*	ND	U		240	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Chrysene, Solid*	ND	U		270	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		570	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Di-n-octyl phthalate, Solid*	ND	U		190	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Benzo(b)fluoranthene, Solid*	ND	U		600	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Benzo(k)fluoranthene, Solid*	ND	U		610	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Benzo(a)pyrene, Solid*	ND	U		250	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		280	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Dibenzo(a,h)anthracene, Solid*	ND	U		280	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Benzo(ghi)perylene, Solid*	ND	U		270	5200	4.00000	ug/Kg	12807		12/12/02 1746	jdW
	Pyridine, TCLP	ND	U		0.009	0.040	1.00000	mg/L	12807		12/12/02 1746	jdW
	1,4-Dichlorobenzene, TCLP	ND	J	0.009	0.0004	20	1.00000	mg/L	12807		12/27/02 1511	jdW
	2-Methylphenol, TCLP	ND	U		0.0006	20	1.00000	mg/L	12807		12/27/02 1511	jdW
	Hexachloroethane, TCLP	ND	U		0.0008	20	1.00000	mg/L	12807		12/27/02 1511	jdW
	4-Methylphenol, TCLP	ND	U		0.001	20	1.00000	mg/L	12807		12/27/02 1511	jdW
	Nitrobenzene, TCLP	ND	U		0.0006	20	1.00000	mg/L	12807		12/27/02 1511	jdW
	Hexachlorobutadiene, TCLP	ND	U		0.001	20	1.00000	mg/L	12807		12/27/02 1511	jdW

* In Description = Dry Wgt.

00019

LABORATORY TEST RESULTS												
Job Number: 202697					Date: 01/10/2003							
CUSTOMER: ROUX ASSOCIATES					PROJECT: BASF							
Customer Sample ID: 09-13-07 Date Sampled.....: 12/10/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil					Laboratory Sample ID: 202697-1 Date Received.....: 12/11/2002 Time Received.....: 09:50							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,4,6-Trichlorophenol, TCLP	ND	U		0.0008	20	1.00000	mg/L	12807		12/27/02 1511	jdW
	2,4,5-Trichlorophenol, TCLP	ND	U		0.0006	100	1.00000	mg/L	12807		12/27/02 1511	jdW
	Hexachlorobenzene, TCLP	ND	U		0.001	20	1.00000	mg/L	12807		12/27/02 1511	jdW
	Pentachlorophenol, TCLP	ND	U		0.005	100	1.00000	mg/L	12807		12/27/02 1511	jdW

* In Description = Dry Wgt.

00020

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

09-13-07

00021

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 202697 SAS No.:

SDG No.: 202697

Matrix: (soil/water) SOIL

Lab Sample ID: 202697-1

Sample wt/vol: 15.1 (g/mL) G

Lab File ID: P5943

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 50 decanted: (Y/N) N

Date Extracted: 12/12/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/12/02

Injection Volume: (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N

pH:

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	3.57	95000	JAB
2. 106-46-7	BENZENE, 1,4-DICHLORO-	4.99	10000	NJ
3.	UNKNOWN C7H9N ISOMER	5.45	10000	J
4.	UNKNOWN C7H9N ISOMER	5.49	19000	J
5.	UNKNOWN	9.39	16000	J
6.	UNKNOWN	11.29	16000	J
7.	UNKNOWN	11.84	100000	J
8.	UNKNOWN	12.21	9200	J
9.	UNKNOWN	12.25	12000	J
10.	UNKNOWN	12.31	10000	J
11.	UNKNOWN	12.34	13000	J
12.	UNKNOWN	12.49	9500	J
13.	UNKNOWN	12.67	9400	J
14.	UNKNOWN	12.72	31000	J
15.	UNKNOWN	12.85	14000	J
16.	UNKNOWN C17H12O3 ISOMER	12.99	54000	J
17.	UNKNOWN	13.07	21000	J
18.	UNKNOWN C19H17NO2 ISOMER	13.18	11000	J
19.	UNKNOWN	13.37	16000	J
20.	UNKNOWN	13.50	38000	J
21.	UNKNOWN	14.03	18000	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

LABORATORY TEST RESULTS												
Job Number: 202697						Date:01/10/2003						
CUSTOMER: ROUX ASSOCIATES						ATTN: Mike Roux						
Customer Sample ID: 09-13-07 Date Sampled.....: 12/10/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202697-1 Date Received.....: 12/11/2002 Time Received.....: 09:50						
PROJECT: BASF						O						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics	ND	U		0.009	0.040	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	Pyridine, TCLP	0.007	J		0.0004	20	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	1,4-Dichlorobenzene, TCLP	ND	U		0.0006	20	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	2-Methylphenol, TCLP	ND	U		0.0008	20	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	Hexachloroethane, TCLP	ND	U		0.001	20	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	4-Methylphenol, TCLP	0.001	J	M	0.0006	20	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	Nitrobenzene, TCLP	ND	U		0.001	20	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	Hexachlorobutadiene, TCLP	ND	U		0.0008	20	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	2,4,6-Trichlorophenol, TCLP	ND	U		0.0006	100	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	2,4,5-Trichlorophenol, TCLP	ND	U		0.001	20	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	Hexachlorobenzene, TCLP	ND	U		0.001	20	1.00000	mg/L	12807	RE	01/06/03 1840	jdW
	Pentachlorophenol, TCLP				0.005	100	1.00000	mg/L	12807	RE	01/06/03 1840	jdW

LABORATORY TEST RESULTS

Job Number: 202697

Date: 01/10/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-13-15
Date Sampled.....: 12/10/2002
Time Sampled.....: 16:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202697-2
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatiles Organics	ND	U									
	Phenol	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Bis(2-chloroethyl) ether	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	n-Nitroso-di-n-propylamine	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Hexachloroethane	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Nitrobenzene	ND	U		0.3	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Bis(2-chloroethoxy)methane	ND	U		0.2	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Isophorone	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Hexachlorobutadiene	ND	U		0.5	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Naphthalene	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	2,4,5-Trichlorophenol	ND	U		0.3	53	1.00000	ug/L	12807		12/16/02 1911	jd
	Hexachlorocyclopentadiene	ND	U		0.6	11	1.00000	ug/L	12807		12/16/02 1911	jd
	2-Methylnaphthalene	ND	U		0.3	11	1.00000	ug/L	12807		12/16/02 1911	jd
	2-Nitroaniline	ND	U		0.4	53	1.00000	ug/L	12807		12/16/02 1911	jd
	2-Chloronaphthalene	ND	U		0.5	11	1.00000	ug/L	12807		12/16/02 1911	jd
	2,6-Dinitrotoluene	ND	U		0.3	11	1.00000	ug/L	12807		12/16/02 1911	jd
	3-Nitroaniline	ND	U		0.4	53	1.00000	ug/L	12807		12/16/02 1911	jd
	Dimethyl phthalate	ND	U		0.3	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Acenaphthylene	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	2,4-Dinitrotoluene	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Acenaphthene	ND	U		0.3	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Dibenzofuran	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	4-Nitrophenol	ND	U		0.4	53	1.00000	ug/L	12807		12/16/02 1911	jd
	Fluorene	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	4-Nitroaniline	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd
	4-Bromophenyl phenyl ether	ND	U		0.6	21	1.00000	ug/L	12807		12/16/02 1911	jd
	Hexachlorobenzene	ND	U		0.3	11	1.00000	ug/L	12807		12/16/02 1911	jd
	Diethyl phthalate	ND	U		0.5	11	1.00000	ug/L	12807		12/16/02 1911	jd
	4-Chlorophenyl phenyl ether	ND	U		0.3	11	1.00000	ug/L	12807		12/16/02 1911	jd
		ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jd

* In Description = Dry Wgt.

Page 6

00023

Job Number: 202697

LABORATORY TEST RESULTS

Date: 01/10/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-13-15
Date Sampled.....: 12/10/2002
Time Sampled.....: 16:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202697-2
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Pentachlorophenol	ND	U		3	53	1.00000	ug/L	12807		12/16/02 1911	jdW
	n-Nitrosodiphenylamine	ND	U		0.5	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Phenanthrene	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Anthracene	ND	U		0.5	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Di-n-butyl phthalate	ND	U		0.5	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Fluoranthene	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Pyrene	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Butyl benzyl phthalate	ND	U		0.3	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Benzo(a)anthracene	ND	U		0.5	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Chrysene	ND	U		0.6	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Bis(2-ethylhexyl)phthalate	ND	U	M	0.5	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Di-n-octyl phthalate	ND	U		0.5	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Benzo(b)fluoranthene	ND	U		1	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Benzo(k)fluoranthene	ND	U		0.3	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Benzo(a)pyrene	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Indeno(1,2,3-cd)pyrene	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Dibenzo(a,h)anthracene	ND	U		0.5	11	1.00000	ug/L	12807		12/16/02 1911	jdW
	Benzo(ghi)perylene	ND	U		0.4	11	1.00000	ug/L	12807		12/16/02 1911	jdW

* In Description = Dry Wgt.

Page 7

00024

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

09-13-15

00005

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 202697 SAS No.:

SDG No.: 202697

Matrix: (soil/water) WATER

Lab Sample ID: 202697-2

Sample wt/vol: 940.0 (g/mL) ML

Lab File ID: P5994

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/12/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/16/02

Injection Volume: _____ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

LABORATORY TEST RESULTS

Job Number: 202697

Date: 01/10/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-09-02
Date Sampled.....: 12/10/2002
Time Sampled.....: 11:40
Sample Matrix.....: Soil

Laboratory Sample ID: 202697-3
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	68.6			0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	31.4			0.10	0.10	1	%	12661		12/13/02 0000	dwh
8270C	Semivolatle Organics											
	Phenol, Solid*	ND	U		69	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Bis(2-chloroethyl)ether, Solid*	ND	U		290	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	n-Nitroso-di-n-propylamine, Solid*	ND	U		40	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Hexachloroethane, Solid*	ND	U		60	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Nitrobenzene, Solid*	ND	U		71	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Bis(2-chloroethoxy)methane, Solid*	ND	U		40	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Isophorone, Solid*	ND	U		66	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Hexachlorobutadiene, Solid*	ND	U		94	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Naphthalene, Solid*	ND	U		91	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	2,4,5-Trichlorophenol, Solid*	ND	U		29	4600	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Hexachlorocyclopentadiene, Solid*	ND	U		130	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	2-Methylnaphthalene, Solid*	ND	U		80	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	2-Nitroaniline, Solid*	ND	U		63	4600	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	2-Chloronaphthalene, Solid*	ND	U		54	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	2,6-Dinitrotoluene, Solid*	ND	U		40	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	3-Nitroaniline, Solid*	ND	U		51	4600	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Dimethyl phthalate, Solid*	ND	U		43	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Acenaphthylene, Solid*	ND	U		31	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	2,4-Dinitrotoluene, Solid*	ND	U		54	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Acenaphthene, Solid*	ND	U		43	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Dibenzofuran, Solid*	ND	U		43	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	4-Nitrophenol, Solid*	ND	U		240	4600	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	Fluorene, Solid*	ND	U		57	940	2.00000	ug/Kg	12807		12/12/02 1813	jdwh
	4-Nitroaniline, Solid*	ND	U		69	1900	2.00000	ug/Kg	12807		12/12/02 1813	jdwh

* In Description = Dry Wgt.

Page 8

000026

LABORATORY TEST RESULTS												
Job Number: 202697												
Date:01/10/2003												
CUSTOMER: ROUX ASSOCIATES												
PROJECT: BASF												
ATTN: Mike Roux												
Laboratory Sample ID: 202697-3												
Date Sampled.....: 12/10/2002												
Time Received.....: 11:40												
Sample Matrix.....: Soil												
Time Received.....: 09:50												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Bromophenyl phenyl ether, Solid*	ND	U		37	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Hexachlorobenzene, Solid*	ND	U		54	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Diethyl phthalate, Solid*	ND	U		49	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	4-Chlorophenyl phenyl ether, Solid*	ND	U		46	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Pentachlorophenol, Solid*	ND	U		120	4600	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	n-Nitrosodiphenylamine, Solid*	ND	U		46	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Phenanthrene, Solid*	ND	U		69	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Anthracene, Solid*	ND	U		34	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Di-n-butyl phthalate, Solid*	ND	U		40	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Fluoranthene, Solid*	ND	U		63	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Pyrene, Solid*	ND	U		54	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Butyl benzyl phthalate, Solid*	ND	U		37	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Benzo(a)anthracene, Solid*	ND	U		43	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Chrysene, Solid*	ND	U		49	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		100	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Di-n-octyl phthalate, Solid*	ND	U		34	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Benzo(b)fluoranthene, Solid*	ND	U		110	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Benzo(k)fluoranthene, Solid*	ND	U		110	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Benzo(a)pyrene, Solid*	ND	U		46	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		51	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Dibenzo(a,h)anthracene, Solid*	ND	U		51	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Benzo(ghi)perylene, Solid*	ND	U		49	940	2.00000	ug/Kg	12807		12/12/02 1813	jdW
	Pyridine, TCLP	ND	U		0.009	0.040	1.00000	ug/Kg	12807		12/12/02 1813	jdW
	1,4-Dichlorobenzene, TCLP	ND	U		0.0004	20	1.00000	mg/L	12807		12/27/02 1537	jdW
	2-Methylphenol, TCLP	ND	U		0.0006	20	1.00000	mg/L	12807		12/27/02 1537	jdW
	Hexachloroethane, TCLP	ND	U		0.0008	20	1.00000	mg/L	12807		12/27/02 1537	jdW
	4-Methylphenol, TCLP	ND	U		0.001	20	1.00000	mg/L	12807		12/27/02 1537	jdW
	Nitrobenzene, TCLP	ND	U		0.0006	20	1.00000	mg/L	12807		12/27/02 1537	jdW
	Hexachlorobutadiene, TCLP	ND	U		0.001	20	1.00000	mg/L	12807		12/27/02 1537	jdW

* In Description = Dry Wgt.

00027

LABORATORY TEST RESULTS												
Job Number: 202697					Date:01/10/2003							
CUSTOMER: ROUX ASSOCIATES					PROJECT: BASF							
Customer Sample ID: 09-09-02 Date Sampled.....: 12/10/2002 Time Sampled.....: 11:40 Sample Matrix.....: Soil					Laboratory Sample ID: 202697-3 Date Received.....: 12/11/2002 Time Received.....: 09:50 ATTN: Mike Roux							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,4,6-Trichlorophenol, TCLP	ND	U		0.0008	20	1.00000	mg/L	12807		12/27/02 1537	jdW
	2,4,5-Trichlorophenol, TCLP	ND	U		0.0006	100	1.00000	mg/L	12807		12/27/02 1537	jdW
	Hexachlorobenzene, TCLP	ND	U		0.001	20	1.00000	mg/L	12807		12/27/02 1537	jdW
	Pentachlorophenol, TCLP	ND	U		0.005	100	1.00000	mg/L	12807		12/27/02 1537	jdW

* In Description = Dry Wgt.

00028

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

09-09-02

00029

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 202697 SAS No.:

SDG No.: 202697

Matrix: (soil/water) SOIL

Lab Sample ID: 202697-3

Sample wt/vol: 15.3 (g/mL) G

Lab File ID: P5944

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 31 decanted: (Y/N) N

Date Extracted: 12/12/02

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 12/12/02

Injection Volume: _____ (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N

pH: ____

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.04	380	JB
2.	UNKNOWN	3.33	2800	J
3.	ALDOL CONDENSATION PRODUCT	3.58	43000	JAB
4.	UNKNOWN	4.18	2000	J
5.	UNKNOWN	7.88	470	J
6.	UNKNOWN	8.41	240	J
7.	UNKNOWN	9.14	290	J
8.	UNKNOWN	9.29	310	J
9. 10544-50-0	CYCLIC OCTAATOMIC SULFUR	10.24	61000	NJ
10.	UNKNOWN	11.12	250	J
11.	UNKNOWN	11.16	230	J
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

LABORATORY TEST RESULTS											
Job Number: 202697						Date:01/10/2003					
CUSTOMER: ROUX ASSOCIATES						ATTN: Mike Roux					
Laboratory Sample ID: 202697-4 Date Received.....: 12/11/2002 Time Received.....: 09:50											
Customer Sample ID: 09-09-19 Date Sampled.....: 12/10/2002 Time Sampled.....: 11:50 Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	79.7		0.10	0.10	1	%	12661		12/13/02 0000	dkh
	% Moisture, Solid	20.3		0.10	0.10	1	%	12661		12/13/02 0000	dkh
8270C	Semivolatile Organics										
	Phenol, Solid*	420	J	240	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Bis(2-chloroethyl)ether, Solid*	ND	U	1000	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	n-Nitroso-di-n-propylamine, Solid*	ND	U	140	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Hexachloroethane, Solid*	ND	U	210	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Nitrobenzene, Solid*	ND	U	250	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Bis(2-chloroethoxy)methane, Solid*	ND	U	140	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Isophorone, Solid*	ND	U	230	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Hexachlorobutadiene, Solid*	ND	U	330	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Naphthalene, Solid*	530	J	320	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	2,4,5-Trichlorophenol, Solid*	ND	U	99	16000	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Hexachlorocyclopentadiene, Solid*	ND	U	450	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	2-Methylnaphthalene, Solid*	710	U	280	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	2-Nitroaniline, Solid*	ND	U	220	16000	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	2-Chloronaphthalene, Solid*	ND	U	190	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	2,6-Dinitrotoluene, Solid*	ND	U	140	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	3-Nitroaniline, Solid*	7000	J	180	16000	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Dimethyl phthalate, Solid*	12000	U	150	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Acenaphthylene, Solid*	ND	U	110	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	2,4-Dinitrotoluene, Solid*	ND	U	190	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Acenaphthene, Solid*	480	J	150	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Dibenzofuran, Solid*	ND	U	150	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	4-Nitrophenol, Solid*	ND	U	840	16000	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	Fluorene, Solid*	ND	U	200	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdwh
	4-Nitroaniline, Solid*	ND	U	240	6500	4.00000	ug/Kg	12807		12/12/02 1839	jdwh

* In Description = Dry Wgt.

00030

LABORATORY TEST RESULTS											
Job Number: 202697						Date: 01/10/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
ATTN: Mike Roux											
Laboratory Sample ID: 202697-4 Date Sampled.....: 12/10/2002 Date Received.....: 12/11/2002 Time Sampled.....: 11:50 Time Received.....: 09:50 Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Bromophenyl phenyl ether, Solid*	ND	U	130	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Hexachlorobenzene, Solid*	ND	U	190	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Diethyl phthalate, Solid*	11000		170	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	4-Chlorophenyl phenyl ether, Solid*	ND	U	160	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Pentachlorophenol, Solid*	ND	U	430	16000	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	n-Nitrosodiphenylamine, Solid*	2400	J	160	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Phenanthrene, Solid*	1100	J	240	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Anthracene, Solid*	430	J	120	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Di-n-butyl phthalate, Solid*	25000	J	140	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Fluoranthene, Solid*	1300	J	220	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Pyrene, Solid*	1300	J	190	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Butyl benzyl phthalate, Solid*	ND	U	130	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Benzo(a)anthracene, Solid*	1000	J	150	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Chrysene, Solid*	790	J	170	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U	360	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Di-n-octyl phthalate, Solid*	ND	U	120	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Benzo(b)fluoranthene, Solid*	630	J	380	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Benzo(k)fluoranthene, Solid*	660	J	390	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Benzo(a)pyrene, Solid*	1100	J	160	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Indeno(1,2,3-cd)pyrene, Solid*	570	J	180	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Dibenzo(a,h)anthracene, Solid*	ND	U	180	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Benzo(ghi)perylene, Solid*	330	J	170	3300	4.00000	ug/Kg	12807		12/12/02 1839	jdW
	Pyridine, TCLP	ND	U	0.009	0.040	1.00000	mg/L	12807		12/27/02 1603	jdW
	1,4-Dichlorobenzene, TCLP	0.006	J	0.0004	20	1.00000	mg/L	12807		12/27/02 1603	jdW
	2-Methylphenol, TCLP	0.002	J	0.0006	20	1.00000	mg/L	12807		12/27/02 1603	jdW
	Hexachloroethane, TCLP	ND	U	0.0008	20	1.00000	mg/L	12807		12/27/02 1603	jdW
	4-Methylphenol, TCLP	ND	U	0.001	20	1.00000	mg/L	12807		12/27/02 1603	jdW
	Nitrobenzene, TCLP	ND	U	0.0006	20	1.00000	mg/L	12807		12/27/02 1603	jdW
	Hexachlorobutadiene, TCLP	ND	U	0.001	20	1.00000	mg/L	12807		12/27/02 1603	jdW

* In Description = Dry Wgt.

00031

LABORATORY TEST RESULTS												
Job Number: 202697					Date: 01/10/2003							
CUSTOMER: ROUX ASSOCIATES					PROJECT: BASF							
Customer Sample ID: 09-09-19 Date Sampled: 12/10/2002 Time Sampled: 11:50 Sample Matrix: Soil					Laboratory Sample ID: 202697-4 Date Received: 12/11/2002 Time Received: 09:50							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,4,6-Trichlorophenol, TCLP	ND	U		0.0008	20	1.00000	mg/L	12807		12/27/02 1603	jdW
	2,4,5-Trichlorophenol, TCLP	ND	U		0.0006	100	1.00000	mg/L	12807		12/27/02 1603	jdW
	Hexachlorobenzene, TCLP	ND	U		0.001	20	1.00000	mg/L	12807		12/27/02 1603	jdW
	Pentachlorophenol, TCLP	ND	U		0.005	100	1.00000	mg/L	12807		12/27/02 1603	jdW

* In Description = Dry Wgt.

00032

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

09-09-19

00033

Lab Name: STL-CT

Contract:

Lab Code: STLCT

Case No.: 202697

SAS No.:

SDG No.: 202697

Matrix: (soil/water) SOIL

Lab Sample ID: 202697-4

Sample wt/vol: 15.2 (g/mL) G

Lab File ID: P5945

Level: (low/med) LOW

Date Received: 12/11/02

% Moisture: 20 decanted: (Y/N) N

Date Extracted: 12/12/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/12/02

Injection Volume: (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N

pH:

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	3.57	60000	JAB
2.	UNKNOWN C7H9N ISOMER	5.42	48000	J
3. 106-47-8	P-CHLOROANILINE	6.29	45000	J
4.	UNKNOWN C7H9NO ISOMER	6.37	39000	J
5.	UNKNOWN C10H9N ISOMER	8.36	140000	J
6.	UNKNOWN C13H10O ISOMER	8.68	32000	J
7.	UNKNOWN C12H9NO2S ISOMER	11.02	16000	J
8.	UNKNOWN C16H14N2O ISOMER	11.08	20000	J
9.	UNKNOWN	11.23	19000	J
10.	UNKNOWN C17H22N2 ISOMER	11.54	19000	J
11.	UNKNOWN C13H8CLNO3 ISOMER	11.68	44000	J
12.	UNKNOWN	11.98	19000	J
13.	UNKNOWN	12.20	24000	J
14.	UNKNOWN	12.40	17000	J
15.	UNKNOWN	12.59	170000	J
16.	UNKNOWN	12.61	30000	J
17.	UNKNOWN	13.43	41000	J
18.	UNKNOWN	13.49	17000	J
19.	UNKNOWN	14.31	32000	J
20.	UNKNOWN C21H13N ISOMER	15.06	16000	J
21.	UNKNOWN C25H31N3 ISOMER	16.24	20000	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

LABORATORY TEST RESULTS											
Job Number: 202697						Date: 01/02/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
Customer Sample ID: 09-13-07 Date Sampled.....: 12/10/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202697-1 Date Received.....: 12/11/2002 Time Received.....: 09:50					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	50.5		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	49.5		0.10	0.10	1	%	12661		12/13/02 0000	dwh
8082	PCB Analysis	ND	U	27	330	10.0000	ug/Kg	13122		12/20/02 0104	dmm
	Aroclor 1016, Solid*	ND	U	24	640	10.0000	ug/Kg	13122		12/20/02 0104	dmm
	Aroclor 1221, Solid*	ND	U	28	330	10.0000	ug/Kg	13122		12/20/02 0104	dmm
	Aroclor 1232, Solid*	ND	U	29	330	10.0000	ug/Kg	13122		12/20/02 0104	dmm
	Aroclor 1242, Solid*	ND	U	19	330	10.0000	ug/Kg	13122		12/20/02 0104	dmm
	Aroclor 1248, Solid*	ND	U	31	330	10.0000	ug/Kg	13122		12/20/02 0104	dmm
	Aroclor 1254, Solid*	ND	U	27	330	10.0000	ug/Kg	13122		12/20/02 0104	dmm
	Aroclor 1260, Solid*	ND	U							12/20/02 0104	dmm

* In Description = Dry Wgt.

00037

LABORATORY TEST RESULTS												
Job Number: 202697						Date:01/02/2003						
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF						
Customer Sample ID: 09-13-15 Date Sampled.....: 12/10/2002 Time Sampled.....: 16:00 Sample Matrix.....: Groundwater						Laboratory Sample ID: 202697-2 Date Received.....: 12/11/2002 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis	ND	U		0.045	0.50	1.00000	ug/L	13122		12/20/02 1650	dmm
	Aroclor 1016	ND	U		0.092	1.0	1.00000	ug/L	13122		12/20/02 1650	dmm
	Aroclor 1221	ND	U		0.16	0.50	1.00000	ug/L	13122		12/20/02 1650	dmm
	Aroclor 1232	ND	U		0.076	0.50	1.00000	ug/L	13122		12/20/02 1650	dmm
	Aroclor 1242	ND	U		0.075	0.50	1.00000	ug/L	13122		12/20/02 1650	dmm
	Aroclor 1248	ND	U		0.074	0.50	1.00000	ug/L	13122		12/20/02 1650	dmm
	Aroclor 1254	ND	U		0.037	0.50	1.00000	ug/L	13122		12/20/02 1650	dmm
	Aroclor 1260	ND	U									

* In Description = Dry Wgt.

00038

LABORATORY TEST RESULTS											
Job Number: 202697						Date: 01/02/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
Customer Sample ID: 09-09-02 Date Sampled.....: 12/10/2002 Time Sampled.....: 11:40 Sample Matrix.....: Soil						Laboratory Sample ID: 202697-3 Date Received.....: 12/11/2002 Time Received.....: 09:50					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216 8082	% Solids, Solid	68.6		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	31.4		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	PCB Analysis										
	Aroclor 1016, Solid*	ND	U	2.0	24	1.00000	ug/Kg	13123		12/20/02 0304	dmm
	Aroclor 1221, Solid*	ND	U	1.8	47	1.00000	ug/Kg	13123		12/20/02 0304	dmm
	Aroclor 1232, Solid*	ND	U	2.1	24	1.00000	ug/Kg	13123		12/20/02 0304	dmm
	Aroclor 1242, Solid*	ND	U	2.1	24	1.00000	ug/Kg	13123		12/20/02 0304	dmm
	Aroclor 1248, Solid*	ND	U	3.7	24	1.00000	ug/Kg	13123		12/20/02 0304	dmm
	Aroclor 1254, Solid*	ND	U	2.6	24	1.00000	ug/Kg	13123		12/20/02 0304	dmm
	Aroclor 1260, Solid*	ND	U	2.0	24	1.00000	ug/Kg	13123		12/20/02 0304	dmm

* In Description = Dry Wgt.

00039

LABORATORY TEST RESULTS											
Job Number: 202697						Date: 01/02/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
Customer Sample ID: 09-09-19 Date Sampled.....: 12/10/2002 Time Sampled.....: 11:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202697-4 Date Received.....: 12/11/2002 Time Received.....: 09:50					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	79.7		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	20.3		0.10	0.10	1	%	12661		12/13/02 0000	dwh
8082	PCB Analysis										
	Aroclor 1016, Solid*	ND	U	1.7	21	1.00000	ug/Kg	13123		12/20/02 0424	dmm
	Aroclor 1221, Solid*	ND	U	1.5	41	1.00000	ug/Kg	13123		12/20/02 0424	dmm
	Aroclor 1232, Solid*	ND	U	1.8	21	1.00000	ug/Kg	13123		12/20/02 0424	dmm
	Aroclor 1242, Solid*	ND	U	1.8	21	1.00000	ug/Kg	13123		12/20/02 0424	dmm
	Aroclor 1248, Solid*	170		1.2	21	1.00000	ug/Kg	13122		12/20/02 0424	dmm
	Aroclor 1254, Solid*	260	M	1.9	21	1.00000	ug/Kg	13122		12/20/02 0424	dmm
	Aroclor 1260, Solid*	77	M	1.7	21	1.00000	ug/Kg	13122		12/20/02 0424	dmm

* In Description = Dry Wgt.

00040

LABORATORY TEST RESULTS											
Job Number: 202697						Date:12/20/2002					
CUSTOMER: ROUX ASSOCIATES						ATTN: Mike Roux					
Customer Sample ID: 09-13-07 Date Sampled.....: 12/10/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202697-1 Date Received.....: 12/11/2002 Time Received.....: 09:50					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
ASTM D-2216	% Solids, Solid	50.5		0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	49.5		0.10	0.10	1	%	12661		12/13/02 0000	dwh
7471A	Mercury (CVAA) Solids	1.3	B	0.076	3.0	1.0000	mg/Kg	12626		12/13/02 0911	nnp
60108	Mercury, Solid*										
	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	667	B	467	4150	10	mg/Kg	12667		12/13/02 1754	nnp
	Antimony, Solid*	ND	U	19.3	188	10	mg/Kg	12667		12/13/02 1754	nnp
	Arsenic, Solid*	56.7	B	16.1	129	10	mg/Kg	12667		12/13/02 1754	nnp
	Barium, Solid*	24.3	B	4.8	32.2	10	mg/Kg	12667		12/13/02 1754	nnp
	Beryllium, Solid*	ND	U	8.0	32.2	10	mg/Kg	12667		12/13/02 1754	nnp
	Cadmium, Solid*	ND	U	16.1	48.3	10	mg/Kg	12667		12/13/02 1754	nnp
	Calcium, Solid*	1600		138	1370	10	mg/Kg	12667		12/13/02 1754	nnp
	Chromium, Solid*	51300		8.0	48.3	10	mg/Kg	12667		12/13/02 1754	nnp
	Cobalt, Solid*	34.5		4.8	32.2	10	mg/Kg	12667		12/13/02 1754	nnp
	Copper, Solid*	3070		8.0	80.5	10	mg/Kg	12667		12/13/02 1754	nnp
	Iron, Solid*	490000		354	2330	10	mg/Kg	12667		12/13/02 1754	nnp
	Lead, Solid*	986		16.1	145	10	mg/Kg	12667		12/13/02 1754	nnp
	Magnesium, Solid*	159		58.0	563	10	mg/Kg	12667		12/13/02 1754	nnp
	Manganese, Solid*	2580	B	4.8	40.2	10	mg/Kg	12667		12/13/02 1754	nnp
	Nickel, Solid*	473		8.0	80.5	10	mg/Kg	12667		12/13/02 1754	nnp
	Potassium, Solid*	ND	U	692	3220	10	mg/Kg	12667		12/13/02 1754	nnp
	Selenium, Solid*	ND	U	25.8	258	10	mg/Kg	12667		12/13/02 1754	nnp
	Silver, Solid*	ND	U	4.8	48.3	10	mg/Kg	12667		12/13/02 1754	nnp
	Sodium, Solid*	606	B	151	1510	10	mg/Kg	12667		12/13/02 1754	nnp
	Thallium, Solid*	ND	U	48.3	354	10	mg/Kg	12667		12/13/02 1754	nnp
	Vanadium, Solid*	100		6.4	64.4	10	mg/Kg	12667		12/13/02 1754	nnp

* In Description = Dry Wgt.

00041

LABORATORY TEST RESULTS

Job Number: 202697

Date: 12/20/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-13-07
Date Sampled.....: 12/10/2002
Time Sampled.....: 15:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202697-1
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Zinc, Solid*	ND	U	38.6	322	10	mg/Kg	12667		12/13/02 1754	nmp
	Arsenic, TCLP	47.4	U	34.8	200	1	ug/L	12849		12/18/02 1758	nmp
	Barium, TCLP	14.0	B	5.4	25.0	1	ug/L	12849		12/18/02 1758	nmp
	Cadmium, TCLP	555		6.4	50.0	1	ug/L	12849		12/18/02 1758	nmp
	Chromium, TCLP	465		7.6	50.0	1	ug/L	12849		12/18/02 1758	nmp
	Lead, TCLP	ND	U	17.0	50.0	1	ug/L	12849		12/18/02 1758	nmp
	Selenium, TCLP	ND	U	34.6	150	1	ug/L	12849		12/18/02 1758	nmp
	Silver, TCLP	ND	U	6.8	30.0	1	ug/L	12849		12/18/02 1758	nmp
	Leachable, Mercury (CVAA)	ND	U	0.90	10.0	1.0000	ug/L	12910		12/17/02 1532	nmp
	Mercury, TCLP										

* In Description = Dry Wgt.

Page 3

00042

LABORATORY TEST RESULTS

Job Number: 202697

Date: 12/20/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-13-15
Date Sampled.....: 12/10/2002
Time Sampled.....: 16:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202697-2
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
7470A	Mercury (CVAA) Mercury	ND		U	0.18	0.20	1.0000	ug/L	12763		12/17/02 1418	dwh
6010B	Metals Analysis (ICAP Trace) Aluminum	ND		U	83.3	500	1	ug/L	12849		12/18/02 1852	nnp
	Antimony	ND		U	5.9	20.0	1	ug/L	12849		12/18/02 1852	nnp
	Arsenic	ND		U	7.0	40.0	1	ug/L	12849		12/18/02 1852	nnp
	Barium	ND		U	1.1	5.0	1	ug/L	12849		12/18/02 1852	nnp
	Beryllium	ND		U	1.0	5.0	1	ug/L	12849		12/18/02 1852	nnp
	Cadmium	ND		U	1.3	10.0	1	ug/L	12849		12/18/02 1852	nnp
	Calcium	ND		U	52.8	300	1	ug/L	12849		12/18/02 1852	nnp
	Chromium	ND		U	1.5	10.0	1	ug/L	12849		12/18/02 1852	nnp
	Cobalt	ND		U	1.5	10.0	1	ug/L	12849		12/18/02 1852	nnp
	Copper	ND		U	1.4	10.0	1	ug/L	12849		12/18/02 1852	nnp
	Iron	ND		U	85.3	200	1	ug/L	12849		12/18/02 1852	nnp
	Lead	ND		U	3.4	100	1	ug/L	12849		12/18/02 1852	nnp
	Magnesium	ND		U	11.6	100	1	ug/L	12849		12/18/02 1852	nnp
	Manganese	ND		U	1.2	15.0	1	ug/L	12849		12/18/02 1852	nnp
	Nickel	ND		U	1.9	10.0	1	ug/L	12849		12/18/02 1852	nnp
	Potassium	ND		U	123	400	1	ug/L	12849		12/18/02 1852	nnp
	Selenium	ND		U	6.9	30.0	1	ug/L	12849		12/18/02 1852	nnp
	Silver	ND		U	1.4	6.0	1	ug/L	12849		12/18/02 1852	nnp
	Sodium	ND		U	72.6	400	1	ug/L	12849		12/18/02 1852	nnp
	Thallium	ND		B	16.1	40.0	1	ug/L	12849		12/18/02 1852	nnp
	Vanadium	ND		U	1.3	6.0	1	ug/L	12849		12/18/02 1852	nnp
	Zinc	ND		U	16.2	50.0	1	ug/L	12849		12/18/02 1852	nnp

* In Description = Dry Wgt.

Page 4

00043

LABORATORY TEST RESULTS

Job Number: 202697

Date: 12/20/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-09-02
Date Sampled.....: 12/10/2002
Time Sampled.....: 11:40
Sample Matrix.....: Soil

Laboratory Sample ID: 202697-3
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECI
ASTM D-2216	% Solids, Solid	68.6			0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	31.4			0.10	0.10	1	%	12661		12/13/02 0000	dwh
7471A	Mercury (CVAA) Solids	ND			0.058	2.3	1.0000	mg/kg	12626		12/13/02 0913	nnp
6010B	Mercury, Solid*			U								
	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	ND		U	290	2580	10	mg/kg	12734		12/16/02 1610	nnp
	Antimony, Solid*	ND		U	12.0	117	10	mg/kg	12734		12/16/02 1610	nnp
	Arsenic, Solid*	ND		U	10	79.9	10	mg/kg	12734		12/16/02 1610	nnp
	Barium, Solid*	3510		U	3.0	20.0	10	mg/kg	12734		12/16/02 1610	nnp
	Beryllium, Solid*	ND		U	5.0	20.0	10	mg/kg	12734		12/16/02 1610	nnp
	Cadmium, Solid*	ND		U	10	30.0	10	mg/kg	12734		12/16/02 1610	nnp
	Calcium, Solid*	99900		U	85.9	849	10	mg/kg	12734		12/16/02 1610	nnp
	Chromium, Solid*	ND		U	5.0	30.0	10	mg/kg	12734		12/16/02 1610	nnp
	Cobalt, Solid*	ND		U	3.0	20.0	10	mg/kg	12734		12/16/02 1610	nnp
	Copper, Solid*	ND		U	5.0	49.9	10	mg/kg	12734		12/16/02 1610	nnp
	Iron, Solid*	6.7		B	220	1450	10	mg/kg	12734		12/16/02 1610	nnp
	Lead, Solid*	10.7		B	10	89.9	10	mg/kg	12734		12/16/02 1610	nnp
	Magnesium, Solid*	2760		B	35.9	349	10	mg/kg	12734		12/16/02 1610	nnp
	Manganese, Solid*	278		B	3.0	25.0	10	mg/kg	12734		12/16/02 1610	nnp
	Nickel, Solid*	5.9		B	5.0	49.9	10	mg/kg	12734		12/16/02 1610	nnp
	Potassium, Solid*	ND		U	429	2000	10	mg/kg	12734		12/16/02 1610	nnp
	Selenium, Solid*	ND		U	16.0	160	10	mg/kg	12734		12/16/02 1610	nnp
	Silver, Solid*	ND		U	3.0	30.0	10	mg/kg	12734		12/16/02 1610	nnp
	Sodium, Solid*	304		B	93.8	938	10	mg/kg	12734		12/16/02 1610	nnp
	Thallium, Solid*	ND		U	30.0	220	10	mg/kg	12734		12/16/02 1610	nnp
	Vanadium, Solid*	ND		U	4.0	39.9	10	mg/kg	12734		12/16/02 1610	nnp

* In Description = Dry Wgt.

Page 5

00044

LABORATORY TEST RESULTS

Job Number: 202697

Date: 12/20/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: MIKE ROUX

Customer Sample ID: 09-09-02
Date Sampled.....: 12/10/2002
Time Sampled.....: 11:40
Sample Matrix.....: Soil

Laboratory Sample ID: 202697-3
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC
7470A	Zinc, Solid*	75000	U	24.0	200	10	mg/Kg	12734		12/16/02 1610	nnp
	Arsenic, TCLP	ND	U	34.8	200	1	ug/L	12849		12/18/02 1810	nnp
	Barium, TCLP	875	U	5.4	25.0	1	ug/L	12849		12/18/02 1810	nnp
	Cadmium, TCLP	ND	U	6.4	50.0	1	ug/L	12849		12/18/02 1810	nnp
	Chromium, TCLP	ND	U	7.6	50.0	1	ug/L	12849		12/18/02 1810	nnp
	Lead, TCLP	ND	U	17.0	50.0	1	ug/L	12849		12/18/02 1810	nnp
	Selenium, TCLP	ND	U	34.6	150	1	ug/L	12849		12/18/02 1810	nnp
	Silver, TCLP	ND	U	6.8	30.0	1	ug/L	12849		12/18/02 1810	nnp
	Leachable, Mercury (CVAA)	ND	U	0.90	10.0	1.0000	ug/L	12910		12/17/02 1533	nnp
	Mercury, TCLP										

* In Description = Dry Wgt.

Page 6

00045

LABORATORY TEST RESULTS												
Job Number: 202697			Date:12/20/2002									
CUSTOMER: ROUX ASSOCIATES			PROJECT: BASF									
Customer Sample ID: 09-09-19 Date Sampled.....: 12/10/2002 Time Sampled.....: 11:50 Sample Matrix.....: Soil			Laboratory Sample ID: 202697-4 Date Received.....: 12/11/2002 Time Received.....: 09:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	79.7			0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	20.3			0.10	0.10	1	%	12661		12/13/02 0000	dwh
7471A	Mercury (CVAA) Solids	4.7	B		0.55	21.8	10.000	mg/Kg	12626		12/13/02 1003	nnp
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6530			144	1280	5	mg/Kg	12667		12/13/02 1824	nnp
	Antimony, Solid*	ND		U	6.0	58.3	5	mg/Kg	12667		12/13/02 1824	nnp
	Arsenic, Solid*	36.4		B	5.0	39.8	5	mg/Kg	12667		12/13/02 1824	nnp
	Barium, Solid*	124			1.5	10	5	mg/Kg	12667		12/13/02 1824	nnp
	Beryllium, Solid*	ND		U	2.5	10	5	mg/Kg	12667		12/13/02 1824	nnp
	Cadmium, Solid*	ND		U	5.0	14.9	5	mg/Kg	12667		12/13/02 1824	nnp
	Calcium, Solid*	12100			42.8	423	5	mg/Kg	12667		12/13/02 1824	nnp
	Chromium, Solid*	595			2.5	14.9	5	mg/Kg	12667		12/13/02 1824	nnp
	Cobalt, Solid*	19.0			1.5	10	5	mg/Kg	12667		12/13/02 1824	nnp
	Copper, Solid*	552			2.5	24.9	5	mg/Kg	12667		12/13/02 1824	nnp
	Iron, Solid*	97200			110	722	5	mg/Kg	12667		12/13/02 1824	nnp
	Lead, Solid*	1860			5.0	44.8	5	mg/Kg	12667		12/13/02 1824	nnp
	Magnesium, Solid*	5010			17.9	174	5	mg/Kg	12667		12/13/02 1824	nnp
	Manganese, Solid*	772			1.5	12.4	5	mg/Kg	12667		12/13/02 1824	nnp
	Nickel, Solid*	256			2.5	24.9	5	mg/Kg	12667		12/13/02 1824	nnp
	Potassium, Solid*	1050			214	996	5	mg/Kg	12667		12/13/02 1824	nnp
	Selenium, Solid*	ND		U	8.0	79.7	5	mg/Kg	12667		12/13/02 1824	nnp
	Silver, Solid*	ND		U	1.5	14.9	5	mg/Kg	12667		12/13/02 1824	nnp
	Sodium, Solid*	317		B	46.8	468	5	mg/Kg	12667		12/13/02 1824	nnp
	Thallium, Solid*	ND		U	14.9	110	5	mg/Kg	12667		12/13/02 1824	nnp
	Vanadium, Solid*	70.4			2.0	19.9	5	mg/Kg	12667		12/13/02 1824	nnp

* In Description = Dry Wgt.

00046

LABORATORY TEST RESULTS																		
Job Number: 202697						Date:12/20/2002												
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF												
Customer Sample ID: 09-09-19 Date Sampled.....: 12/10/2002 Time Sampled.....: 11:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202697-4 Date Received.....: 12/11/2002 Time Received.....: 09:50												
ATTN: Mike Roux																		
TEST METHOD	PARAMETER/TEST DESCRIPTION					SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TEC		
7470A	Zinc, Solid*						2320			12.0	99.6	5	mg/Kg	12667		12/13/02	1824 nmp	
	Arsenic, TCLP						ND	U		34.8	200	1	ug/L	12849		12/18/02	1816 nmp	
	Barium, TCLP						728			5.4	25.0	1	ug/L	12849		12/18/02	1816 nmp	
	Cadmium, TCLP						ND	U		6.4	50.0	1	ug/L	12849		12/18/02	1816 nmp	
	Chromium, TCLP						ND	U		7.6	50.0	1	ug/L	12849		12/18/02	1816 nmp	
	Lead, TCLP						367			17.0	50.0	1	ug/L	12849		12/18/02	1816 nmp	
	Selenium, TCLP						ND	U		34.6	150	1	ug/L	12849		12/18/02	1816 nmp	
	Silver, TCLP						ND	U		6.8	30.0	1	ug/L	12849		12/18/02	1816 nmp	
	Leachable, Mercury (CVAA)						ND	U		0.90	10.0	1.0000	ug/L	12910		12/17/02	1535 nmp	
	Mercury, TCLP																	

* In Description = Dry Wgt.

00047

LABORATORY TEST RESULTS	
Job Number: 202697	Date: 12/23/2002
CUSTOMER: ROUX ASSOCIATES	PROJECT: BASF
	ATTN: Mike Roux

Customer Sample ID: 09-13-07
Date Sampled.....: 12/10/2002
Time Sampled.....: 15:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202697-1
Date Received.....: 12/11/2002
Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	50.5			0.10	0.10	1	%	12661		12/13/02 0000 dwh	dwh
	% Moisture, Solid	49.5			0.10	0.10	1	%	12661		12/13/02 0000 dwh	dwh
9012	Cyanide (Colorimetric)	ND	U		107	990	1.0	ug/Kg	12861		12/13/02 1305 dtn	dtn
3500-CrD	Hexavalent Chromium	ND	U		0.0004	0.0792	1	mg/Kg	12941		12/17/02 1708 ams	ams
	Hexavalent Chromium, Solid*											

* In Description = Dry Wgt.

Page 2

00049

LABORATORY TEST RESULTS

Job Number: 202697

Date: 12/23/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-13-15
 Date Sampled.....: 12/10/2002
 Time Sampled.....: 16:00
 Sample Matrix.....: Groundwater

Laboratory Sample ID: 202697-2
 Date Received.....: 12/11/2002
 Time Received.....: 09:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9012	Cyanide (Colorimetric) Cyanide, Total	ND	U	1.0	10.0	1.0	ug/L	12861		12/13/02 1257	dtm
3500-ClD	Hexavalent Chromium Hexavalent Chromium	ND	U	0.001	0.010	1	mg/L	12855		12/11/02 1520	nev

* In Description = Dry Wgt.

Page 3

00050

LABORATORY TEST RESULTS												
Job Number: 202697						Date: 12/23/2002						
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF						
Customer Sample ID: 09-09-02 Date Sampled.....: 12/10/2002 Time Sampled.....: 11:40 Sample Matrix.....: Soil						Laboratory Sample ID: 202697-3 Date Received.....: 12/11/2002 Time Received.....: 09:50						
ATTN: Mike Roux												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	68.6			0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	31.4			0.10	0.10	1	%	12661		12/13/02 0000	dwh
9012	Cyanide (Colorimetric) Cyanide, Total, Solid*	ND		U	78.7	729	1.0	ug/Kg	12861		12/13/02 1306	dtn
3500-CrD	Hexavalent Chromium Hexavalent Chromium, Solid*	0.012		B	0.0003	0.0583	1	mg/Kg	12941		12/17/02 1712	ams

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 202697						Date:12/23/2002						
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF						
Customer Sample ID: 09-09-19 Date Sampled.....: 12/10/2002 Time Sampled.....: 11:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202697-4 Date Received.....: 12/11/2002 Time Received.....: 09:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	79.7			0.10	0.10	1	%	12661		12/13/02 0000	dwh
	% Moisture, Solid	20.3			0.10	0.10	1	%	12661		12/13/02 0000	dwh
9012	Cyanide (Colorimetric) Cyanide, Total, Solid*	ND		U	65.8	609	1.0	ug/Kg	12861		12/13/02 1307	dtn
3500-CrD	Hexavalent Chromium Hexavalent Chromium, Solid*	ND		U	0.0003	0.0502	1	mg/Kg	12941		12/17/02 1714	ams

* In Description = Dry Wgt.

Page 5

00052

00053

LABORATORY CHRONICLE

Job Number: 202697

Date: 01/10/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Lab ID: 202697-1	Client ID: 09-13-07	Date Recvd: 12/11/2002	Sample Date: 12/10/2002				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
ASTM D-2216		1	12661			12/13/2002	0000
5030A	5030 Purge & Trap (Med. Level) 10ml	1	12687				
5030A	5030CP TCLP/SPLP Prep	1	12722				
7470/7471	74706 Digestion (Hg)	1	12604			12/12/2002	0000
3010A	Acid Dig. Leachates (ICAP)	1	12771			12/17/2002	0000
3050B	Acid Digestion: Solids (ICAP)	1	12629			12/13/2002	0000
9012	Cyanide (Colorimetric)	1	12861	12944		12/13/2002	1305 1.0
CN Prep Method	Cyanide sample Preparation	1	12944			12/12/2002	0000
3510C	Extraction Sep. Funnel (SVOC)	1	12844			12/18/2002	0000
3510C	Extraction Sep. Funnel (SVOC)	2	13240			12/31/2002	0000
3541	Extraction Soxhlet (SVOC)	1	12613			12/12/2002	0000
3550B	Extraction Ultrasonic (PCBs)	1	12625			12/12/2002	0000
3500-CrD	Hexavalent Chromium	1	12941			12/17/2002	1708
7470A	Leachable, Mercury (CVAA)	1	12910	12709		12/17/2002	1532 1.0000
7471A	Mercury (CVAA) Solids	1	12626	12604		12/13/2002	0911 1.0000
6010B	Metals Analysis (ICAP Trace)	1	12667	12629		12/13/2002	1754 10
6010B	Metals Analysis (ICAP Trace)	1	12849	12771		12/18/2002	1758
8082	PCB Analysis	1	13122	12625		12/20/2002	0104 10.0000
8082	PCB Analysis, Confirmation	1	13123	12625		12/20/2002	0104 10.0000
7470	SW846 Dig. Leachates (Hg)	1	12709			12/16/2002	0000
8270C	Semivolatile Organics	1	12807	12613		12/12/2002	1746 4.00000
8270C	Semivolatile Organics	1	12807	12844		12/27/2002	1511 1.00000
8270C	Semivolatile Organics	2	12807	13240		01/06/2003	1840 1.00000
BNA TIC	Semivolatile TIC	1	13533	12613		12/12/2002	1746 4.00000
1311	TCLP Extraction	1	12660			12/12/2002	0000
1311	TCLP Zero Headspace Extraction	1	12684			12/13/2002	0000
8260B	Volatile Organics	1	12720	12687		12/12/2002	1522 1.00000
8260B	Volatile Organics (5mL Purge)	1	12724	12722		12/14/2002	2017 1.00000
VOA TIC	Volatile TIC	1	13041	12687		12/12/2002	1522 1.00000
Lab ID: 202697-2	Client ID: 09-13-15	Date Recvd: 12/11/2002	Sample Date: 12/10/2002				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	12686				
7470/7471	74706 Digestion (Hg)	1	12737			12/17/2002	0000
3010A	Acid Digestion (ICAP)	1	12770			12/17/2002	0000
9012	Cyanide (Colorimetric)	1	12861	12944		12/13/2002	1257 1.0
CN Prep Method	Cyanide sample Preparation	1	12944			12/12/2002	0000
3510C	Extraction Sep. Funnel (PCBs)	1	12785			12/16/2002	0000
3510C	Extraction Sep. Funnel (SVOC)	1	12623			12/12/2002	0000
3500-CrD	Hexavalent Chromium	1	12855			12/11/2002	1520
7470A	Mercury (CVAA)	1	12763			12/17/2002	1418 1.0000
6010B	Metals Analysis (ICAP Trace)	1	12849	12770		12/18/2002	1852
8082	PCB Analysis	1	13122	12785		12/20/2002	1650 1.00000
8270C	Semivolatile Organics	1	12807	12623		12/16/2002	1911 1.00000
BNA TIC	Semivolatile TIC	1	13533	12623		12/16/2002	1911 1.00000
8260B	Volatile Organics (5mL Purge)	1	12685	12686		12/12/2002	2013 1.00000
VOA TIC	Volatile TIC	1	13041	12686		12/12/2002	2013 1.00000
Lab ID: 202697-3	Client ID: 09-09-02	Date Recvd: 12/11/2002	Sample Date: 12/10/2002				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
ASTM D-2216		1	12661			12/13/2002	0000
5030A	5030 Soil(5g)Prep	1	12799				
5030A	5030CP TCLP/SPLP Prep	1	12722				
7470/7471	74706 Digestion (Hg)	1	12604			12/12/2002	0000
3010A	Acid Dig. Leachates (ICAP)	1	12771			12/17/2002	0000

00054

LABORATORY CHRONICLE

Job Number: 202697

Date: 01/10/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Lab ID: 202697-3 Client ID: 09-09-02		Date Recvd: 12/11/2002		Sample Date: 12/10/2002			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
3050B	Acid Digestion: Solids (ICAP)	1	12629			12/13/2002 0000	
9012	Cyanide (Colorimetric)	1	12861	12944		12/13/2002 1306	1.0
CN Prep Method	Cyanide sample Preparation	1	12944			12/12/2002 0000	
3510C	Extraction Sep. Funnel (SVOC)	1	12844			12/18/2002 0000	
3541	Extraction Soxhlet (SVOC)	1	12613			12/12/2002 0000	
3550B	Extraction Ultrasonic (PCBs)	1	12625			12/12/2002 0000	
3500-CrD	Hexavalent Chromium	1	12941			12/17/2002 1712	
7470A	Leachable, Mercury (CVAA)	1	12910	12709		12/17/2002 1533	1.0000
7471A	Mercury (CVAA) Solids	1	12626	12604		12/13/2002 0913	1.0000
6010B	Metals Analysis (ICAP Trace)	1	12734	12629		12/16/2002 1610	10
6010B	Metals Analysis (ICAP Trace)	1	12849	12771		12/18/2002 1810	
8082	PCB Analysis	1	13123	12625		12/20/2002 0304	1.00000
8082	PCB Analysis, Confirmation	1	13122	12625		12/20/2002 0304	1.00000
7470	SW846 Dig. Leachates (Hg)	1	12709			12/16/2002 0000	
8270C	Semivolatile Organics	1	12807	12613		12/12/2002 1813	2.00000
8270C	Semivolatile Organics	1	12807	12844		12/27/2002 1537	1.00000
BNA TIC	Semivolatile TIC	1	13533	12613		12/12/2002 1813	2.00000
1311	TCLP Extraction	1	12660			12/12/2002 0000	
1311	TCLP Zero Headspace Extraction	1	12684			12/13/2002 0000	
8260B	Volatile Organics	1	12803	12799		12/12/2002 1729	1.00000
8260B	Volatile Organics (5mL Purge)	1	12724	12722		12/14/2002 1911	1.00000
VOA TIC	Volatile TIC	1	13041	12799		12/12/2002 1729	1.00000

Lab ID: 202697-4 Client ID: 09-09-19		Date Recvd: 12/11/2002		Sample Date: 12/10/2002			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
ASTM D-2216		1	12661			12/13/2002 0000	
5030A	5030 Purge & Trap (Med. Level) 10ml	1	12687				
5030A	5030CP TCLP/SPLP Prep	1	12722				
7470/7471	74706 Digestion (Hg)	1	12604			12/12/2002 0000	
3010A	Acid Dig. Leachates (ICAP)	1	12771			12/17/2002 0000	
3050B	Acid Digestion: Solids (ICAP)	1	12629			12/13/2002 0000	
9012	Cyanide (Colorimetric)	1	12861	12944		12/13/2002 1307	1.0
CN Prep Method	Cyanide sample Preparation	1	12944			12/12/2002 0000	
3510C	Extraction Sep. Funnel (SVOC)	1	12844			12/18/2002 0000	
3541	Extraction Soxhlet (SVOC)	1	12613			12/12/2002 0000	
3550B	Extraction Ultrasonic (PCBs)	1	12625			12/12/2002 0000	
3500-CrD	Hexavalent Chromium	1	12941			12/17/2002 1714	
7470A	Leachable, Mercury (CVAA)	1	12910	12709		12/17/2002 1535	1.0000
7471A	Mercury (CVAA) Solids	1	12626	12604		12/13/2002 1003	10.000
6010B	Metals Analysis (ICAP Trace)	1	12667	12629		12/13/2002 1824	5
6010B	Metals Analysis (ICAP Trace)	1	12849	12771		12/18/2002 1816	
8082	PCB Analysis	1	13122	12625		12/20/2002 0424	1.00000
8082	PCB Analysis	1	13123	12625		12/20/2002 0424	1.00000
8082	PCB Analysis, Confirmation	1	13122	12625		12/20/2002 0424	1.00000
8082	PCB Analysis, Confirmation	1	13123	12625		12/20/2002 0424	1.00000
7470	SW846 Dig. Leachates (Hg)	1	12709			12/16/2002 0000	
8270C	Semivolatile Organics	1	12807	12613		12/12/2002 1839	4.00000
8270C	Semivolatile Organics	1	12807	12844		12/27/2002 1603	1.00000
BNA TIC	Semivolatile TIC	1	13533	12613		12/12/2002 1839	4.00000
1311	TCLP Extraction	1	12660			12/12/2002 0000	
1311	TCLP Zero Headspace Extraction	1	12684			12/13/2002 0000	
8260B	Volatile Organics	1	12720	12687		12/12/2002 1450	1.00000
8260B	Volatile Organics (5mL Purge)	1	12724	12722		12/14/2002 1944	1.00000
VOA TIC	Volatile TIC	1	13041	12687		12/12/2002 1450	1.00000

Lab ID: 202697-5 Client ID: PE-AREA1-S-9C		Date Recvd: 12/11/2002		Sample Date: 12/10/2002			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
ASTM D-2216		1	12661			12/13/2002 0000	

00055

LABORATORY CHRONICLE

Job Number: 202697

Date: 01/10/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Lab ID: 202697-5 Client ID: PE-AREA1-S-9C		Date Recvd: 12/11/2002 Sample Date: 12/10/2002				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 Soil(5g)Prep	1	12767			
7470/7471	74706 Digestion (Hg)	1	12604		12/12/2002	0000
3050B	Acid Digestion: Solids (ICAP)	1	12629		12/13/2002	0000
3541	Extraction Soxhlet (SVOC)	1	12613		12/12/2002	0000
7471A	Mercury (CVAA) Solids	1	12626	12604	12/13/2002	1005 10.000
6010B	Metals Analysis (ICAP Trace)	1	12667	12629	12/13/2002	1830
8270C	Semivolatile Organics	1	12807	12613	12/12/2002	1906 2.00000
BNA TIC	Semivolatile TIC	1	13533	12613	12/12/2002	1906 2.00000
8260B	Volatile Organics	1	12803	12799	12/12/2002	1653 1.00000
8260B	Volatile Organics	2	12775	12767	12/13/2002	1346 1.00000
VOA TIC	Volatile TIC	1	13041	12799	12/12/2002	1653 1.00000
VOA TIC	Volatile TIC	2	13041	12767	12/13/2002	1346 1.00000

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/02/2003

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/02/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

**STL-Connecticut
Certification Summary (as of May 2002)**

State	Responsible Agency	Certification	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	M-CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	CT410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Wisconsin	Department of Natural Resources	Wastewater	998355710

ANALYTICAL REPORT

JOB NUMBER: 202710

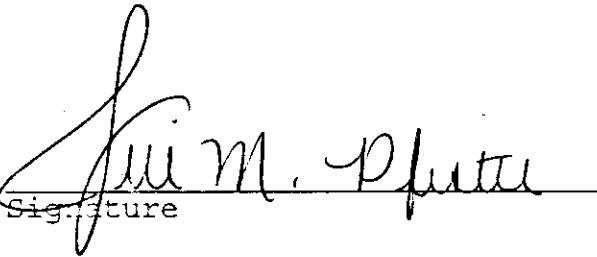
Prepared For:

ROUX ASSOCIATES
1377 Motor Parkway
Islandia, NY 11749

Project: BASF

Attention: Mike Roux

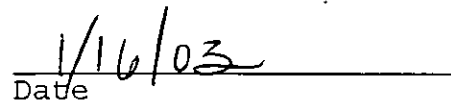
Date: 01/15/2003


Signature

Name: Jill M. Pfister

Title: Project Manager

E-Mail: jpfister@stl-inc.com


Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

STL Report : 202710
ROUX ASSOCIATES – BASF

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

The following analyses were subcontracted out to the indicated laboratories:

TCLP RCRA METALS 6010/7470 *sent to* STL – Newburgh (NY), 315 Fullerton Ave., Newburgh, NY 12558.

Organic Extraction - Samples were extracted according to methods 3510C/3550B. Samples for 8082 analysis were cleaned-up using procedures outlined in method 3665A (acid clean-up). Samples WC-AREA1-1-14, WC-AREA1-1-15, WC-AREA1-1-17, and 09-23-11 would not concentrate to a final volume of 1 ml for 8270 analysis and were brought to a final volume of 2 mls. Sample WC-AREA1-1-16 would not concentrate to a final volume of 1 ml for 8270 analysis and was brought to a final volume of 4 mls. Samples 09-18-14 and 09-18-23 would not concentrate to a final volume of 1 ml for 8270 analysis and were brought to a final volume of 14 mls. Sample 09-18-14 would not concentrate to a final volume of 10 mls for 8082 analysis and was brought to a final volume of 45 mls. QC had been requested by the client on sample 09-18-14, but due to the elevated final volumes, the lab contacted the client, and extracted an MS/MSD on sample 09-23-11 instead.

Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. No analytical problems were encountered.

Analyte	Method	Reference
Cyanide-Total	9012	1
Hexavalent Chromium	3500-CrD	2

References:

1. Test Methods for the Evaluation of Solid Waste, SW846, 3rd ed., 1986.
2. Standard Methods for the Examination of Water and Wastewater, 18th edition, 1992.

Polychlorinated Biphenyls (PCB's) - PCB samples were analyzed by GC/ECD using guidance provided in Method 8082. The instrumentation used was a Hewlett-Packard Gas Chromatograph equipped with an Electron Capture Detector (Ni63).

The Aroclor 1260 detected in sample 09-23-11 was reported from the RTX-35 column. There was more matrix interference present on the DB-1701 column.

In sample 09-18-14 there was no Decachlorobiphenyl detected on the DB-1701 column.

Both of the surrogate recoveries for 09-23-11 were outside of QC criteria, on both columns, due to sample matrix interference.

There was no surrogate recovery reported for Tetrachlorometaxylene in samples 09-23-11MS and 09-23-11MSD on either column. The surrogate was masked by matrix interference.

The % recovery of the spike compound Aroclor 1260 was below QC limits in 09-23-11MSD.

Manual integrations were performed if required, and any affected peaks were designated with an "M" on the quantitation report. Manual integrations were initialed by the analyst that performed the integration.

Sample Calculation:

Sample ID -09-23-11
Compound - Aroclor 1260 18.51 peak
$$\frac{(21012634 \text{ area})(10000 \text{ ul})}{(57852636.8 \text{ area/ng})(30.3 \text{ g})(.721)(1 \text{ ul})} = 166 \text{ ug/kg}$$

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 1311/5030B/8260B. The instrumentation used was a Tekmar Model 2000/2016 Concentrator/Archon 4552 autosampler interfaced with a Hewlett Packard Model 5970A/5972A GC/MS/DS.

The spike compound percent recoveries were within the laboratory generated guidelines in the independent source quality control samples (020PPB_QCS) except for carbon tetrachloride and trichloroethene

Sample Calculation:

Sample ID-09-18-14
Compound-Chlorobenzene

$$\frac{(6762825)(125)(125)}{(1088792)(.979)(5)} = 19826 = 20000 \text{ ug/L} = 20 \text{ mg/L.}$$

All the soil samples in this SDG were analyzed as medium level soils due to high target compound concentrations:

09-18-14	1:100
09-18-23	1:50
WC-AREA1-1-14	1:50
WC-AREA1-1-15	STRAIGHT
WC-AREA1-1-16	1:5
WC-AREA1-1-17	1:2
09-23-11	STRAIGHT

The TCLP samples, 09-18-14 and 09-18-23, were analyzed at 1:125 dilutions due to a high target compound concentration.

Metals – ICAP metals were determined using a JA61E trace ICAP; mercury was determined by cold vapor technique using a Perkin Elmer mercury analyzer; following guidance provided in SW846 according to methods: ICAP – 3010A, 3050B/6010B; mercury-7470A, 7471A.

TCLP samples were prepared following guidance provided in SW846 according to method 1311.

Selenium failed the controls for TCLP QC sample 202710-1 resulting in one “N” flag.

Three “*” flags resulted from duplicate analysis of sample 202710-1 for barium, copper, and nickel.

Arsenic, cadmium, chromium, selenium, and zinc failed the controls for spike recovery analysis of sample 202710-1 resulting in five “N” flags.

No other problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

Semi-Volatile Organics - Semi-volatile organic samples were analyzed by capillary GC/MS according to NYSDEC Protocols using guidance provided in Method 8270C. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

A 2ul injection was used for all samples and standards. The instrument was calibrated at 10ng/ul (20 ng), 25 ng/ul(50 ng), 40ng/ul(80ng), 60ng/ul(120ng) and 80ng/ul(160ng). Internal standards were added to all samples and standards were at 20ng/ul(40ng).

The following intact samples were analyzed at dilutions due to the viscous matrix of the samples:

09-18-14	1:20
09-18-23	1:20
WC-AREA1-1-14	1:8
WC-AREA1-1-15	1:4
WC-AREA1-1-16	1:4
WC-AREA1-1-17	1:4
09-23-11, MS/MSD	1:8

The leachate samples, 09-18-23, 09-18-14 and 09-18-14MS/MSD were analyzed at a 1:4 dilution due to the presence of high levels of non target compounds.

The target compounds 3-methylphenol and 4-methylphenol cannot be chromatographically separated. The isomers are reported as a total concentration of 4-methylphenol.

Sample Calculation:

Sample ID -09-18-14

Compound - phenol

$$\frac{(92795)(40)(14000)(20)}{(128754)(1.571)(2.0)(30.2)(.591)} = 143939 = 140000 \text{ ug/kg}$$

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 the case narrative.

SAMPLE INFORMATION

Date: 01/15/2003

Job Number.: 202710
 Customer....: ROUX ASSOCIATES
 Attn.....: Mike Roux

Project Number.....: 20000271
 Customer Project ID....: BASF
 Project Description....: BASF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
202710-1	09-18-14	Soil	12/11/2002	15:30	12/12/2002	09:45
202710-2	09-18-23	Soil	12/11/2002	15:50	12/12/2002	09:45
202710-3	WC-AREAL-1-14	Soil	12/11/2002	15:45	12/12/2002	09:45
202710-4	WC-AREAL-1-15	Soil	12/11/2002	16:00	12/12/2002	09:45
202710-5	WC-AREAL-1-16	Soil	12/11/2002	16:35	12/12/2002	09:45
202710-6	WC-AREAL-1-17	Soil	12/11/2002	16:40	12/12/2002	09:45
202710-7	TB121102	Groundwater	12/11/2002	00:00	12/12/2002	09:45
202710-8	09-23-11	Soil	12/12/2002	15:50	12/13/2002	10:00

LABORATORY TEST RESULTS											
Job Number: 202710					Date:01/15/2003						
CUSTOMER: ROUX ASSOCIATES					PROJECT: BASF						
Customer Sample ID: 09-18-14 Date Sampled.....: 12/11/2002 Time Sampled.....: 15:30 Sample Matrix.....: Soil					Laboratory Sample ID: 202710-1 Date Received.....: 12/12/2002 Time Received.....: 09:45						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics	ND	U	11000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Chloromethane, High/Med Level*	ND	U	18000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Vinyl chloride, High/Med Level*	ND	U	18000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Bromomethane, High/Med Level*	ND	U	12000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Chloroethane, High/Med Level*	ND	U	5700	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,1-Dichloroethene, High/Med Level*	ND	U	660	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Carbon disulfide, High/Med Level*	ND	U	210000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Acetone, High/Med Level*	ND	U	21000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Methylene chloride, High/Med Level*	ND	U	10000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,1-Dichloroethane, High/Med Level*	ND	U	33000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Vinyl acetate, High/Med Level*	ND	U	32000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	2-Butanone (MEK), High/Med Level*	ND	U	25000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Chloroform, High/Med Level*	ND	U	10000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,1,1-Trichloroethane, High/Med Level*	ND	U	10000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Carbon tetrachloride, High/Med Level*	ND	U	12000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,2-Dichloroethene (total), High/Med Level*	ND	U	7500	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Benzene, High/Med Level*	ND	U	22000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,2-Dichloroethane, High/Med Level*	ND	U	5300	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Trichloroethene, High/Med Level*	ND	U	5000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,2-Dichloropropane, High/Med Level*	ND	U	7400	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Bromodichloromethane, High/Med Level*	ND	U	6900	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	cis-1,3-Dichloropropene, High/Med Level*	ND	U	36000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	4-Methyl-2-pentanone (MIBK), High/Med Level*	ND	U	15000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Toluene, High/Med Level*	ND	U	6600	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	trans-1,3-Dichloropropene, High/Med Level*	ND	U	7000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,1,2-Trichloroethane, High/Med Level*	ND	U	17000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Tetrachloroethene, High/Med Level*	ND	U	30000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	2-Hexanone, High/Med Level*	ND	U	7500	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Dibromochloromethane, High/Med Level*	ND	U		85000	100.0000	ug/Kg	12817		12/17/02 1843	pam

* In Description = Dry Wgt.

Job Number: 202710 LABORATORY TEST RESULTS Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES PROJECT: BASF ATTN: Mike Roux

Customer Sample ID: 09-18-14
Date Sampled.....: 12/11/2002
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 202710-1
Date Received.....: 12/12/2002
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	Chlorobenzene, High/Med Level*	2800000	U	13000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Ethylbenzene, High/Med Level*	ND	U	13000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Styrene, High/Med Level*	ND	U	13000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Bromoform, High/Med Level*	ND	U	8000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,1,2,2-Tetrachloroethane, High/Med Level*	ND	U	15000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	Xylenes (total), High/Med Level*	ND	U	44000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,3-Dichlorobenzene, High/Med Level*	ND	U	14000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,4-Dichlorobenzene, High/Med Level*	38000	J	17000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,2-Dichlorobenzene, High/Med Level*	110000	J	15000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	1,2,4-Trichlorobenzene, High/Med Level*	ND	U	85000	85000	100.0000	ug/Kg	12817		12/17/02 1843	pam
	% Solids, Solid	59.1		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	% Moisture, Solid	40.9		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	Volatile Organics (5mL Purge)										
	Vinyl chloride, TCLP	ND	U	0.038	0.62	125.0000	mg/L	12725		12/14/02 2343	pam
	1,1-Dichloroethene, TCLP	ND	U	0.075	0.62	125.0000	mg/L	12725		12/14/02 2343	pam
82608	2-Butanone (MEK), TCLP	ND	U	0.050	1.2	125.0000	mg/L	12725		12/14/02 2343	pam
	Chloroform, TCLP	ND	U	0.025	0.62	125.0000	mg/L	12725		12/14/02 2343	pam
	Carbon tetrachloride, TCLP	ND	U	0.025	0.62	125.0000	mg/L	12725		12/14/02 2343	pam
	Benzene, TCLP	ND	U	0.038	0.62	125.0000	mg/L	12725		12/14/02 2343	pam
	1,2-Dichloroethane, TCLP	ND	U	0.038	0.62	125.0000	mg/L	12725		12/14/02 2343	pam
	Trichloroethene, TCLP	ND	U	0.10	0.62	125.0000	mg/L	12725		12/14/02 2343	pam
	Tetrachloroethene, TCLP	ND	U	0.038	0.62	125.0000	mg/L	12725		12/14/02 2343	pam
	Chlorobenzene, TCLP	ND	U	0.025	0.62	125.0000	mg/L	12725		12/14/02 2343	pam
		20									

* In Description = Dry Wgt.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

09-18-14

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202710

SAS No.:

SDG No.: 202710

Matrix: (soil/water) SOIL

Lab Sample ID: 202710-1

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: T9925

Level: (low/med) MED

Date Received: 12/12/02

% Moisture: not dec. 41

Date Analyzed: 12/17/02

GC Column: RTX-VMS ID: 0.25 (mm)

Dilution Factor: 100.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 101-81-5	DIPHENYLMETHANE	17.45	80000	NJ
2.	UNKNOWN	18.46	58000	J
3. 128-37-0	BUTYLATED HYDROXYTOLUENE	19.40	80000	NJ
4. 119-61-9	BENZOPHENONE	21.14	110000	NJ
5. 2471-84-3	1H-INDENE, 1-METHYLENE-	21.89	60000	NJ
6. 18335-17-6	BENZENE, (1-PROPYLPENTYL) -	23.32	48000	NJ
7.	UNKNOWN	23.88	80000	J
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

LABORATORY TEST RESULTS											
Job Number: 202710						Date:01/15/2003					
CUSTOMER: ROUX ASSOCIATES						ATTN: Mike Roux					
Customer Sample ID: 09-18-23 Date Sampled.....: 12/11/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202710-2 Date Received.....: 12/12/2002 Time Received.....: 09:45					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics	ND	U	5800	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Chloromethane, High/Med Level*	ND	U	9100	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Vinyl chloride, High/Med Level*	ND	U	9100	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Bromomethane, High/Med Level*	ND	U	6200	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Chloroethane, High/Med Level*	ND	U	2900	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,1-Dichloroethene, High/Med Level*	ND	U	340	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Carbon disulfide, High/Med Level*	ND	U	110000	110000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Acetone, High/Med Level*	ND	U	11000	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Methylene chloride, High/Med Level*	ND	U	5100	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,1-Dichloroethane, High/Med Level*	ND	U	17000	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Vinyl acetate, High/Med Level*	ND	U	16000	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	2-Butanone (MEK), High/Med Level*	ND	U	13000	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Chloroform, High/Med Level*	ND	U	5300	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,1,1-Trichloroethane, High/Med Level*	ND	U	5300	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Carbon tetrachloride, High/Med Level*	ND	U	6200	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,2-Dichloroethene (total), High/Med Level*	ND	U	3800	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Benzene, High/Med Level*	ND	U	11000	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,2-Dichloroethane, High/Med Level*	ND	U	2700	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Trichloroethene, High/Med Level*	ND	U	2600	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,2-Dichloropropane, High/Med Level*	ND	U	3800	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Bromodichloromethane, High/Med Level*	ND	U	3500	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	cis-1,3-Dichloropropene, High/Med Level*	ND	U	18000	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	4-Methyl-2-pentanone (MIBK), High/Med Level*	ND	U	7500	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Toluene, High/Med Level*	ND	U	3400	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	trans-1,3-Dichloropropene, High/Med Level*	ND	U	3500	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,1,2-Trichloroethane, High/Med Level*	ND	U	8600	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Tetrachloroethene, High/Med Level*	ND	U	15000	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	2-Hexanone, High/Med Level*	ND	U	3800	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Dibromochloromethane, High/Med Level*	ND	U		43000	50.00000	ug/Kg	12721		12/12/02 1859	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 202710					Date:01/15/2003						
CUSTOMER: ROUX ASSOCIATES					PROJECT: BASF						
Customer Sample ID: 09-18-23 Date Sampled.....: 12/11/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil					Laboratory Sample ID: 202710-2 Date Received.....: 12/12/2002 Time Received.....: 09:45						
ATTN: Mike Roux											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	Chlorobenzene, High/Med Level*	1400000		6800	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Ethylbenzene, High/Med Level*	ND	U	6500	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Styrene, High/Med Level*	ND	U	6600	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Bromoform, High/Med Level*	ND	U	4100	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,1,2,2-Tetrachloroethane, High/Med Level*	ND	U	7500	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	Xylenes (total), High/Med Level*	ND	U	22000	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,3-Dichlorobenzene, High/Med Level*	ND	U	7300	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,4-Dichlorobenzene, High/Med Level*	11000	J	8800	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,2-Dichlorobenzene, High/Med Level*	46000		7700	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
	1,2,4-Trichlorobenzene, High/Med Level*	ND	U	43000	43000	50.00000	ug/Kg	12721		12/12/02 1859	pam
8260B	% Solids, Solid	58.0		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	% Moisture, Solid	42.0		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	Volatile Organics (5mL Purge)										
	Vinyl chloride, TCLP	ND	U	0.038	0.62	125.0000	mg/L	12725		12/14/02 2310	pam
	1,1-Dichloroethene, TCLP	ND	U	0.075	0.62	125.0000	mg/L	12725		12/14/02 2310	pam
	2-Butanone (MEK), TCLP	ND	U	0.050	1.2	125.0000	mg/L	12725		12/14/02 2310	pam
	Chloroform, TCLP	ND	U	0.025	0.62	125.0000	mg/L	12725		12/14/02 2310	pam
	Carbon tetrachloride, TCLP	ND	U	0.025	0.62	125.0000	mg/L	12725		12/14/02 2310	pam
	Benzene, TCLP	ND	U	0.038	0.62	125.0000	mg/L	12725		12/14/02 2310	pam
	1,2-Dichloroethane, TCLP	ND	U	0.038	0.62	125.0000	mg/L	12725		12/14/02 2310	pam
Trichloroethene, TCLP	ND	U	0.10	0.62	125.0000	mg/L	12725		12/14/02 2310	pam	
Tetrachloroethene, TCLP	ND	U	0.038	0.62	125.0000	mg/L	12725		12/14/02 2310	pam	
Chlorobenzene, TCLP	19	U	0.025	0.62	125.0000	mg/L	12725		12/14/02 2310	pam	

* In Description = Dry Wgt.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

09-18-23

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202710

SAS No.:

SDG No.: 202710

Matrix: (soil/water) SOIL

Lab Sample ID: 202710-2

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: T9882

Level: (low/med) MED

Date Received: 12/12/02

% Moisture: not dec. 42

Date Analyzed: 12/12/02

GC Column: RTX-VMS ID: 0.25 (mm)

Dilution Factor: 50.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	17.52	38000	J
2.	UNKNOWN	19.91	24000	J
3. 81-19-6	BENZENE, 1,3-DICHLORO-2-(DIC	20.29	310000	NJ
4.	UNKNOWN	21.58	25000	J
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

LABORATORY TEST RESULTS											
Job Number: 202710						Date: 01/15/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
Customer Sample ID: 09-23-11 Date Sampled.....: 12/12/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202710-8 Date Received.....: 12/13/2002 Time Received.....: 10:00 ATTN: Mike Roux					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics	ND	U	94	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Chloromethane, High/Med Level*	ND	U	150	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Vinyl chloride, High/Med Level*	ND	U	150	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Bromomethane, High/Med Level*	ND	U	99	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Chloroethane, High/Med Level*	ND	U	46	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,1-Dichloroethene, High/Med Level*	ND	U	5	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Carbon disulfide, High/Med Level*	ND	U	1700	1700	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Acetone, High/Med Level*	ND	U	170	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Methylene chloride, High/Med Level*	ND	U	82	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,1-Dichloroethane, High/Med Level*	ND	U	270	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Vinyl acetate, High/Med Level*	ND	U	260	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	2-Butanone (MEK), High/Med Level*	1000	U	200	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Chloroform, High/Med Level*	ND	U	85	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,1,1-Trichloroethane, High/Med Level*	ND	U	85	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Carbon tetrachloride, High/Med Level*	ND	U	99	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,2-Dichloroethene (total), High/Med Level*	6600	U	62	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Benzene, High/Med Level*	450	J	180	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,2-Dichloroethane, High/Med Level*	130	J	43	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Trichloroethene, High/Med Level*	ND	U	41	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,2-Dichloropropane, High/Med Level*	ND	U	61	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Bromodichloromethane, High/Med Level*	ND	U	56	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	cis-1,3-Dichloropropene, High/Med Level*	ND	U	290	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	4-Methyl-2-pentanone (MIBK), High/Med Level*	420	J	120	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Toluene, High/Med Level*	ND	U	54	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	trans-1,3-Dichloropropene, High/Med Level*	ND	U	57	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,1,2-Trichloroethane, High/Med Level*	ND	U	140	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Tetrachloroethene, High/Med Level*	ND	U	250	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	2-Hexanone, High/Med Level*	ND	U	61	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Dibromochloromethane, High/Med Level*	ND	U		690	1.00000	ug/Kg	12817		12/17/02 1811	pan

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 202710					Date: 01/15/2003						
CUSTOMER: ROUX ASSOCIATES					ATTN: MIKE ROUX						
PROJECT: BASF											
Customer Sample ID: 09-23-11					Laboratory Sample ID: 202710-8						
Date Sampled.....: 12/12/2002					Date Received.....: 12/13/2002						
Time Sampled.....: 15:50					Time Received.....: 10:00						
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TRCH
ASTM D-2216	Chlorobenzene, High/Med Level*	16000		110	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Ethylbenzene, High/Med Level*	860		100	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Styrene, High/Med Level*	ND	U	110	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Bromoform, High/Med Level*	ND	U	66	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,1,2,2-Tetrachloroethane, High/Med Level*	230	J	120	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	Xylenes (total), High/Med Level*	2000		360	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,3-Dichlorobenzene, High/Med Level*	2500		120	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,4-Dichlorobenzene, High/Med Level*	8400		140	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,2-Dichlorobenzene, High/Med Level*	6400		120	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
	1,2,4-Trichlorobenzene, High/Med Level*	1300		690	690	1.00000	ug/Kg	12817		12/17/02 1811	pan
ASTM D-2216	% Solids, Solid	72.1		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	% Moisture, Solid	27.9		0.10	0.10	1	%	12745		12/16/02 0000	jdW
82608	Volatile Organics (5mL Purge)										
	Vinyl chloride, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12999		12/20/02 1411	pan
	1,1-Dichloroethene, TCLP	ND	U	0.0006	0.005	1.00000	mg/L	12999		12/20/02 1411	pan
	2-Butanone (MEK), TCLP	ND	U	0.0004	0.010	1.00000	mg/L	12999		12/20/02 1411	pan
	Chloroform, TCLP	ND	U	0.0002	0.005	1.00000	mg/L	12999		12/20/02 1411	pan
	Carbon tetrachloride, TCLP	ND	U	0.0002	0.005	1.00000	mg/L	12999		12/20/02 1411	pan
	Benzene, TCLP	0.073		0.0003	0.005	1.00000	mg/L	12999		12/20/02 1411	pan
	1,2-Dichloroethane, TCLP	0.009		0.0003	0.005	1.00000	mg/L	12999		12/20/02 1411	pan
	Trichloroethene, TCLP	0.0008	J	0.0008	0.005	1.00000	mg/L	12999		12/20/02 1411	pan
	Tetrachloroethene, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12999		12/20/02 1411	pan
Chlorobenzene, TCLP	0.089		0.0002	0.005	1.00000	mg/L	12999		12/20/02 1411	pan	

* In Description = Dry Wgt.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

09-23-11

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202710

SAS No.:

SDG No.: 202710

Matrix: (soil/water) SOIL

Lab Sample ID: 202710-8

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: T9924

Level: (low/med) MED

Date Received: 12/13/02

% Moisture: not dec. 28

Date Analyzed: 12/17/02

GC Column: RTX-VMS ID: 0.25 (mm)

Dilution Factor: 1.0

Soil Extract Volume: 10 (mL)

Soil Aliquot Volume: 100 (uL)

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	7.44	1000	J
2. 108-41-8	BENZENE, 1-CHLORO-3-METHYL-	16.96	1400	NJ
3. 101-81-5	DIPHENYLMETHANE	17.41	1400	NJ
4. 128-37-0	BUTYLATED HYDROXYTOLUENE	19.38	890	NJ
5. 1000139-90-4	1-BUTOXY-2-ETHYLHEXANE	20.15	1300	NJ
6.	UNKNOWN	21.17	730	J
7.	UNKNOWN	21.45	360	J
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

LABORATORY TEST RESULTS											
Job Number: 202710			Date:01/15/2003								
CUSTOMER: ROUX ASSOCIATES			PROJECT: BASF								
Customer Sample ID: 09-18-14 Date Sampled.....: 12/11/2002 Time Sampled.....: 15:30 Sample Matrix.....: Soil			Laboratory Sample ID: 202710-1 Date Received.....: 12/12/2002 Time Received.....: 09:45 ATTN: Mike Roux								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	59.1		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	% Moisture, Solid	40.9		0.10	0.10	1	%	12745		12/16/02 0000	jdW
8270C	Semivolatile Organics	140000	J	11000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Phenol, Solid*	ND	U	48000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Bis(2-chloroethyl)ether, Solid*	ND	U	6600	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	n-Nitroso-di-n-propylamine, Solid*	ND	U	9900	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Hexachloroethane, Solid*	ND	U	12000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Nitrobenzene, Solid*	ND	U	6600	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Bis(2-chloroethoxy)methane, Solid*	ND	U	11000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Isophorone, Solid*	130000	J	16000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Hexachlorobutadiene, Solid*	ND	U	15000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Naphthalene, Solid*	ND	U	4700	750000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	2,4,5-Trichlorophenol, Solid*	ND	U	21000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Hexachlorocyclopentadiene, Solid*	ND	U	13000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	2-Methylnaphthalene, Solid*	ND	U	10000	750000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	2-Nitroaniline, Solid*	ND	U	8900	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	2-Chloronaphthalene, Solid*	ND	U	6800	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	2,6-Dinitrotoluene, Solid*	ND	U	8500	750000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	3-Nitroaniline, Solid*	ND	U	7100	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Dimethyl phthalate, Solid*	ND	U	5200	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Acenaphthylene, Solid*	ND	U	8900	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	2,4-Dinitrotoluene, Solid*	ND	U	7100	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Acenaphthene, Solid*	ND	U	7100	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Dibenzofuran, Solid*	ND	U	40000	750000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	4-Nitrophenol, Solid*	ND	U	9400	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Fluorene, Solid*	ND	U	11000	310000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	4-Nitroaniline, Solid*	ND	U								

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202710

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-18-14
Date Sampled.....: 12/11/2002
Time Sampled.....: 15:30
Sample Matrix.....: Soil

Laboratory Sample ID: 202710-1
Date Received.....: 12/12/2002
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Bromophenyl phenyl ether, Solid*	ND	U		6100	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Hexachlorobenzene, Solid*	ND	U		8900	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Diethyl phthalate, Solid*	ND	U		8000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	4-Chlorophenyl phenyl ether, Solid*	ND	U		7500	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Pentachlorophenol, Solid*	ND	U		20000	750000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	n-Nitrosodiphenylamine, Solid*	ND	U		7500	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Phenanthrene, Solid*	ND	U		11000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Anthracene, Solid*	ND	U		5600	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Di-n-butyl phthalate, Solid*	ND	U		6600	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Fluoranthene, Solid*	ND	U		10000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Pyrene, Solid*	ND	U		8900	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Butyl benzyl phthalate, Solid*	ND	U		6100	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Benzo(a)anthracene, Solid*	ND	U		7100	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Chrysene, Solid*	ND	U		8000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		17000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Di-n-octyl phthalate, Solid*	ND	U		5600	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Benzo(b)fluoranthene, Solid*	ND	U		18000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Benzo(k)fluoranthene, Solid*	ND	U		18000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Benzo(a)pyrene, Solid*	ND	U		7500	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		8500	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Dibenzo(a,h)anthracene, Solid*	ND	U		8500	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Benzo(ghi)perylene, Solid*	ND	U		8000	160000	20.00000	ug/Kg	13522		12/24/02 0039	pam
	Pyridine, TCLP	ND	U		0.037	0.16	4.00000	mg/L	13522		12/26/02 2151	pam
	1,4-Dichlorobenzene, TCLP	ND	J		0.002	0.080	4.00000	mg/L	13522		12/26/02 2151	pam
	2-Methylphenol, TCLP	ND	U		0.002	0.080	4.00000	mg/L	13522		12/26/02 2151	pam
	Hexachloroethane, TCLP	ND	U		0.003	0.080	4.00000	mg/L	13522		12/26/02 2151	pam
	4-Methylphenol, TCLP	ND	U		0.004	0.080	4.00000	mg/L	13522		12/26/02 2151	pam
	Nitrobenzene, TCLP	ND	U		0.002	0.080	4.00000	mg/L	13522		12/26/02 2151	pam
	Hexachlorobutadiene, TCLP	ND	U		0.004	0.080	4.00000	mg/L	13522		12/26/02 2151	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 202710						Date:01/15/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
Customer Sample ID: 09-18-14 Date Sampled.....: 12/11/2002 Time Sampled.....: 15:30 Sample Matrix.....: Soil						Laboratory Sample ID: 202710-1 Date Received.....: 12/12/2002 Time Received.....: 09:45					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,4,6-Trichlorophenol, TCLP	ND	U	0.003	0.080	4.00000	mg/L	13522		12/26/02 2151	pam
	2,4,5-Trichlorophenol, TCLP	ND	U	0.002	0.40	4.00000	mg/L	13522		12/26/02 2151	pam
	Hexachlorobenzene, TCLP	ND	U	0.004	0.080	4.00000	mg/L	13522		12/26/02 2151	pam
	Pentachlorophenol, TCLP	ND	U	0.021	0.40	4.00000	mg/L	13522		12/26/02 2151	pam

* In Description = Dry Wgt.

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

09-18-14

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202710 SAS No.:

SDG No.: 202710

Matrix: (soil/water) SOIL

Lab Sample ID: 202710-1

Sample wt/vol: 30.2 (g/mL) G

Lab File ID: Q6970

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: 41 decanted: (Y/N) N

Date Extracted: 12/17/02

Concentrated Extract Volume: 14000 (uL)

Date Analyzed: 12/24/02

Injection Volume: (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH:

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	2.64	3600000	JAB
2. 541-73-1	BENZENE, 1,3-DICHLORO-	4.16	380000	NJ
3. 65-85-0	BENZOIC ACID	5.07	380000	NJ
4.	UNKNOWN C13H100 ISOMER	7.61	2700000	J
5.	UNKNOWN C14H120 ISOMER	7.77	750000	J
6.	UNKNOWN C14H120 ISOMER	8.21	4000000	J
7.	UNKNOWN C13H9CLO ISOMER	8.23	690000	J
8.	UNKNOWN C15H140 ISOMER	8.31	2500000	J
9.	UNKNOWN C13H9CLO ISOMER	8.44	5100000	J
10.	UNKNOWN C15H140 ISOMER	8.74	680000	J
11.	UNKNOWN C17H120 ISOMER	9.80	990000	J
12.	UNKNOWN C17H100 ISOMER	11.13	6300000	J
13.	UNKNOWN	11.69	670000	J
14.	UNKNOWN	12.01	490000	J
15.	UNKNOWN	12.71	21000000	J
16.	UNKNOWN C24H1602 ISOMER	12.87	3600000	J
17.	UNKNOWN C24H1602 ISOMER	13.01	11000000	J
18.	UNKNOWN C24H1602 ISOMER	13.37	9100000	J
19.	UNKNOWN	13.53	340000	J
20.	UNKNOWN	13.61	320000	J
21.	UNKNOWN	14.93	400000	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

0000033

LABORATORY TEST RESULTS											
Job Number: 202710						Date:01/15/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
Customer Sample ID: 09-18-23 Date Sampled.....: 12/11/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202710-2 Date Received.....: 12/12/2002 Time Received.....: 09:45					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	58.0		0.10	0.10	1	%	12745		12/16/02 0000	jd
	% Moisture, Solid	42.0		0.10		1	%	12745		12/16/02 0000	jd
8270C	Semivolatiles Organics	56000	J	11000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Phenol, Solid*	ND	U	49000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Bis(2-chloroethyl)ether, Solid*	ND	U	6700	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	n-Nitroso-di-n-propylamine, Solid*	ND	U	10000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Hexachloroethane, Solid*	ND	U	12000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Nitrobenzene, Solid*	ND	U	6700	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Bis(2-chloroethoxy)methane, Solid*	120000	U	11000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Isophorone, Solid*	ND	J	16000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Hexachlorobutadiene, Solid*	ND	U	15000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Naphthalene, Solid*	ND	U	4800	760000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	2,4,5-Trichlorophenol, Solid*	ND	U	21000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Hexachlorocyclopentadiene, Solid*	ND	U	13000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	2-Methylnaphthalene, Solid*	ND	U	10000	760000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	2-Nitroaniline, Solid*	ND	U	9100	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	2-Chloronaphthalene, Solid*	ND	U	6700	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	2,6-Dinitrotoluene, Solid*	ND	U	8600	760000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	3-Nitroaniline, Solid*	ND	U	7100	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Dimethyl phthalate, Solid*	ND	U	5200	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Acenaphthylene, Solid*	ND	U	9100	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	2,4-Dinitrotoluene, Solid*	ND	U	7100	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Acenaphthene, Solid*	ND	U	40000	760000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Dibenzofuran, Solid*	ND	U	9500	160000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	4-Nitrophenol, Solid*	ND	U	11000	310000	20.00000	ug/Kg	13522		12/24/02 0103	pa
	Fluorene, Solid*		U								
4-Nitroaniline, Solid*		U									

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202710

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-18-23
Date Sampled.....: 12/11/2002
Time Sampled.....: 15:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202710-2
Date Received.....: 12/12/2002
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Bromophenyl phenyl ether, Solid*	ND	U		6200	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Hexachlorobenzene, Solid*	ND	U		9100	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Diethyl phthalate, Solid*	ND	U		8100	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	4-Chlorophenyl phenyl ether, Solid*	ND	U		7600	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Pentachlorophenol, Solid*	ND	U		20000	760000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	n-Nitrosodiphenylamine, Solid*	ND	U		7600	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Phenanthrene, Solid*	ND	U		11000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Anthracene, Solid*	ND	U		5700	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Di-n-butyl phthalate, Solid*	ND	U		6700	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Fluoranthene, Solid*	ND	U		10000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Pyrene, Solid*	ND	U		9100	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Butyl benzyl phthalate, Solid*	ND	U		6200	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Benzo(a)anthracene, Solid*	ND	U		7100	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Chrysene, Solid*	ND	U		8100	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		17000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Di-n-octyl phthalate, Solid*	ND	U		5700	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Benzo(b)fluoranthene, Solid*	ND	U		18000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Benzo(k)fluoranthene, Solid*	ND	U		19000	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Benzo(a)pyrene, Solid*	ND	U		7600	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		8600	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Dibenzo(a,h)anthracene, Solid*	ND	U		8600	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Benzo(ghi)perylene, Solid*	ND	U		8100	160000	20.00000	ug/Kg	13522		12/24/02 0103	pam
	Pyridine, TCLP	ND	U		0.037	0.16	4.00000	mg/L	13522		12/26/02 2303	pam
	1,4-Dichlorobenzene, TCLP	ND	J		0.002	0.080	4.00000	mg/L	13522		12/26/02 2303	pam
	2-Methylphenol, TCLP	ND	U		0.002	0.080	4.00000	mg/L	13522		12/26/02 2303	pam
	Hexachloroethane, TCLP	ND	U		0.003	0.080	4.00000	mg/L	13522		12/26/02 2303	pam
	4-Methylphenol, TCLP	ND	U		0.004	0.080	4.00000	mg/L	13522		12/26/02 2303	pam
	Nitrobenzene, TCLP	ND	U		0.002	0.080	4.00000	mg/L	13522		12/26/02 2303	pam
	Hexachlorobutadiene, TCLP	ND	U		0.004	0.080	4.00000	mg/L	13522		12/26/02 2303	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202710

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-18-23

Date Sampled.....: 12/11/2002

Time Sampled.....: 15:50

Sample Matrix.....: Soil

Laboratory Sample ID: 202710-2

Date Received.....: 12/12/2002

Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
2,4,6-Trichlorophenol, TCLP		ND	U	0.003	0.080	4.00000	mg/L	13522		12/26/02 2303	pam
2,4,5-Trichlorophenol, TCLP		ND	U	0.002	0.40	4.00000	mg/L	13522		12/26/02 2303	pam
Hexachlorobenzene, TCLP		ND	U	0.004	0.080	4.00000	mg/L	13522		12/26/02 2303	pam
Pentachlorophenol, TCLP		ND	U	0.021	0.40	4.00000	mg/L	13522		12/26/02 2303	pam

* In Description = Dry Wgt.

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

09-18-23

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202710

SAS No.:

SDG No.: 202710

Matrix: (soil/water) SOIL

Lab Sample ID: 202710-2

Sample wt/vol: 30.4 (g/mL) G

Lab File ID: Q6971

Level: (low/med) LOW

Date Received: 12/12/02

% Moisture: 42 decanted: (Y/N) N

Date Extracted: 12/17/02

Concentrated Extract Volume: 14000 (uL)

Date Analyzed: 12/24/02

Injection Volume: _____ (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	ALDOL CONDENSATION PRODUCT	2.64	5300000	JAB
2. 95-50-1	BENZENE, 1,2-DICHLORO-	4.16	370000	NJ
3.	UNKNOWN C13H100 ISOMER	7.61	2600000	J
4.	UNKNOWN C14H120 ISOMER	7.77	680000	J
5.	UNKNOWN C14H120 ISOMER	8.20	3300000	J
6.	UNKNOWN C13H9CLO ISOMER	8.23	660000	J
7.	UNKNOWN C15H140 ISOMER	8.31	2100000	J
8.	UNKNOWN C13H9CLO ISOMER	8.43	4500000	J
9.	UNKNOWN C15H140 ISOMER	8.74	600000	J
10.	UNKNOWN C17H120 ISOMER	9.79	890000	J
11.	UNKNOWN C17H100 ISOMER	11.13	6100000	J
12.	UNKNOWN	11.69	530000	J
13.	UNKNOWN	12.01	450000	J
14.	UNKNOWN	12.38	360000	J
15.	UNKNOWN	12.71	21000000	J
16.	UNKNOWN C24H16O2 ISOMER	12.87	3700000	J
17.	UNKNOWN C24H16O2 ISOMER	13.00	11000000	J
18.	UNKNOWN	13.37	8400000	J
19.	UNKNOWN	13.53	380000	J
20.	UNKNOWN	13.61	290000	J
21.	UNKNOWN	14.93	350000	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

0000007

LABORATORY TEST RESULTS												
Job Number: 202710				Date:01/15/2003								
CUSTOMER: ROUX ASSOCIATES				PROJECT: BASF								
Customer Sample ID: 09-23-11 Date Sampled.....: 12/12/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil				Laboratory Sample ID: 202710-8 Date Received.....: 12/13/2002 Time Received.....: 10:00 ATTN: Mike Roux								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216 8270C	% Solids, Solid	72.1			0.10	0.10	1	%	12745		12/16/02 0000	jdW
	% Moisture, Solid	27.9			0.10	0.10	1	%	12745		12/16/02 0000	jdW
	Semivolatile Organics	6900										
	Phenol, Solid*	ND	J		520	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Bis(2-chloroethyl)ether, Solid*	ND	U		2200	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	n-Nitroso-di-n-propylamine, Solid*	ND	U		300	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Hexachloroethane, Solid*	ND	U		460	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Nitrobenzene, Solid*	ND	U		540	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Bis(2-chloroethoxy)methane, Solid*	ND	U		300	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Isophorone, Solid*	ND	U		500	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Hexachlorobutadiene, Solid*	ND	U		720	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Naphthalene, Solid*	ND	U		690	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	2,4,5-Trichlorophenol, Solid*	4000	J		220	35000	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Hexachlorocyclopentadiene, Solid*	ND	U		980	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	2-Methylnaphthalene, Solid*	ND	U		610	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	2-Nitroaniline, Solid*	ND	U		480	35000	8.00000	ug/Kg	13522		12/23/02 2303	pam
	2-Chloronaphthalene, Solid*	8000	U		410	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	2,6-Dinitrotoluene, Solid*	ND	U		300	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	3-Nitroaniline, Solid*	ND	U		390	35000	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Dimethyl phthalate, Solid*	ND	U		330	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Acenaphthylene, Solid*	ND	U		240	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	2,4-Dinitrotoluene, Solid*	ND	U		410	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Acenaphthene, Solid*	ND	U		330	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Dibenzofuran, Solid*	ND	U		330	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	4-Nitrophenol, Solid*	ND	U		1800	35000	8.00000	ug/Kg	13522		12/23/02 2303	pam
Fluorene, Solid*	ND	U		430	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam	
4-Nitroaniline, Solid*	20000	U		520	14000	8.00000	ug/Kg	13522		12/23/02 2303	pam	

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202710

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-23-11
Date Sampled.....: 12/12/2002
Time Sampled.....: 15:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202710-8
Date Received.....: 12/13/2002
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Bromophenyl phenyl ether, Solid*	ND	U		280	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Hexachlorobenzene, Solid*	ND	U		410	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Diethyl phthalate, Solid*	ND	U		370	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	4-Chlorophenyl phenyl ether, Solid*	ND	U		350	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Pentachlorophenol, Solid*	ND	U		930	35000	8.00000	ug/Kg	13522		12/23/02 2303	pam
	n-Nitrosodiphenylamine, Solid*	ND	U		350	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Phenanthrene, Solid*	ND	U		520	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Anthracene, Solid*	ND	U		260	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Di-n-butyl phthalate, Solid*	ND	U		300	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Fluoranthene, Solid*	ND	U		480	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Pyrene, Solid*	ND	U		410	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Butyl benzyl phthalate, Solid*	ND	U		280	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Benzo(a)anthracene, Solid*	ND	U		330	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Chrysene, Solid*	ND	U		370	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		780	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Di-n-octyl phthalate, Solid*	ND	U		260	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Benzo(b)fluoranthene, Solid*	ND	U		820	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Benzo(k)fluoranthene, Solid*	ND	U		850	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Benzo(a)pyrene, Solid*	ND	U		350	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Indeno(1,2,3-cd)pyrene, Solid*	ND	U		390	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Dibenzo(a,h)anthracene, Solid*	ND	U		390	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Benzo(ghi)perylene, Solid*	ND	U		370	7200	8.00000	ug/Kg	13522		12/23/02 2303	pam
	Pyridine, TCLP	ND	U		0.009	0.040	1.00000	mg/L	13522		12/23/02 2303	pam
	1,4-Dichlorobenzene, TCLP	ND	U		0.0004	0.020	1.00000	mg/L	13522		12/23/02 2303	pam
	2-Methylphenol, TCLP	ND	U		0.0006	0.020	1.00000	mg/L	13522		12/23/02 2303	pam
	Hexachloroethane, TCLP	ND	U		0.0008	0.020	1.00000	mg/L	13522		12/23/02 2303	pam
	4-Methylphenol, TCLP	ND	U		0.001	0.020	1.00000	mg/L	13522		12/23/02 2303	pam
	Nitrobenzene, TCLP	ND	U		0.0006	0.020	1.00000	mg/L	13522		12/23/02 2303	pam
	Hexachlorobutadiene, TCLP	ND	U		0.001	0.020	1.00000	mg/L	13522		12/23/02 2303	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 202710						Date:01/15/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
ATTN: Mike Roux											
Customer Sample ID: 09-23-11 Date Sampled.....: 12/12/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202710-8 Date Received.....: 12/13/2002 Time Received.....: 10:00					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,4,6-Trichlorophenol, TCLP	ND	U	0.0008	0.020	1.00000	mg/L	13522		12/23/02 2239	pam
	2,4,5-Trichlorophenol, TCLP	ND	U	0.0006	0.10	1.00000	mg/L	13522		12/23/02 2239	pam
	Hexachlorobenzene, TCLP	ND	U	0.001	0.020	1.00000	mg/L	13522		12/23/02 2239	pam
	Pentachlorophenol, TCLP	ND	U	0.005	0.10	1.00000	mg/L	13522		12/23/02 2239	pam

* In Description = Dry Wgt.

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

09-23-11

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202710 SAS No.:

SDG No.: 202710

Matrix: (soil/water) SOIL

Lab Sample ID: 202710-8

Sample wt/vol: 30.7 (g/mL) G

Lab File ID: Q6966

Level: (low/med) LOW

Date Received: 12/13/02

% Moisture: 28 decanted: (Y/N) N

Date Extracted: 12/17/02

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 12/23/02

Injection Volume: _____ (uL)

Dilution Factor: 8.0

GPC Cleanup: (Y/N) N

pH: 7.0

CONCENTRATION UNITS:

Number TICs found: 21

(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.37	8800	J
2.	ALDOL CONDENSATION PRODUCT	2.61	140000	JAB
3.	UNKNOWN C8H11N ISOMER	5.03	11000	J
4.	UNKNOWN CHLORONAPHTHALENE IS	6.36	27000	J
5.	UNKNOWN C13H12 ISOMER	6.59	29000	J
6.	UNKNOWN C13H10O ISOMER	7.59	31000	J
7.	UNKNOWN C9H12O3 ISOMER	7.70	8800	J
8.	UNKNOWN C14H8O 2ISOMER	9.13	15000	J
9.	UNKNOWN	9.25	7900	J
10.	UNKNOWN	9.32	25000	J
11.	UNKNOWN ORGANIC ACID	10.06	10000	J
12.	UNKNOWN	10.39	13000	J
13.	UNKNOWN	10.42	8200	J
14.	UNKNOWN	10.80	6200	J
15.	UNKNOWN C15H14O5 ISOMER	10.89	40000	J
16.	UNKNOWN C14H9NO3 ISOMER	11.01	6900	J
17.	UNKNOWN	11.11	8300	J
18.	UNKNOWN C15H13N ISOMER	11.20	11000	J
19.	UNKNOWN	11.43	160000	J
20.	UNKNOWN	12.44	14000	J
21.	UNKNOWN	12.67	110000	J
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

0000053

LABORATORY TEST RESULTS											
Job Number: 202710					Date:01/15/2003						
CUSTOMER: ROUX ASSOCIATES					PROJECT: BASF						
ATTN: Mike Roux											
Customer Sample ID: 09-18-14					Laboratory Sample ID: 202710-1						
Date Sampled.....: 12/11/2002					Date Received.....: 12/12/2002						
Time Sampled.....: 15:30					Time Received.....: 09:45						
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	NDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216 8082	% Solids, Solid	59.1		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	% Moisture, Solid	40.9		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	PCB Analysis										
	Aroclor 1016, Solid*	ND	U	52	640	5.00000	ug/Kg	13269		12/20/02 2011	kan
	Aroclor 1221, Solid*	ND	U	47	1200	5.00000	ug/Kg	13269		12/20/02 2011	kan
	Aroclor 1232, Solid*	ND	U	54	640	5.00000	ug/Kg	13269		12/20/02 2011	kan
	Aroclor 1242, Solid*	ND	U	56	640	5.00000	ug/Kg	13269		12/20/02 2011	kan
	Aroclor 1248, Solid*	ND	U	38	640	5.00000	ug/Kg	13269		12/20/02 2011	kan
	Aroclor 1254, Solid*	ND	U	60	640	5.00000	ug/Kg	13269		12/20/02 2011	kan
	Aroclor 1260, Solid*	ND	U	54	640	5.00000	ug/Kg	13269		12/20/02 2011	kan

* In Description = Dry Wgt.

Job Number: 202710

LABORATORY TEST RESULTS

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-18-23
Date Sampled.....: 12/11/2002
Time Sampled.....: 15:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202710-2
Date Received.....: 12/12/2002
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	HATCH	DT	DATE/TIME	TECH
ASTM D-2216 8082	% Solids, Solid	58.0		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	% Moisture, Solid	42.0		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	PCB Analysis										
	Aroclor 1016, Solid*	ND	U	23	290	10.0000	ug/Kg	13269		12/20/02 2051	kam
	Aroclor 1221, Solid*	ND	U	21	560	10.0000	ug/Kg	13269		12/20/02 2051	kam
	Aroclor 1232, Solid*	ND	U	24	290	10.0000	ug/Kg	13269		12/20/02 2051	kam
	Aroclor 1242, Solid*	ND	U	25	290	10.0000	ug/Kg	13269		12/20/02 2051	kam
	Aroclor 1248, Solid*	ND	U	17	290	10.0000	ug/Kg	13269		12/20/02 2051	kam
	Aroclor 1254, Solid*	ND	U	27	290	10.0000	ug/Kg	13269		12/20/02 2051	kam
	Aroclor 1260, Solid*	ND	U	24	290	10.0000	ug/Kg	13269		12/20/02 2051	kam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202710

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: MIKE ROUX

Customer Sample ID: 09-23-11
Date Sampled.....: 12/12/2002
Time Sampled.....: 15:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202710-8
Date Received.....: 12/13/2002
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216 8082	% Solids, Solid	72.1		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	% Moisture, Solid	27.9		0.10	0.10	1	%	12745		12/16/02 0000	jdW
	PCB Analysis										
	Aroclor 1016, Solid*	ND	U	1.9	23	1.00000	ug/Kg	13269		12/20/02 2212	kaM
	Aroclor 1221, Solid*	ND	U	1.7	45	1.00000	ug/Kg	13269		12/20/02 2212	kaM
	Aroclor 1232, Solid*	ND	U	2.0	23	1.00000	ug/Kg	13269		12/20/02 2212	kaM
	Aroclor 1242, Solid*	ND	U	2.0	23	1.00000	ug/Kg	13269		12/20/02 2212	kaM
	Aroclor 1248, Solid*	ND	U	1.4	23	1.00000	ug/Kg	13269		12/20/02 2212	kaM
	Aroclor 1254, Solid*	88		2.2	23	1.00000	ug/Kg	13269		12/20/02 2212	kaM
	Aroclor 1260, Solid*	250	M	1.9	23	1.00000	ug/Kg	13269		12/20/02 2212	kaM

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 202710						Date:01/10/2003					
CUSTOMER: ROUX ASSOCIATES						ATTN: MIKE ROUX					
Customer Sample ID: 09-18-14 Date Sampled.....: 12/11/2002 Time Sampled.....: 15:30 Sample Matrix.....: Soil						Laboratory Sample ID: 202710-1 Date Received.....: 12/12/2002 Time Received.....: 09:45					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	59.1		0.10	0.10	1	%	12745		12/16/02 0000	jdw
	% Moisture, Solid	40.9		0.10	0.10	1	%	12745		12/16/02 0000	jdw
7471A	Mercury (CVAA) Solids	1210	B	76.9	3080	1.0000	ug/Kg	12690		12/16/02 1231	nnp
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	5260000		189000	1680000	5	ug/Kg	13015		12/23/02 1438	dwh
	Antimony, Solid*	ND	U	7810	76100	5	ug/Kg	13015		12/23/02 1438	dwh
	Arsenic, Solid*	26100	B	6510	52100	5	ug/Kg	13015		12/23/02 1438	dwh
	Barium, Solid*	53700		1950	13000	5	ug/Kg	13015		12/23/02 1438	dwh
	Beryllium, Solid*	ND	U	3250	13000	5	ug/Kg	13015		12/23/02 1438	dwh
	Cadmium, Solid*	ND	U	6510	19500	5	ug/Kg	13015		12/23/02 1438	dwh
	Calcium, Solid*	10700000		56000	553000	5	ug/Kg	13015		12/23/02 1438	dwh
	Chromium, Solid*	66700		3250	19500	5	ug/Kg	13015		12/23/02 1438	dwh
	Cobalt, Solid*	16300		1950	13000	5	ug/Kg	13015		12/23/02 1438	dwh
	Copper, Solid*	165000		3250	32500	5	ug/Kg	13015		12/23/02 1438	dwh
	Iron, Solid*	66200000		143000	944000	5	ug/Kg	13015		12/23/02 1438	dwh
	Lead, Solid*	216000		6510	58600	5	ug/Kg	13015		12/23/02 1438	dwh
	Magnesium, Solid*	716000		23400	228000	5	ug/Kg	13015		12/23/02 1438	dwh
	Manganese, Solid*	635000		1950	16300	5	ug/Kg	13015		12/23/02 1438	dwh
	Nickel, Solid*	63500		3250	32500	5	ug/Kg	13015		12/23/02 1438	dwh
	Potassium, Solid*	400000		280000	1300000	5	ug/Kg	13015		12/23/02 1438	dwh
	Selenium, Solid*	ND	B	10400	104000	5	ug/Kg	13015		12/23/02 1438	dwh
	Silver, Solid*	ND	U	1950	19500	5	ug/Kg	13015		12/23/02 1438	dwh
	Sodium, Solid*	19300000	U	61200	612000	5	ug/Kg	13015		12/23/02 1438	dwh
	Thallium, Solid*	ND	U	19500	143000	5	ug/Kg	13015		12/23/02 1438	dwh
	Vanadium, Solid*	18600	B	2600	26000	5	ug/Kg	13015		12/23/02 1438	dwh

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 202710						Date:01/10/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
Customer Sample ID: 09-18-14 Date Sampled.....: 12/11/2002 Time Sampled.....: 15:30 Sample Matrix.....: Soil						Laboratory Sample ID: 202710-1 Date Received.....: 12/12/2002 Time Received.....: 09:45 ATTN: Mike Roux					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MOL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Zinc, Solid*	137000		15600	130000	5	ug/Kg	13015		12/23/02	dwh
	Arsenic, TCLP	31.1		5.4	30.8	1	ug/L	13014		12/23/02	dwh
	Barium, TCLP	437		0.82	3.8	1	ug/L	13014		12/23/02	dwh
	Cadmium, TCLP	12.2		0.98	7.7	1	ug/L	13014		12/23/02	dwh
	Chromium, TCLP	1.8	B	1.2	7.7	1	ug/L	13014		12/23/02	dwh
	Lead, TCLP	ND	U	2.6	7.7	1	ug/L	13014		12/23/02	dwh
	Selenium, TCLP	9.9	B	5.3	23.1	1	ug/L	13014		12/23/02	dwh
	Silver, TCLP	1.3	B	1.1	4.6	1	ug/L	13014		12/23/02	dwh
	Leachable, Mercury (CVAA)	ND	U	0.90	10.0	1.0000	ug/L	13021		12/23/02	dwh
	Mercury, TCLP										

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 202710				Date:01/10/2003								
CUSTOMER: ROUX ASSOCIATES												
PROJECT: BASF												
ATTN: Mike Roux												
Laboratory Sample ID: 202710-2												
Date Sampled.....: 12/11/2002												
Time Sampled.....: 15:50												
Sample Matrix.....: Soil												
Laboratory Sample ID: 202710-2												
Date Received.....: 12/12/2002												
Time Received.....: 09:45												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
ASTM D-2216	% Solids, Solid	58.0		0.10	0.10	1	%	12745		12/16/02	jdW	
	% Moisture, Solid	42.0		0.10	0.10	1	%	12745		12/16/02	jdW	
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	1650	B	1480	59100	20.000	ug/Kg	12690		12/16/02	nnp	
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6440000		203000	1810000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Antimony, Solid*	ND	U	8410	82000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Arsenic, Solid*	8400	B	7010	56100	5	ug/Kg	13015		12/23/02	1502 dwh	
	Barium, Solid*	54700		2100	14000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Beryllium, Solid*	ND	U	3500	14000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Cadmium, Solid*	ND	U	7010	21000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Calcium, Solid*	10700000		60300	596000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Chromium, Solid*	13700	B	3500	21000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Cobalt, Solid*	5410	B	2100	14000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Copper, Solid*	99000		3500	35000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Iron, Solid*	44900000		154000	1020000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Lead, Solid*	157000		7010	63100	5	ug/Kg	13015		12/23/02	1502 dwh	
	Magnesium, Solid*	429000		25200	245000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Manganese, Solid*	444000		2100	17500	5	ug/Kg	13015		12/23/02	1502 dwh	
	Nickel, Solid*	20900	B	3500	35000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Potassium, Solid*	ND	U	301000	1400000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Selenium, Solid*	ND	U	11200	112000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Silver, Solid*	ND	U	2100	21000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Sodium, Solid*	32700000	U	65900	659000	5	ug/Kg	13015		12/23/02	1502 dwh	
	Thallium, Solid*	ND	U	21000	154000	5	ug/Kg	13015		12/23/02	1502 dwh	
		Vanadium, Solid*	11500	B	2800	28000	5	ug/Kg	13015		12/23/02	1502 dwh

* In Description = Dry Wgt.

LABORATORY TEST RESULTS													
Job Number: 202710					Date:01/10/2003								
CUSTOMER: ROUX ASSOCIATES					PROJECT: BASF								
Customer Sample ID: 09-18-23					Laboratory Sample ID: 202710-2								
Date Sampled.....: 12/11/2002					Date Received.....: 12/12/2002								
Time Sampled.....: 15:50					Time Received.....: 09:45								
Sample Matrix.....: Soil					ATTN: Mike Roux								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
7470A	Zinc, Solid*	52500	B		16800	140000	5	ug/Kg	13015		12/23/02 1502	dwh	
	Arsenic, TCLP	ND	U		34.8	200	1	ug/L	13014		12/23/02 1716	dwh	
	Barium, TCLP	189	U		5.4	25.0	1	ug/L	13014		12/23/02 1716	dwh	
	Cadmium, TCLP	ND	U		6.4	50.0	1	ug/L	13014		12/23/02 1716	dwh	
	Chromium, TCLP	ND	U		7.6	50.0	1	ug/L	13014		12/23/02 1716	dwh	
	Lead, TCLP	ND	U		17.0	50.0	1	ug/L	13014		12/23/02 1716	dwh	
	Selenium, TCLP	ND	U		34.6	150	1	ug/L	13014		12/23/02 1716	dwh	
	Silver, TCLP	ND	U		6.8	30.0	1	ug/L	13014		12/23/02 1716	dwh	
	Leachable, Mercury (CVAA)	ND	U		0.90	10.0	1.0000	ug/L	13021		12/23/02 1451	dwh	
	Mercury, TCLP												

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 202710						Date:01/10/2003					
CUSTOMER: ROUX ASSOCIATES											
PROJECT: BASF											
ATTN: Mike Roux											
Laboratory Sample ID: 202710-8											
Date Sampled.....: 12/12/2002											
Time Sampled.....: 15:50											
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	72.1		0.10	0.10	1	%	12745		12/16/02 0000	jd
	% Moisture, Solid	27.9		0.10	0.10	1	%	12745		12/16/02 0000	jd
7471A	Mercury (CVAA) Solids	1580	B	578	23100	10.000	ug/Kg	12690		12/16/02 1432	nnp
6010B	Mercury, Solid*										
	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	5990000		141000	1250000	5	ug/Kg	13015		12/23/02 1508	dwh
	Antimony, Solid*	ND	U	5820	56700	5	ug/Kg	13015		12/23/02 1508	dwh
	Arsenic, Solid*	66800		4850	38800	5	ug/Kg	13015		12/23/02 1508	dwh
	Barium, Solid*	86300		1450	9700	5	ug/Kg	13015		12/23/02 1508	dwh
	Beryllium, Solid*	ND	U	2420	9700	5	ug/Kg	13015		12/23/02 1508	dwh
	Cadmium, Solid*	ND	U	4850	14500	5	ug/Kg	13015		12/23/02 1508	dwh
	Calcium, Solid*	7500000		41700	412000	5	ug/Kg	13015		12/23/02 1508	dwh
	Chromium, Solid*	2710000		2420	14500	5	ug/Kg	13015		12/23/02 1508	dwh
	Cobalt, Solid*	33100		1450	9700	5	ug/Kg	13015		12/23/02 1508	dwh
	Copper, Solid*	762000		2420	24200	5	ug/Kg	13015		12/23/02 1508	dwh
	Iron, Solid*	207000000		107000	703000	5	ug/Kg	13015		12/23/02 1508	dwh
	Lead, Solid*	269000000		4850	43600	5	ug/Kg	13015		12/23/02 1508	dwh
	Magnesium, Solid*	3200000		17500	170000	5	ug/Kg	13015		12/23/02 1508	dwh
	Manganese, Solid*	1780000		1450	12100	5	ug/Kg	13015		12/23/02 1508	dwh
	Nickel, Solid*	264000		2420	24200	5	ug/Kg	13015		12/23/02 1508	dwh
	Potassium, Solid*	963000		209000	970000	5	ug/Kg	13015		12/23/02 1508	dwh
	Selenium, Solid*	ND	B	7760	77600	5	ug/Kg	13015		12/23/02 1508	dwh
	Silver, Solid*	ND	U	1450	14500	5	ug/Kg	13015		12/23/02 1508	dwh
Sodium, Solid*	300000	U	45600	456000	5	ug/Kg	13015		12/23/02 1508	dwh	
Thallium, Solid*	ND	B	14500	107000	5	ug/Kg	13015		12/23/02 1508	dwh	
Vanadium, Solid*	164000	U	1940	19400	5	ug/Kg	13015		12/23/02 1508	dwh	

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202710

Date:01/10/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-23-11
Date Sampled.....: 12/12/2002
Time Sampled.....: 15:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202710-8
Date Received.....: 12/13/2002
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
7470A	Zinc, Solid*	1450000			11600	97000	5	ug/Kg	13015		12/23/02 1508	dwh	
	Arsenic, TCLP	ND	U		34.8	200	1	ug/L	13014		12/23/02 1722	dwh	
	Barium, TCLP	291			5.4	25.0	1	ug/L	13014		12/23/02 1722	dwh	
	Cadmium, TCLP	10.7	B		6.4	50.0	1	ug/L	13014		12/23/02 1722	dwh	
	Chromium, TCLP	98.4			7.6	50.0	1	ug/L	13014		12/23/02 1722	dwh	
	Lead, TCLP	253000			17.0	50.0	1	ug/L	13014		12/23/02 1722	dwh	
	Selenium, TCLP	ND	U		34.6	150	1	ug/L	13014		12/23/02 1722	dwh	
	Silver, TCLP	ND	U		6.8	30.0	1	ug/L	13014		12/23/02 1722	dwh	
	Leachable, Mercury (CVAA)												
	Mercury, TCLP	ND	U		0.90	10.0	1.0000	ug/L	13021		12/23/02 1453	dwh	

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 202710						Date:12/23/2002						
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF						
ATTN: Mike Roux												
Customer Sample ID: 09-18-14 Date Sampled.....: 12/11/2002 Time Sampled.....: 15:30 Sample Matrix.....: Soil						Laboratory Sample ID: 202710-1 Date Received.....: 12/12/2002 Time Received.....: 09:45						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	59.1			0.10	0.10	1	%	12745		12/16/02 0000	jdW
	% Moisture, Solid	40.9			0.10	0.10	1	%	12745		12/16/02 0000	jdW
9012	Cyanide (Colorimetric) Cyanide, Total, Solid*	ND	U		0.091	0.85	1.0	mg/Kg	12965		12/19/02 1945	dtN
3500-CrD	Hexavalent Chromium Hexavalent Chromium, Solid*	ND	U		0.0003	0.0677	1	mg/Kg	12941		12/17/02 1715	ams

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202710

Date: 12/23/2002

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-18-23
Date Sampled.....: 12/11/2002
Time Sampled.....: 15:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202710-2
Date Received.....: 12/12/2002
Time Received.....: 09:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	58.0			0.10	0.10	1	%	12745		12/16/02 0000	jdj
	% Moisture, Solid	42.0			0.10	0.10	1	%	12745		12/16/02 0000	jdj
9012	Cyanide (Colorimetric)	ND		U	0.093	0.86	1.0	mg/Kg	12965		12/19/02 1947	dtm
	Cyanide, Total, Solid*											
3500-CrD	Hexavalent Chromium	0.007		B	0.0003	0.0690	1	mg/Kg	12941		12/17/02 1724	ams
	Hexavalent Chromium, Solid*											

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 202710					Date:12/23/2002							
CUSTOMER: ROUX ASSOCIATES					PROJECT: BASF							
Customer Sample ID: 09-23-11 Date Sampled.....: 12/12/2002 Time Sampled.....: 15:50 Sample Matrix.....: Soil					Laboratory Sample ID: 202710-8 Date Received.....: 12/13/2002 Time Received.....: 10:00							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	72.1			0.10	0.10	1	%	12745		12/16/02 0000	jdW
	% Moisture, Solid	27.9			0.10	0.10	1	%	12745		12/16/02 0000	jdW
9012	Cyanide (Colorimetric)	ND	U		0.075	0.69	1.0	mg/Kg	12965		12/19/02 1948	dtN
	Cyanide, Total, Solid*											
3500-CrD	Hexavalent Chromium	ND	U		0.0003	0.0555	1	mg/Kg	12941		12/17/02 1726	ams
	Hexavalent Chromium, Solid*											

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 202710

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Lab ID: 202710-1 Client ID: 09-18-14		Date Recvd: 12/12/2002		Sample Date: 12/11/2002			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
ASTM D-2216		1	12745			12/16/2002 0000	
5030A	5030 Purge & Trap (Med. Level) 10ml	1	12815				
5030A	5030CP TCLP/SPLP Prep	1	12722				
7470/7471	74706 Digestion (Hg)	1	12673			12/16/2002 0000	
3010A	Acid Dig. Leachates (ICAP)	1	12952			12/23/2002 0000	
3050B	Acid Digestion: Solids (ICAP)	1	12920			12/20/2002 0000	
9012	Cyanide (Colorimetric)	1	12965	12984		12/19/2002 1945	1.0
CN Prep Method	Cyanide sample Preparation	1	12984			12/19/2002 0000	
3510C	Extraction Sep. Funnel (SVOC)	1	12968			12/19/2002 0000	
3541	Extraction Soxhlet (SVOC)	1	12842			12/17/2002 0000	
3550B	Extraction Ultrasonic (PCBs)	1	12831			12/18/2002 0000	
3500-CrD	Hexavalent Chromium	1	12941			12/17/2002 1715	
7470A	Leachable, Mercury (CVAA)	1	13021	12958		12/23/2002 1447	1.0000
7471A	Mercury (CVAA) Solids	1	12690	12673		12/16/2002 1231	1.0000
6010B	Metals Analysis (ICAP Trace)	1	13015	12920		12/23/2002 1438	5
6010B	Metals Analysis (ICAP Trace)	1	13014	12920		12/23/2002 1634	
8082	PCB Analysis	1	13269	12831		12/20/2002 2011	5.00000
8082	PCB Analysis, Confirmation	1	13271	12831		12/20/2002 2011	5.00000
7470	SW846 Dig. Leachates (Hg)	1	12958			12/23/2002 0000	
8270C	Semivolatile Organics	1	13522	12842		12/24/2002 0039	20.0000
8270C	Semivolatile Organics	1	13522	12968	-13026	12/26/2002 2151	4.00000
BNA TIC	Semivolatile TIC	1	13614	12842		12/24/2002 0039	20.0000
1311	TCLP Extraction	1	13026			12/20/2002 0000	
1311	TCLP Zero Headspace Extraction	1	12684			12/13/2002 0000	
8260B	Volatile Organics	1	12817	12815		12/17/2002 1843	100.000
8260B	Volatile Organics (5mL Purge)	1	12725	12722		12/14/2002 2343	125.000
VOA TIC	Volatile TIC	1	13422	12815		12/17/2002 1843	100.000

Lab ID: 202710-2 Client ID: 09-18-23		Date Recvd: 12/12/2002		Sample Date: 12/11/2002			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
ASTM D-2216		1	12745			12/16/2002 0000	
5030A	5030 Purge & Trap (Med. Level) 10ml	1	12687				
5030A	5030CP TCLP/SPLP Prep	1	12722				
7470/7471	74706 Digestion (Hg)	1	12673			12/16/2002 0000	
3010A	Acid Dig. Leachates (ICAP)	1	12952			12/23/2002 0000	
3050B	Acid Digestion: Solids (ICAP)	1	12920			12/20/2002 0000	
9012	Cyanide (Colorimetric)	1	12965	12984		12/19/2002 1947	1.0
CN Prep Method	Cyanide sample Preparation	1	12984			12/19/2002 0000	
3510C	Extraction Sep. Funnel (SVOC)	1	12968			12/19/2002 0000	
3541	Extraction Soxhlet (SVOC)	1	12842			12/17/2002 0000	
3550B	Extraction Ultrasonic (PCBs)	1	12831			12/18/2002 0000	
3500-CrD	Hexavalent Chromium	1	12941			12/17/2002 1724	
7470A	Leachable, Mercury (CVAA)	1	13021	12958		12/23/2002 1451	1.0000
7471A	Mercury (CVAA) Solids	1	12690	12673		12/16/2002 1430	20.000
6010B	Metals Analysis (ICAP Trace)	1	13015	12920		12/23/2002 1502	5
6010B	Metals Analysis (ICAP Trace)	1	13014	12952		12/23/2002 1716	
8082	PCB Analysis	1	13269	12831		12/20/2002 2051	10.0000
8082	PCB Analysis, Confirmation	1	13271	12831		12/20/2002 2051	10.0000
7470	SW846 Dig. Leachates (Hg)	1	12958			12/23/2002 0000	
8270C	Semivolatile Organics	1	13522	12842		12/24/2002 0103	20.0000
8270C	Semivolatile Organics	1	13522	12968	-13026	12/26/2002 2303	4.00000
BNA TIC	Semivolatile TIC	1	13614	12842		12/24/2002 0103	20.0000
1311	TCLP Extraction	1	13026			12/20/2002 0000	
1311	TCLP Zero Headspace Extraction	1	12684			12/13/2002 0000	
8260B	Volatile Organics	1	12721	12687		12/12/2002 1859	50.0000

LABORATORY CHRONICLE

Job Number: 202710

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Lab ID: 202710-2	Client ID: 09-18-23	Date Recvd: 12/12/2002	Sample Date: 12/11/2002	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
8260B	Volatile Organics (5mL Purge)	1	12725	12722
VOA TIC	Volatile TIC	1	13422	12687
				DATE/TIME ANALYZED
				12/14/2002 2310
				12/12/2002 1859
				DILUTION
				125.000
				50.0000

Lab ID: 202710-3	Client ID: WC-AREA1-1-14	Date Recvd: 12/12/2002	Sample Date: 12/11/2002	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
ASTM D-2216		1	12745	
5030A	5030 Purge & Trap (Med. Level) 10ml	1	12687	
3541	Extraction Soxhlet (SVOC)	1	12842	
7470A	Leachable, Mercury (CVAA)	1	13411	13295
7470	SW846 Dig. Leachates (Hg)	1	13295	
8270C	Semivolatile Organics	1	13522	12842
BNA TIC	Semivolatile TIC	1	13614	12842
1311	TCLP Extraction	1	13510	
8260B	Volatile Organics	1	12721	12687
VOA TIC	Volatile TIC	1	13422	12687
				DATE/TIME ANALYZED
				12/16/2002 0000
				12/17/2002 0000
				01/06/2003 1106
				01/03/2003 0000
				12/24/2002 0016
				12/24/2002 0016
				01/03/2003 0000
				12/12/2002 1931
				12/12/2002 1931
				DILUTION
				8.00000
				8.00000
				50.0000
				50.0000

Lab ID: 202710-4	Client ID: WC-AREA1-1-15	Date Recvd: 12/12/2002	Sample Date: 12/11/2002	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
ASTM D-2216		1	12745	
5030A	5030 Purge & Trap (Med. Level) 10ml	1	12687	
3541	Extraction Soxhlet (SVOC)	1	12842	
7470A	Leachable, Mercury (CVAA)	1	13411	13295
7470	SW846 Dig. Leachates (Hg)	1	13295	
8270C	Semivolatile Organics	1	13522	12842
BNA TIC	Semivolatile TIC	1	13614	12842
1311	TCLP Extraction	1	13510	
8260B	Volatile Organics	1	12721	12687
VOA TIC	Volatile TIC	1	13422	12687
				DATE/TIME ANALYZED
				12/16/2002 0000
				12/17/2002 0000
				01/06/2003 1108
				01/03/2003 0000
				12/19/2002 2226
				12/19/2002 2226
				01/03/2003 0000
				12/12/2002 1753
				12/12/2002 1753
				DILUTION
				4.00000
				4.00000
				1.00000
				1.00000

Lab ID: 202710-5	Client ID: WC-AREA1-1-16	Date Recvd: 12/12/2002	Sample Date: 12/11/2002	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
ASTM D-2216		1	12745	
5030A	5030 Purge & Trap (Med. Level) 10ml	1	12751	
3541	Extraction Soxhlet (SVOC)	1	12842	
7470A	Leachable, Mercury (CVAA)	1	13411	13295
7470	SW846 Dig. Leachates (Hg)	1	13295	
8270C	Semivolatile Organics	1	13522	12842
BNA TIC	Semivolatile TIC	1	13614	12842
1311	TCLP Extraction	1	13510	
8260B	Volatile Organics	1	12752	12751
VOA TIC	Volatile TIC	1	13422	12751
				DATE/TIME ANALYZED
				12/16/2002 0000
				12/17/2002 0000
				01/06/2003 1109
				01/03/2003 0000
				12/24/2002 0127
				12/24/2002 0127
				01/03/2003 0000
				12/16/2002 1453
				12/16/2002 1453
				DILUTION
				4.00000
				4.00000
				5.00000
				5.00000

Lab ID: 202710-6	Client ID: WC-AREA1-1-17	Date Recvd: 12/12/2002	Sample Date: 12/11/2002	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
ASTM D-2216		1	12745	
5030A	5030 Purge & Trap (Med. Level) 10ml	1	12751	
3541	Extraction Soxhlet (SVOC)	1	12842	
7470A	Leachable, Mercury (CVAA)	1	13411	13295
7470	SW846 Dig. Leachates (Hg)	1	13295	
8270C	Semivolatile Organics	1	13522	12842
BNA TIC	Semivolatile TIC	1	13614	12842
1311	TCLP Extraction	1	13510	
8260B	Volatile Organics	1	12752	12751
VOA TIC	Volatile TIC	1	13422	12751
				DATE/TIME ANALYZED
				12/16/2002 0000
				12/17/2002 0000
				01/06/2003 1111
				01/03/2003 0000
				12/19/2002 2250
				12/19/2002 2250
				01/03/2003 0000
				12/16/2002 1526
				12/16/2002 1526
				DILUTION
				4.00000
				4.00000
				2.00000
				2.00000

Lab ID: 202710-7	Client ID: TB121102	Date Recvd: 12/12/2002	Sample Date: 12/11/2002	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)
5030A	5030 5 mL Purge Prep	1	12686	
				DATE/TIME ANALYZED
				DILUTION

LABORATORY CHRONICLE

Job Number: 202710

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Lab ID: 202710-7		Client ID: TB121102	Date Recvd: 12/12/2002		Sample Date: 12/11/2002			
METHOD	DESCRIPTION		RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION	
8260B	Volatile Organics (5mL Purge)		1	12716	12686	12/12/2002 1803	1.00000	
VOA TIC	Volatile TIC		1	13422	12686	12/12/2002 1803	1.00000	
Lab ID: 202710-8		Client ID: 09-23-11	Date Recvd: 12/13/2002		Sample Date: 12/12/2002			
METHOD	DESCRIPTION		RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED	DILUTION	
ASTM D-2216			1	12745		12/16/2002 0000		
5030A	5030 Purge & Trap (Med. Level) 10ml		1	12815				
5030A	5030CP TCLP/SPLP Prep		1	12996				
7470/7471	74706 Digestion (Hg)		1	12673		12/16/2002 0000		
3010A	Acid Dig. Leachates (ICAP)		1	12952		12/23/2002 0000		
3050B	Acid Digestion: Solids (ICAP)		1	12920		12/20/2002 0000		
9012	Cyanide (Colorimetric)		1	12965	12984	12/19/2002 1948	1.0	
CN Prep Method	Cyanide sample Preparation		1	12984		12/19/2002 0000		
3510C	Extraction Sep. Funnel (SVOC)		1	12968		12/19/2002 0000		
3541	Extraction Soxhlet (SVOC)		1	12842		12/17/2002 0000		
3550B	Extraction Ultrasonic (PCBs)		1	12831		12/18/2002 0000		
3500-CrD	Hexavalent Chromium		1	12941		12/17/2002 1726		
7470A	Leachable, Mercury (CVAA)		1	13021	12958	12/23/2002 1453	1.0000	
7471A	Mercury (CVAA) Solids		1	12690	12673	12/16/2002 1432	10.000	
6010B	Metals Analysis (ICAP Trace)		1	13015	12920	12/23/2002 1508	5	
6010B	Metals Analysis (ICAP Trace)		1	13014	12952	12/23/2002 1722		
8082	PCB Analysis		1	13269	12831	12/20/2002 2212	1.00000	
8082	PCB Analysis, Confirmation		1	13271	12831	12/20/2002 2212	1.00000	
7470	SW846 Dig. Leachates (Hg)		1	12958		12/23/2002 0000		
8270C	Semivolatile Organics		1	13522	12968 -13026	12/23/2002 2239	1.00000	
8270C	Semivolatile Organics		1	13522	12842	12/23/2002 2303	8.00000	
BNA TIC	Semivolatile TIC		1	13614	12842	12/23/2002 2303	8.00000	
1311	TCLP Extraction		1	13026		12/20/2002 0000		
1311	TCLP Zero Headspace Extraction		1	13262		12/19/2002 0000		
8260B	Volatile Organics		1	12817	12815	12/17/2002 1811	1.00000	
8260B	Volatile Organics (5mL Purge)		1	12999	12996	12/20/2002 1411	1.00000	
VOA TIC	Volatile TIC		1	13422	12815	12/17/2002 1811	1.00000	

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/15/2003

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/15/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut Certification Summary (as of May 2002)

State	Responsible Agency	Certification	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	M-CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	CT410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Wisconsin	Department of Natural Resources	Wastewater	998355710

ANALYTICAL REPORT

JOB NUMBER: 202747

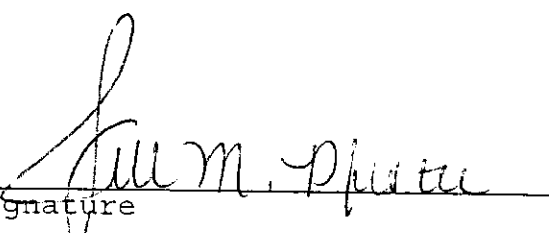
Prepared For:

ROUX ASSOCIATES
1377 Motor Parkway
Islandia, NY 11749

Project: BASF

Attention: Mike Roux

Date: 01/16/2003


Signature

Name: Jill M. Pfister

Title: Project Manager

E-Mail: jpfister@stl-inc.com

1/16/03
Date

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (50) Pages

STL Report : 202747
ROUX ASSOICATES – BASF

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Organic Extraction - Samples were extracted according to methods 3550B/3510C. Solid samples for 8082 analysis were cleaned-up using procedures outlined in method 3665A (acid clean-up). No problems were encountered.

Polychlorinated Biphenyls (PCB's) - PCB samples were analyzed by GC/ECD using guidance provided in Method 8082. The instrumentation used was a Hewlett-Packard Gas Chromatograph equipped with an Electron Capture Detector (Ni63).

Sample 09-27-18 required sulfur cleanup.

13012-8SBLK was sulfur cleaned up.

The surrogate, Decachlorobiphenyl, was masked by matrix interference on the RTX-35 column in sample 09-29-25.

The recovery of the surrogate, Decachlorobiphenyl, was over QC limits on the DB-1701 column in sample 09-29-25.

The recovery of the surrogate, Tetrachlorometaxylene, was over QC limits on the RTX-35 column in sample 13012-8SBLK.

Manual integrations were performed if required, and any affected peaks were designated with an "M" on the quantitation report. Manual integrations were initialed by the analyst that performed the integration.

Sample Calculation:

Sample ID -09-29-25

Compound – Ar1254, 14.90 peak on RTX-35
 $(6391336\text{area})(10000\text{ul}) = 116\text{ug/kg}$
 $(22068770\text{area/ng})(30.7\text{g})(.812)(1\text{ul})$

Metals – ICAP metals were determined using a JA61E trace ICAP; mercury was determined by cold vapor technique using a Perkin Elmer mercury analyzer; following guidance provided in SW846 according to methods: ICAP – 3010A, 3050B/6010B; mercury-7470A, 7471A.

TCLP samples were prepared following guidance provided in SW846 according to method 1311.

Selenium failed the controls for TCLP QC sample 202710-1 resulting in one “N” flag.

Three “*” flags resulted from duplicate analysis of soil sample 202781-3 for barium, potassium, and sodium.

Antimony, lead and manganese failed the controls for spike recovery analysis of soil sample 202781-3 resulting in three “N” flags.

No other problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 1311/5030B/8260B. The instrumentation used was a Tekmar Model 2000/2016 Concentrator/Archon 51 autosampler interfaced with a Hewlett Packard Model 5970A/5972A GC/MS/DS.

The spike compound percent recoveries were within the laboratory generated guidelines in the independent source quality control samples (020PPB_LCS) except for bromomethane.

Samples 09-27-18 and 09-29-25 were analyzed twice due to results exhibiting suppression of internal standard areas. Both analyses were reported since matrix interference was proven.

Sample Calculation:

Sample ID-09-30-16
Compound-Methylene Chloride

$$\frac{(6876)(125)(1)}{(1317344)(.268)(5)} = .486 = .5 \text{ UG/L.}$$

Semi-Volatile Organics - Semi-volatile organic samples were extracted and analyzed by capillary GC/MS according to NYSDEC Protocols using guidance provided in Method 8270C. The instrumentation used was a Hewlett-Packard Gas Chromatograph interfaced with a Mass Selective Detector.

A 2ul injection was used for all samples and standards. The instrument was calibrated at 10ng/ul (20 ng), 25 ng/ul(50 ng), 40ng/ul(80ng), 60ng/ul(120ng) and 80ng/ul(160ng). Internal standards were added to all samples and standards were at 20ng/ul(40ng).

All samples were extracted, concentrated and analyzed without any apparent problems.

The target compounds 3-methylphenol and 4-methylphenol cannot be chromatographically separated. The isomers are reported as a total concentration of 4-methylphenol.

Sample Calculation:

Sample ID - 13101-4LCS

Compound - pyridine

$$\frac{(153187)(40)(1000)}{(202337)(0.753)(2)(500)} = 40 \text{ ug/L}$$

Classical Chemistry - Listed below are the wet chemistry analyte methods and references for the samples analyzed in this SDG. No analytical problems were encountered.

Analyte	Method	Reference
Cyanide-Total	9012	1
Hexavalent Chromium	3500-CrD	2

References:

1. Test Methods for the Evaluation of Solid Waste, SW846, 3rd ed., 1986.
2. Standard Methods for the Examination of Water and Wastewater, 18th edition, 1992.

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 the case narrative.

SAMPLE INFORMATION

Date: 01/15/2003

Job Number.: 202747
Customer....: ROUX ASSOCIATES
Attn.....: Mike Roux

Project Number.....: 20000271
Customer Project ID....: BASF
Project Description.....: BASF

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
202747-1	09-30-16	Groundwater	12/17/2002	17:00	12/18/2002	10:30
202747-2	TRIP BLANK	Groundwater	12/17/2002	00:00	12/18/2002	10:30
202747-3	09-27-18	Soil	12/17/2002	11:50	12/18/2002	10:30
202747-4	09-29-25	Soil	12/17/2002	16:20	12/18/2002	10:30

Job Number: 202747

LABORATORY TEST RESULTS

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-30-16
Date Sampled.....: 12/17/2002
Time Sampled.....: 17:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202747-1
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatiles Organics (5mL Purge)	ND	U		0.9	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Chloromethane	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Vinyl chloride	ND	U		2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Bromomethane	ND	U		4	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Chloroethane	ND	U		0.6	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,1-Dichloroethene	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Carbon disulfide	ND	U		0.9	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Acetone	ND	U		0.2	10	1.00000	ug/L	12896		12/19/02 0447	pam
	Methylene chloride	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	trans-1,2-Dichloroethene	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,1-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Vinyl acetate	ND	U		0.7	5	1.00000	ug/L	12896		12/19/02 0447	pam
	cis-1,2-Dichloroethene	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	2-Butanone (MEK)	ND	U		0.4	10	1.00000	ug/L	12896		12/19/02 0447	pam
	Chloroform	ND	U		0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,1,1-Trichloroethane	ND	U		0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Carbon tetrachloride	ND	U		0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Benzene	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,2-Dichloroethane	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Trichloroethene	ND	U		0.8	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,2-Dichloropropane	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Bromodichloromethane	ND	U		0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	cis-1,3-Dichloropropene	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.4	10	1.00000	ug/L	12896		12/19/02 0447	pam
	Toluene	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	trans-1,3-Dichloropropene	ND	U		0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,1,2-Trichloroethane	ND	U		0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Tetrachloroethene	ND	U		0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	2-Hexanone	ND	U		0.8	10	1.00000	ug/L	12896		12/19/02 0447	pam

* In Description = Dry Wgt.

Job Number: 202747

LABORATORY TEST RESULTS

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-30-16
Date Sampled.....: 12/17/2002
Time Sampled.....: 17:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202747-1
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Styrene	ND	U	0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Bromoform	ND	U	0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam
	Xylenes (total)	ND	U	0.5	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,3-Dichlorobenzene	ND	U	0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,4-Dichlorobenzene	ND	U	0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,2-Dichlorobenzene	ND	U	0.2	5	1.00000	ug/L	12896		12/19/02 0447	pam
	1,2,4-Trichlorobenzene	ND	U	0.3	5	1.00000	ug/L	12896		12/19/02 0447	pam

* In Description = Dry Wgt.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

09-30-16

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202747 SAS No.:

SDG No.: 202747

Matrix: (soil/water) WATER

Lab Sample ID: 202747-1

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: M1786

Level: (low/med) LOW

Date Received: 12/18/02

% Moisture: not dec. _____

Date Analyzed: 12/19/02

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Job Number: 202747

LABORATORY TEST RESULTS

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: TRIP BLANK
Date Sampled.....: 12/17/2002
Time Sampled.....: 00:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202747-2
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)	ND	U	0.9	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Chloromethane	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Vinyl chloride	ND	U	2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Bromomethane	ND	U	4	5	1.00000	ug/L	12896		12/18/02 2245	pam
	1,1-Dichloroethene	ND	U	0.6	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Carbon disulfide	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Acetone	ND	U	0.9	10	1.00000	ug/L	12896		12/18/02 2245	pam
	Methylene chloride	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	trans-1,2-Dichloroethene	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	1,1-Dichloroethane	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Vinyl acetate	ND	U	0.7	5	1.00000	ug/L	12896		12/18/02 2245	pam
	cis-1,2-Dichloroethene	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	2-Butanone (MEK)	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Chloroform	ND	U	0.4	10	1.00000	ug/L	12896		12/18/02 2245	pam
	1,1-Trichloroethane	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Carbon tetrachloride	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Benzene	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	1,2-Dichloroethane	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Trichloroethene	ND	U	0.8	5	1.00000	ug/L	12896		12/18/02 2245	pam
	1,2-Dichloropropane	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Bromodichloromethane	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	cis-1,3-Dichloropropene	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	4-Methyl-2-pentanone (MIBK)	ND	U	0.4	10	1.00000	ug/L	12896		12/18/02 2245	pam
	Toluene	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	trans-1,3-Dichloropropene	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	1,1,2-Trichloroethane	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Tetrachloroethene	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	2-Hexanone	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
		ND	U	0.8	10	1.00000	ug/L	12896		12/18/02 2245	pam

* In Description = Dry Wgt.

Job Number: 202747

LABORATORY TEST RESULTS

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: TRIP BLANK
Date Sampled.....: 12/17/2002
Time Sampled.....: 00:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202747-2
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Chlorobenzene	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Ethylbenzene	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Styrene	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Bromoform	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	1,1,2,2-Tetrachloroethane	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam
	Xylenes (total)	ND	U	0.5	5	1.00000	ug/L	12896		12/18/02 2245	pam
	1,3-Dichlorobenzene	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	1,4-Dichlorobenzene	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	1,2-Dichlorobenzene	ND	U	0.2	5	1.00000	ug/L	12896		12/18/02 2245	pam
	1,2,4-Trichlorobenzene	ND	U	0.3	5	1.00000	ug/L	12896		12/18/02 2245	pam

* In Description = Dry Wgt.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: STL/CT

Contract:

TRIP BLANK

Lab Code: STLCT

Case No.: 202747 SAS No.:

SDG No.: 202747

Matrix: (soil/water) WATER

Lab Sample ID: 202747-2

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: M1775

Level: (low/med) LOW

Date Received: 12/18/02

% Moisture: not dec. _____

Date Analyzed: 12/18/02

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

LABORATORY TEST RESULTS											
Job Number: 202747						Date:01/15/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
ATTN: Mike Roux											
Laboratory Sample ID: 202747-3											
Date Sampled.....: 12/17/2002											
Time Sampled.....: 11:50											
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	78.2		0.10	0.10	1	%	12937		12/20/02 0000	jdW
	% Moisture, Solid	21.8		0.10	0.10	1	%	12937		12/20/02 0000	jdW
82608	Volatile Organics	ND	U	1	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Chloromethane, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Vinyl chloride, Solid*	ND	U	3	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Bromomethane, Solid*	ND	U	0.9	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Chloroethane, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,1-Dichloroethene, Solid*	ND	U	0.3	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Carbon disulfide, Solid*	ND	U	7	13	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Acetone, Solid*	ND	U	2	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Methylene chloride, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,1-Dichloroethane, Solid*	ND	U	4	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Vinyl acetate, Solid*	ND	U	4	13	1.00000	ug/Kg	12980		12/19/02 0055	pam
	2-Butanone (MEK), Solid*	10	J	0.8	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Chloroform, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,1,1-Trichloroethane, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Carbon tetrachloride, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,2-Dichloroethene (total), Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Benzene, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,2-Dichloroethane, Solid*	5	J	0.5	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Trichloroethene, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,2-Dichloropropane, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Bromodichloromethane, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	cis-1,3-Dichloropropene, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U	4	13	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Toluene, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	trans-1,3-Dichloropropene, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0055	pam

* In Description = Dry Wgt.

Job Number: 202747

LABORATORY TEST RESULTS

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-27-18
Date Sampled.....: 12/17/2002
Time Sampled.....: 11:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202747-3
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	1,1,2-Trichloroethane, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Tetrachloroethene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	2-Hexanone, Solid*	ND	U		4	13	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Dibromochloromethane, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Chlorobenzene, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Ethylbenzene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Styrene, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Bromoforn, Solid*	ND	U		0.8	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Xylenes (total), Solid*	ND	U		1	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,3-Dichlorobenzene, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,4-Dichlorobenzene, Solid*	ND	U		0.8	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,2-Dichlorobenzene, Solid*	0.9	J		0.8	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	1,2,4-Trichlorobenzene, Solid*	ND	U		0.9	6	1.00000	ug/Kg	12980		12/19/02 0055	pam
	Volatle Organics (5mL Purge)											
	Vinyl chloride, TCLP	ND	U		0.0003	0.005	1.00000	mg/L	12908		12/19/02 1838	pam
	1,1-Dichloroethene, TCLP	ND	U		0.0006	0.005	1.00000	mg/L	12908		12/19/02 1838	pam
	2-Butanone (MEK), TCLP	ND	U		0.0004	0.010	1.00000	mg/L	12908		12/19/02 1838	pam
	Chloroform, TCLP	ND	U		0.0002	0.005	1.00000	mg/L	12908		12/19/02 1838	pam
	Carbon tetrachloride, TCLP	ND	U		0.0002	0.005	1.00000	mg/L	12908		12/19/02 1838	pam
	Benzene, TCLP	0.0007	J		0.0003	0.005	1.00000	mg/L	12908		12/19/02 1838	pam
	1,2-Dichloroethane, TCLP	ND	U		0.0003	0.005	1.00000	mg/L	12908		12/19/02 1838	pam
	Trichloroethene, TCLP	ND	U		0.0008	0.005	1.00000	mg/L	12908		12/19/02 1838	pam
	Tetrachloroethene, TCLP	ND	U		0.0003	0.005	1.00000	mg/L	12908		12/19/02 1838	pam
	Chlorobenzene, TCLP	0.0009	J	B	0.0002	0.005	1.00000	mg/L	12908		12/19/02 1838	pam

* In Description = Dry Wgt.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

09-27-18

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202747 SAS No.:

SDG No.: 202747

Matrix: (soil/water) SOIL

Lab Sample ID: 202747-3

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: L5827

Level: (low/med) LOW

Date Received: 12/18/02

% Moisture: not dec. 22

Date Analyzed: 12/19/02

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (mL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	18.37	19	J
2.	UNKNOWN	18.95	7	J
3.	UNKNOWN SILOXANE	20.24	10	J
4.	UNKNOWN	23.61	7	J
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Job Number: 202747

LABORATORY TEST RESULTS

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-27-18
Date Sampled.....: 12/17/2002
Time Sampled.....: 11:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202747-3
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatiles Organics	ND	U		1	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Chloromethane, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Vinyl chloride, Solid*	ND	U		3	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Bromomethane, Solid*	ND	U		0.9	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Chloroethane, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,1-Dichloroethane, Solid*	ND	U		0.3	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Carbon disulfide, Solid*	ND	U		7	13	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Acetone, Solid*	ND	U		2	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Methylene chloride, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,1-Dichloroethane, Solid*	ND	U		4	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Vinyl acetate, Solid*	ND	U		4	13	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	2-Butanone (MEK), Solid*	ND	U		0.8	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Chloroform, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,1,1-Trichloroethane, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Carbon tetrachloride, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,2-Dichloroethane (total), Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Benzene, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,2-Dichloroethane, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Trichloroethene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,2-Dichloropropane, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Bromodichloromethane, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	cis-1,3-Dichloropropene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		4	13	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Toluene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	trans-1,3-Dichloropropene, Solid*	ND	J		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,1,2-Trichloroethane, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Tetrachloroethene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	2-Hexanone, Solid*	ND	U		4	13	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Dibromochloromethane, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam

* In Description = Dry Wgt.

Job Number: 202747

LABORATORY TEST RESULTS

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: MIKE ROUX

Customer Sample ID: 09-27-18
Date Sampled.....: 12/17/2002
Time Sampled.....: 11:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202747-3
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chlorobenzene, Solid*	ND	J		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Ethylbenzene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Styrene, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Bromoform, Solid*	ND	U		0.8	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	Xylenes (total), Solid*	ND	U		1	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,3-Dichlorobenzene, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,4-Dichlorobenzene, Solid*	ND	U		0.8	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,2-Dichlorobenzene, Solid*	3	J		0.8	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam
	1,2,4-Trichlorobenzene, Solid*	2	J	H	0.9	6	1.00000	ug/Kg	12983	RE	12/19/02 1815	pam

* In Description = Dry Wgt.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

09-27-18RE

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202747 SAS No.:

SDG No.: 202747

Matrix: (soil/water) SOIL

Lab Sample ID: 202747-3RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: L5843

Level: (low/med) LOW

Date Received: 12/18/02

% Moisture: not dec. 22

Date Analyzed: 12/19/02

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	16.28	3	J
2.	UNKNOWN SILOXANE	18.41	36	J
3. 91-20-3	NAPHTHALENE	20.20	25	NJ
4.	UNKNOWN	23.46	22	J
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Job Number: 202747

LABORATORY TEST RESULTS

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-29-25
Date Sampled.....: 12/17/2002
Time Sampled.....: 16:20
Sample Matrix.....: Soil

Laboratory Sample ID: 202747-4
Data Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	81.2		0.10	0.10	1	%	12937		12/20/02 0000	jdW
	% Moisture, Solid	18.8		0.10	0.10	1	%	12937		12/20/02 0000	jdW
82608	Volatiles Organics	ND	U	1	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Chloromethane, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Vinyl chloride, Solid*	ND	U	3	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Bromomethane, Solid*	ND	U	0.9	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Chloroethane, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,1-Dichloroethene, Solid*	ND	U	0.2	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Carbon disulfide, Solid*	64	U	6	12	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Acetone, Solid*	ND	U	1	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Methylene chloride, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,1-Dichloroethane, Solid*	ND	U	4	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Vinyl acetate, Solid*	12	U	4	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	2-Butanone (MEK), Solid*		J	4	12	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Chloroform, Solid*	ND	U	0.7	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,1,1-Trichloroethane, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Carbon tetrachloride, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,2-Dichloroethene (total), Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Benzene, Solid*	7	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,2-Dichloroethane, Solid*		U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Trichloroethene, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,2-Dichloropropane, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Bromodichloromethane, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	cis-1,3-Dichloropropene, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	4-Methyl-2-pentanone (MIBK), Solid*	1	U	3	12	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Toluene, Solid*	ND	J	0.5	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	trans-1,3-Dichloropropene, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0130	pam

* In Description = Dry Wgt.

Job Number: 202747

LABORATORY TEST RESULTS

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-29-25
Date Sampled.....: 12/17/2002
Time Sampled.....: 16:20
Sample Matrix.....: Soil

Laboratory Sample ID: 202747-4
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	1,1,2-Trichloroethane, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Tetrachloroethene, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	2-Hexanone, Solid*	ND	U	4	12	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Dibromochloromethane, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Chlorobenzene, Solid*	2	J	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Ethylbenzene, Solid*	ND	U	0.5	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Styrene, Solid*	ND	U	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Bromoform, Solid*	ND	U	0.7	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,1,2,2-Tetrachloroethane, Solid*	ND	U	1	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Xylenes (total), Solid*	ND	U	1	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,3-Dichlorobenzene, Solid*	2	J	0.6	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,4-Dichlorobenzene, Solid*	ND	U	0.7	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,2-Dichlorobenzene, Solid*	0.9	J	0.7	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	1,2,4-Trichlorobenzene, Solid*	ND	U	0.9	6	1.00000	ug/Kg	12980		12/19/02 0130	pam
	Volatile Organics (5mL Purge)										
	Vinyl chloride, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12908		12/19/02 1910	pam
	1,1-Dichloroethene, TCLP	ND	U	0.0006	0.005	1.00000	mg/L	12908		12/19/02 1910	pam
	2-Butanone (MEK), TCLP	ND	U	0.0004	0.010	1.00000	mg/L	12908		12/19/02 1910	pam
	Chloroform, TCLP	ND	U	0.0002	0.005	1.00000	mg/L	12908		12/19/02 1910	pam
	Carbon tetrachloride, TCLP	ND	U	0.0002	0.005	1.00000	mg/L	12908		12/19/02 1910	pam
	Benzene, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12908		12/19/02 1910	pam
	1,2-Dichloroethane, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12908		12/19/02 1910	pam
	Trichloroethene, TCLP	ND	U	0.0008	0.005	1.00000	mg/L	12908		12/19/02 1910	pam
	Tetrachloroethene, TCLP	ND	U	0.0003	0.005	1.00000	mg/L	12908		12/19/02 1910	pam
	Chlorobenzene, TCLP	0.002	J	0.0002	0.005	1.00000	mg/L	12908		12/19/02 1910	pam

* In Description = Dry Wgt.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

09-29-25

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202747

SAS No.:

SDG No.: 202747

Matrix: (soil/water) SOIL

Lab Sample ID: 202747-4

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: L5828

Level: (low/med) LOW

Date Received: 12/18/02

% Moisture: not dec. 19

Date Analyzed: 12/19/02

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-07-0	ACETALDEHYDE	4.33	9	NJ
2.	UNKNOWN SILOXANE	18.37	11	J
3.	UNKNOWN	18.71	4	J
4.	UNKNOWN	18.97	15	J
5. 91-20-3	NAPHTHALENE	20.22	11	NJ
6.	UNKNOWN	22.24	11	J
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Job Number: 202747

Date:01/15/2003

LABORATORY TEST RESULTS

ATTN: Mike Roux

Customer Sample ID: 09-29-25

Date Sampled.....: 12/17/2002

Time Sampled.....: 16:20

Sample Matrix.....: Soil

Laboratory Sample ID: 202747-4

Date Received.....: 12/18/2002

Time Received.....: 10:30

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
82608	Volatile Organics	ND	U		1	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Chloromethane, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Vinyl chloride, Solid*	ND	U		3	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Bromomethane, Solid*	ND	U		0.9	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Chloroethane, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,1-Dichloroethene, Solid*	ND	U		0.2	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Carbon disulfide, Solid*	43	U		6	12	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Acetone, Solid*	ND	U		1	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Methylene chloride, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,1-Dichloroethane, Solid*	ND	U		4	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Vinyl acetate, Solid*	ND	U		4	12	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	2-Butanone (MEK), Solid*	10	U		0.7	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Chloroform, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,1,1-Trichloroethane, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Carbon tetrachloride, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,2-Dichloroethene (total), Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Benzene, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,2-Dichloroethane, Solid*	6	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Trichloroethene, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,2-Dichloropropane, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Bromodichloromethane, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	cis-1,3-Dichloropropene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	4-Methyl-2-pentanone (MIBK), Solid*	0.7	U		3	12	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Toluene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	trans-1,3-Dichloropropene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,1,2-Trichloroethane, Solid*	ND	U		0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Tetrachloroethene, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	2-Hexanone, Solid*	ND	U		4	12	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Dibromochloromethane, Solid*	ND	U		0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam

* In Description = Dry Wgt.

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chlorobenzene, Solid*	3	J	0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Ethylbenzene, Solid*		U	0.5	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Styrene, Solid*		U	0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Bromoform, Solid*	1	U	0.7	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,1,2,2-Tetrachloroethane, Solid*		U	1	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	Xylenes (total), Solid*		U	1	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,3-Dichlorobenzene, Solid*	1	U	0.6	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,4-Dichlorobenzene, Solid*		U	0.7	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,2-Dichlorobenzene, Solid*		J	0.7	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam
	1,2,4-Trichlorobenzene, Solid*	ND	U	0.9	6	1.00000	ug/Kg	12983	RE	12/19/02 1851	pam

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

09-29-25RE

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202747 SAS No.:

SDG No.: 202747

Matrix: (soil/water) SOIL

Lab Sample ID: 202747-4RE

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: L5844

Level: (low/med) LOW

Date Received: 12/18/02

% Moisture: not dec. 19

Date Analyzed: 12/19/02

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 75-07-0	ACETALDEHYDE	4.22	3	NJ
2. 556-67-2	CYCLOTETRASILOXANE, OCTAMETH	16.51	5	NJ
3.	UNKNOWN SILOXANE	18.44	55	J
4.	UNKNOWN	19.02	6	J
5.	UNKNOWN	19.89	4	J
6.	UNKNOWN SILOXANE	20.23	9	J
7.	UNKNOWN ALKANE	20.63	5	J
8.	UNKNOWN	20.86	8	J
9.	UNKNOWN ALKANE	23.42	36	J
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

LABORATORY TEST RESULTS												
Job Number: 202747				Date:01/15/2003								
CUSTOMER: ROUX ASSOCIATES				ATTN: Mike Roux								
PROJECT: BASF				Laboratory Sample ID: 202747-1 Date Received.....: 12/18/2002 Time Received.....: 10:30								
Customer Sample ID: 09-30-16 Date Sampled.....: 12/17/2002 Time Sampled.....: 17:00 Sample Matrix.....: Groundwater												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C 0000023	Semivolatle Organics	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Phenol	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Bis(2-chloroethyl)ether	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	n-Nitroso-di-n-propylamine	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Hexachloroethane	ND	U		0.3	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Nitrobenzene	ND	U		0.2	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Bis(2-chloroethoxy)methane	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Isophorone	ND	U		0.5	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Hexachlorobutadiene	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Naphthalene	ND	U		0.3	50	1.00000	ug/L	13524		01/03/03 2056	pam
	2,4,5-Trichlorophenol	ND	U		0.6	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Hexachlorocyclopentadiene	ND	U		0.3	10	1.00000	ug/L	13524		01/03/03 2056	pam
	2-Methylnaphthalene	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	2-Nitroaniline	ND	U		0.4	50	1.00000	ug/L	13524		01/03/03 2056	pam
	2-Chloronaphthalene	ND	U		0.5	10	1.00000	ug/L	13524		01/03/03 2056	pam
	2,6-Dinitrotoluene	ND	U		0.3	10	1.00000	ug/L	13524		01/03/03 2056	pam
	3-Nitroaniline	ND	U		0.4	50	1.00000	ug/L	13524		01/03/03 2056	pam
	Dimethyl phthalate	ND	U		0.3	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Acenaphthylene	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	2,4-Dinitrotoluene	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Acenaphthene	ND	U		0.3	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Dibenzofuran	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	4-Nitrophenol	ND	U		0.4	50	1.00000	ug/L	13524		01/03/03 2056	pam
	Fluorene	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	4-Nitroaniline	ND	U		0.6	20	1.00000	ug/L	13524		01/03/03 2056	pam
	4-Bromophenyl phenyl ether	ND	U		0.3	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Hexachlorobenzene	ND	U		0.5	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Diethyl phthalate	ND	U		0.3	10	1.00000	ug/L	13524		01/03/03 2056	pam
	4-Chlorophenyl phenyl ether	ND	U		0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202747

Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: MIKE ROUX

Customer Sample ID: 09-30-16
Date Sampled.....: 12/17/2002
Time Sampled.....: 17:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202747-1
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Pentachlorophenol	ND	U	3	50	1.00000	ug/L	13524		01/03/03 2056	pam
	n-Nitrosodiphenylamine	ND	U	0.5	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Phenanthrene	ND	U	0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Anthracene	ND	U	0.5	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Di-n-butyl phthalate	ND	U	0.5	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Fluoranthene	ND	U	0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Pyrene	ND	U	0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Butyl benzyl phthalate	ND	U	0.3	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Benzo(a)anthracene	ND	U	0.5	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Chrysene	ND	U	0.6	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Bis(2-ethylhexyl)phthalate	0.7	J	0.5	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Di-n-octyl phthalate	ND	U	0.5	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Benzo(b)fluoranthene	ND	U	1	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Benzo(k)fluoranthene	ND	U	0.3	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Benzo(a)pyrene	ND	U	0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Indeno(1,2,3-cd)pyrene	ND	U	0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Dibenzo(a,h)anthracene	ND	U	0.5	10	1.00000	ug/L	13524		01/03/03 2056	pam
	Benzo(ghi)perylene	ND	U	0.4	10	1.00000	ug/L	13524		01/03/03 2056	pam

* In Description = Dry Wgt.

Page 3

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

09-30-16

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202747

SAS No.:

SDG No.: 202747

Matrix: (soil/water) WATER

Lab Sample ID: 202747-1

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: Q7150

Level: (low/med) LOW

Date Received: 12/18/02

% Moisture: _____ decanted: (Y/N) _____

Date Extracted: 12/23/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/03/03

Injection Volume: _____ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

0000025

CUSTOMER: ROUX ASSOCIATES PROJECT: BASF ATTN: Mike Roux

Customer Sample ID: 09-27-18 Laboratory Sample ID: 202747-3
 Date Sampled.....: 12/17/2002 Date Received.....: 12/18/2002
 Time Sampled.....: 11:50 Time Received.....: 10:30
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216 8270C	% Solids, Solid	78.2			0.10	0.10	1	%	12937		12/20/02 0000	jdW
	% Moisture, Solid	21.8			0.10	0.10	1	%	12937		12/20/02 0000	jdW
	Semivolatile Organics		U									
	Phenol, Solid*	ND			31	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Bis(2-chloroethyl)ether, Solid*	ND			130	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	n-Nitroso-di-n-propylamine, Solid*	ND			18	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Hexachloroethane, Solid*	ND			27	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Nitrobenzene, Solid*	ND			32	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Bis(2-chloroethoxy)methane, Solid*	ND			18	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Isophorone, Solid*	ND			29	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Hexachlorobutadiene, Solid*	ND			42	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Naphthalene, Solid*	ND			41	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	2,4,5-Trichlorophenol, Solid*	60	J		13	2000	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Hexachlorocyclopentadiene, Solid*	ND			57	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	2-Methylnaphthalene, Solid*	ND			36	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	2-Nitroaniline, Solid*	ND			28	2000	1.00000	ug/Kg	13524		12/27/02 1529	pam
	2-Chloronaphthalene, Solid*	ND			24	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	2,6-Dinitrotoluene, Solid*	ND			18	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	3-Nitroaniline, Solid*	ND			23	2000	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Dimethyl phthalate, Solid*	ND			19	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Acenaphthylene, Solid*	220	J		14	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	2,4-Dinitrotoluene, Solid*	ND			24	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Acenaphthene, Solid*	86	J		19	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Dibenzofuran, Solid*	110	J		19	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	4-Nitrophenol, Solid*	ND			110	2000	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Fluorene, Solid*	180	J	H	25	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	4-Nitroaniline, Solid*	ND			31	840	1.00000	ug/Kg	13524		12/27/02 1529	pam

* In Description = Dry Wgt.

Job Number: 202747 Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES PROJECT: BASF ATTN: Mike Roux

Customer Sample ID: 09-27-18 Laboratory Sample ID: 202747-3
 Date Sampled.....: 12/17/2002 Date Received.....: 12/18/2002
 Time Sampled.....: 11:50 Time Received.....: 10:30
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Bromophenyl phenyl ether, Solid*	ND	U		17	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Hexachlorobenzene, Solid*	ND	U		24	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Diethyl phthalate, Solid*	ND	U		22	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	4-Chlorophenyl phenyl ether, Solid*	ND	U		20	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Pentachlorophenol, Solid*	ND	U		55	2000	1.00000	ug/Kg	13524		12/27/02 1529	pam
	n-Nitrosodiphenylamine, Solid*	100	J		20	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Phenanthrene, Solid*	1600			31	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Anthracene, Solid*	490			15	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Di-n-butyl phthalate, Solid*	ND	U		18	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Fluoranthene, Solid*	2400			28	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Pyrene, Solid*	2700			24	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Butyl benzyl phthalate, Solid*	ND	U		17	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Benzo(a)anthracene, Solid*	1500			19	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Chrysene, Solid*	1500			22	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Bis(2-ethylhexyl)phthalate, Solid*	80	J	M	46	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Di-n-octyl phthalate, Solid*	ND	U	M	15	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Benzo(b)fluoranthene, Solid*	1300		M	48	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Benzo(k)fluoranthene, Solid*	810		M	50	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Benzo(a)pyrene, Solid*	1100			20	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Indeno(1,2,3-cd)pyrene, Solid*	780			23	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Dibenzo(a,h)anthracene, Solid*	470			23	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Benzo(ghi)perylene, Solid*	780			22	420	1.00000	ug/Kg	13524		12/27/02 1529	pam
	Pyridine, TCLP	ND	U		0.009	0.040	1.00000	mg/L	13524		01/03/03 2003	pam
	1,4-Dichlorobenzene, TCLP	ND	U		0.0004	0.020	1.00000	mg/L	13524		01/03/03 2003	pam
	2-Methylphenol, TCLP	ND	U		0.0006	0.020	1.00000	mg/L	13524		01/03/03 2003	pam
	Hexachloroethane, TCLP	ND	U		0.0008	0.020	1.00000	mg/L	13524		01/03/03 2003	pam
	4-Methylphenol, TCLP	ND	U		0.001	0.020	1.00000	mg/L	13524		01/03/03 2003	pam
	Nitrobenzene, TCLP	ND	U		0.0006	0.020	1.00000	mg/L	13524		01/03/03 2003	pam
	Hexachlorobutadiene, TCLP	ND	U		0.001	0.020	1.00000	mg/L	13524		01/03/03 2003	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 202747						Date:01/15/2003						
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF						
Customer Sample ID: 09-27-18 Date Sampled.....: 12/17/2002 Time Sampled.....: 11:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202747-3 Date Received.....: 12/18/2002 Time Received.....: 10:30						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
00100000	2,4,6-Trichlorophenol, TCLP	ND	U		0.0008	0.020	1.00000	mg/L	13524		01/03/03 2003	pam
	2,4,5-Trichlorophenol, TCLP	ND	U		0.0006	0.10	1.00000	mg/L	13524		01/03/03 2003	pam
	Hexachlorobenzene, TCLP	ND	U		0.001	0.020	1.00000	mg/L	13524		01/03/03 2003	pam
	Pentachlorophenol, TCLP	ND	U		0.005	0.10	1.00000	mg/L	13524		01/03/03 2003	pam

* In Description = Dry Wgt.

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

09-27-18

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202747

SAS No.:

SDG No.: 202747

Matrix: (soil/water) SOIL

Lab Sample ID: 202747-3

Sample wt/vol: 30.1 (g/mL) G

Lab File ID: Q7012

Level: (low/med) LOW

Date Received: 12/18/02

% Moisture: 22 decanted: (Y/N) N

Date Extracted: 12/20/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/27/02

Injection Volume: _____ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: _____

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.23	4500	J
2.	ALDOL CONDENSATION PRODUCT	2.49	79000	JAB
3.	UNKNOWN	3.02	2900	J
4.	UNKNOWN	3.59	1700	J
5.	UNKNOWN	8.56	1300	J
6.	UNKNOWN	8.67	2500	J
7.	UNKNOWN	8.77	2300	J
8.	UNKNOWN	8.80	1400	J
9.	UNKNOWN	8.85	3700	J
10.	UNKNOWN	8.89	2700	J
11.	UNKNOWN	8.94	2000	J
12.	UNKNOWN	9.01	4600	J
13.	UNKNOWN	9.04	3400	J
14.	UNKNOWN	9.09	2800	J
15.	UNKNOWN C16H14 PAH	9.12	2700	J
16.	UNKNOWN	9.15	3800	J
17.	UNKNOWN	12.16	1700	J
18.	UNKNOWN C21H28N2O ISOMER	12.42	2000	J
19.	UNKNOWN	12.60	2100	J
20.	UNKNOWN	12.64	1300	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

0000029

LABORATORY TEST RESULTS													
Job Number: 202747						Date:01/15/2003							
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASE							
Customer Sample ID: 09-29-25 Date Sampled.....: 12/17/2002 Time Sampled.....: 16:20 Sample Matrix.....: Soil						Laboratory Sample ID: 202747-4 Date Received.....: 12/18/2002 Time Received.....: 10:30 ATTN: Mike Roux							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
ASTM D-2216	% Solids, Solid	81.2			0.10	0.10	1	%	12937		12/20/02 0000	jdW	
	% Moisture, Solid	18.8			0.10	0.10	1	%	12937		12/20/02 0000	jdW	
8270C	Semivolatile Organics												
	Phenol, Solid*	ND	U		29	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Bis(2-chloroethyl)ether, Solid*	ND	U		130	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	n-Nitroso-di-n-propylamine, Solid*	ND	U		17	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Hexachloroethane, Solid*	ND	U		26	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Nitrobenzene, Solid*	ND	U		30	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Bis(2-chloroethoxy)methane, Solid*	ND	U		17	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Isophorone, Solid*	ND	U		28	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Hexachlorobutadiene, Solid*	ND	U		40	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Naphthalene, Solid*	ND	U		39	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	2,4,5-Trichlorophenol, Solid*	ND	U		12	2000	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Hexachlorocyclopentadiene, Solid*	ND	U		55	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	2-Methylnaphthalene, Solid*	ND	U		34	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	2-Nitroaniline, Solid*	ND	U		27	2000	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	2-Chloronaphthalene, Solid*	ND	U		23	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	2,6-Dinitrotoluene, Solid*	ND	U		17	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	3-Nitroaniline, Solid*	ND	U		22	2000	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Dimethyl phthalate, Solid*	ND	U		18	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Acenaphthylene, Solid*	ND	U		13	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	2,4-Dinitrotoluene, Solid*	ND	U		23	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Acenaphthene, Solid*	ND	U		18	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Dibenzofuran, Solid*	ND	U		18	400	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	4-Nitrophenol, Solid*	ND	U		100	2000	1.00000	ug/Kg	13524		12/27/02 1553	pam	
	Fluorene, Solid*		25	J		24	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	4-Nitroaniline, Solid*		50	J	H	29	800	1.00000	ug/Kg	13524		12/27/02 1553	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 202747						Date:01/15/2003						
CUSTOMER: ROUX ASSOCIATES						ATTN: Mike Roux						
Customer Sample ID: 09-29-25 Date Sampled.....: 12/17/2002 Time Sampled.....: 16:20 Sample Matrix.....: Soil						Laboratory Sample ID: 202747-4 Date Received.....: 12/18/2002 Time Received.....: 10:30						
PROJECT: BASF												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Bromophenyl phenyl ether, Solid*	ND	U		16	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Hexachlorobenzene, Solid*	ND	U		23	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Diethyl phthalate, Solid*	ND	U		21	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	4-Chlorophenyl phenyl ether, Solid*	ND	U		20	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Pentachlorophenol, Solid*	ND	U		52	2000	1.00000	ug/Kg	13524		12/27/02 1553	pam
	n-Nitrosodiphenylamine, Solid*	260	U		20	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Phenanthrene, Solid*	180	J		29	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Anthracene, Solid*	51	J		15	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Di-n-butyl phthalate, Solid*	ND	U		17	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Fluoranthene, Solid*	250	J		27	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Pyrene, Solid*	260	J		23	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Butyl benzyl phthalate, Solid*	ND	U		16	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Benzo(a)anthracene, Solid*	140	J		18	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Chrysene, Solid*	150	J		21	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Bis(2-ethylhexyl)phthalate, Solid*	75	J	M	44	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Di-n-octyl phthalate, Solid*	ND	U		15	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Benzo(b)fluoranthene, Solid*	140	J	M	46	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Benzo(k)fluoranthene, Solid*	87	J	M	48	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Benzo(a)pyrene, Solid*	120	J		20	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Indeno(1,2,3-cd)pyrene, Solid*	81	J		22	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Dibenzo(a,h)anthracene, Solid*	ND	U		22	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Benzo(ghi)perylene, Solid*	98	J		21	400	1.00000	ug/Kg	13524		12/27/02 1553	pam
	Pyridine, TCLP	ND	U		0.009	0.040	1.00000	mg/L	13524		01/03/03 2030	pam
	1,4-Dichlorobenzene, TCLP	ND	U		0.0004	0.020	1.00000	mg/L	13524		01/03/03 2030	pam
	2-Methylphenol, TCLP	ND	U		0.0006	0.020	1.00000	mg/L	13524		01/03/03 2030	pam
	Hexachloroethane, TCLP	ND	U		0.0008	0.020	1.00000	mg/L	13524		01/03/03 2030	pam
	4-Methylphenol, TCLP	ND	U		0.001	0.020	1.00000	mg/L	13524		01/03/03 2030	pam
	Nitrobenzene, TCLP	ND	U		0.0006	0.020	1.00000	mg/L	13524		01/03/03 2030	pam
	Hexachlorobutadiene, TCLP	ND	U		0.001	0.020	1.00000	mg/L	13524		01/03/03 2030	pam

* In Description = Dry Wgt.

Job Number: 202747 LABORATORY TEST RESULTS Date: 01/15/2003

CUSTOMER: ROUX ASSOCIATES PROJECT: BASF ATTN: Mike Roux

Customer Sample ID: 09-29-25 Laboratory Sample ID: 202747-4
 Date Sampled.....: 12/17/2002 Date Received.....: 12/18/2002
 Time Sampled.....: 16:20 Time Received.....: 10:30
 Sample Matrix.....: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
0000000000	2,4,6-Trichlorophenol, TCLP	ND	U		0.0008	0.020	1.00000	mg/L	13524		01/03/03 2030	pam
	2,4,5-Trichlorophenol, TCLP	ND	U		0.0006	0.10	1.00000	mg/L	13524		01/03/03 2030	pam
	Hexachlorobenzene, TCLP	ND	U		0.001	0.020	1.00000	mg/L	13524		01/03/03 2030	pam
	Pentachlorophenol, TCLP	ND	U		0.005	0.10	1.00000	mg/L	13524		01/03/03 2030	pam

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

09-29-25

Lab Name: STL/CT

Contract:

Lab Code: STLCT

Case No.: 202747 SAS No.:

SDG No.: 202747

Matrix: (soil/water) SOIL

Lab Sample ID: 202747-4

Sample wt/vol: 30.3 (g/mL) G

Lab File ID: Q7013

Level: (low/med) LOW

Date Received: 12/18/02

% Moisture: 19 decanted: (Y/N) N

Date Extracted: 12/20/02

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/27/02

Injection Volume: _____ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: ____

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 20

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	1.47	500	J
2.	UNKNOWN	2.25	4700	J
3.	ALDOL CONDENSATION PRODUCT	2.51	80000	JAB
4.	UNKNOWN	3.03	2800	J
5.	UNKNOWN	3.56	610	J
6.	UNKNOWN C13H10O ISOMER	7.33	370	J
7.	UNKNOWN C14H8O2 ISOMER	8.87	1100	J
8.	UNKNOWN C16H13N ISOMER	9.50	2200	J
9.	UNKNOWN C16H12N2O ISOMER	10.61	410	J
10.	UNKNOWN C17H10O ISOMER	10.79	590	J
11.	UNKNOWN	11.15	940	J
12.	UNKNOWN	11.32	450	J
13.	UNKNOWN	11.39	350	J
14.	UNKNOWN	11.67	320	J
15.	UNKNOWN	11.73	640	J
16.	UNKNOWN	12.34	1600	J
17.	UNKNOWN	12.50	950	J
18.	UNKNOWN	12.61	4200	J
19.	UNKNOWN	12.70	470	J
20.	UNKNOWN	12.92	2000	J
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

00000000

LABORATORY TEST RESULTS											
Job Number: 202747						Date: 01/15/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
Customer Sample ID: 09-30-16 Date Sampled.....: 12/17/2002 Time Sampled.....: 17:00 Sample Matrix.....: Groundwater						Laboratory Sample ID: 202747-1 Date Received.....: 12/18/2002 Time Received.....: 10:30					
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8082	PCB Analysis	ND	U	0.045	0.50	1.00000	ug/L	13300		01/03/03 0405	kam
	Aroclor 1016	ND	U	0.092	1.0	1.00000	ug/L	13300		01/03/03 0405	kam
	Aroclor 1221	ND	U	0.16	0.50	1.00000	ug/L	13300		01/03/03 0405	kam
	Aroclor 1232	ND	U	0.076	0.50	1.00000	ug/L	13300		01/03/03 0405	kam
	Aroclor 1242	ND	U	0.075	0.50	1.00000	ug/L	13300		01/03/03 0405	kam
	Aroclor 1248	ND	U	0.074	0.50	1.00000	ug/L	13300		01/03/03 0405	kam
	Aroclor 1254	ND	U	0.037	0.50	1.00000	ug/L	13300		01/03/03 0405	kam
	Aroclor 1260	ND	U								

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 202747						Date: 01/15/2003					
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF					
ATTN: Mike Roux											
Customer Sample ID: 09-27-18						Laboratory Sample ID: 202747-3					
Date Sampled.....: 12/17/2002						Date Received.....: 12/18/2002					
Time Sampled.....: 11:50						Time Received.....: 10:30					
Sample Matrix.....: Soil											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	78.2		0.10	0.10	1	%	12937		12/20/02 0000	jdW
	% Moisture, Solid	21.8		0.10	0.10	1	%	12937		12/20/02 0000	jdW
8082	PCB Analysis	ND	U	1.7	21	1.00000	ug/Kg	13304		01/03/03 0124	kam
	Aroclor 1016, Solid*	ND	U	1.6	41	1.00000	ug/Kg	13304		01/03/03 0124	kam
	Aroclor 1221, Solid*	ND	U	1.8	21	1.00000	ug/Kg	13304		01/03/03 0124	kam
	Aroclor 1232, Solid*	ND	U	1.9	21	1.00000	ug/Kg	13304		01/03/03 0124	kam
	Aroclor 1242, Solid*	ND	U	3.3	21	1.00000	ug/Kg	13304		01/03/03 0124	kam
	Aroclor 1248, Solid*	46		2.3	21	1.00000	ug/Kg	13304		01/03/03 0124	kam
	Aroclor 1254, Solid*	ND	U	1.8	21	1.00000	ug/Kg	13304		01/03/03 0124	kam
	Aroclor 1260, Solid*										

* In Description = Dry Wgt.

Job Number: 202747		LABORATORY TEST RESULTS		Date: 01/15/2003	
CUSTOMER: ROUX ASSOCIATES		PROJECT: BASF		ATTN: Mike Roux	

Customer Sample ID: 09-29-25
 Date Sampled.....: 12/17/2002
 Time Sampled.....: 16:20
 Sample Matrix.....: Soil

Laboratory Sample ID: 202747-4
 Date Received.....: 12/18/2002
 Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	81.2		0.10	0.10	1	%	12937		12/20/02 0000	jdW
	% Moisture, Solid	18.8		0.10	0.10	1	%	12937		12/20/02 0000	jdW
	PCB Analysis										
	Aroclor 1016, Solid*	ND	U	1.7	20	1.00000	ug/Kg	13304		01/03/03 0205	kam
	Aroclor 1221, Solid*	ND	U	1.5	40	1.00000	ug/Kg	13304		01/03/03 0205	kam
	Aroclor 1232, Solid*	ND	U	1.7	20	1.00000	ug/Kg	13304		01/03/03 0205	kam
	Aroclor 1242, Solid*	ND	U	1.8	20	1.00000	ug/Kg	13304		01/03/03 0205	kam
	Aroclor 1248, Solid*	ND	U	3.1	20	1.00000	ug/Kg	13304		01/03/03 0205	kam
	Aroclor 1254, Solid*	180	M	2.2	20	1.00000	ug/Kg	13304		01/03/03 0205	kam
	Aroclor 1260, Solid*	41		1.7	20	1.00000	ug/Kg	13304		01/03/03 0205	kam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202747

Date: 01/08/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-30-16
Date Sampled.....: 12/17/2002
Time Sampled.....: 17:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 202747-1
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)	ND	U		0.18	0.20	1.0000	ug/L	12919		12/19/02 1605	nnp
6010B	Mercury	ND	U									
	Metals Analysis (ICAP Trace)											
	Aluminum	ND	U		83.3	500	1	ug/L	13181		12/30/02 1811	nnp
	Antimony	ND	U		5.9	20.0	1	ug/L	13181		12/30/02 1811	nnp
	Arsenic	ND	U		7.0	40.0	1	ug/L	13181		12/30/02 1811	nnp
	Barium	5.3	U		1.1	5.0	1	ug/L	13181		12/30/02 1811	nnp
	Beryllium	ND	U		1.0	5.0	1	ug/L	13181		12/30/02 1811	nnp
	Cadmium	ND	U		1.3	10.0	1	ug/L	13181		12/30/02 1811	nnp
	Calcium	ND	U		52.8	300	1	ug/L	13181		12/30/02 1811	nnp
	Chromium	ND	U		1.5	10.0	1	ug/L	13181		12/30/02 1811	nnp
	Cobalt	ND	U		1.5	10.0	1	ug/L	13181		12/30/02 1811	nnp
	Copper	ND	U		1.4	10.0	1	ug/L	13181		12/30/02 1811	nnp
	Iron	ND	U		85.3	200	1	ug/L	13181		12/30/02 1811	nnp
	Lead	ND	U		3.4	10.0	1	ug/L	13181		12/30/02 1811	nnp
	Magnesium	ND	U		11.6	100	1	ug/L	13181		12/30/02 1811	nnp
	Manganese	ND	U		1.2	15.0	1	ug/L	13181		12/30/02 1811	nnp
	Nickel	ND	U		1.9	10.0	1	ug/L	13181		12/30/02 1811	nnp
	Potassium	ND	U		123	400	1	ug/L	13181		12/30/02 1811	nnp
	Selenium	ND	U		6.9	30.0	1	ug/L	13181		12/30/02 1811	nnp
	Silver	ND	U		1.4	6.0	1	ug/L	13181		12/30/02 1811	nnp
	Sodium	97.7	B		72.6	400	1	ug/L	13181		12/30/02 1811	nnp
	Thallium	ND	U		16.1	40.0	1	ug/L	13181		12/30/02 1811	nnp
	Vanadium	ND	U		1.3	6.0	1	ug/L	13181		12/30/02 1811	nnp
	Zinc	ND	U		16.2	50.0	1	ug/L	13181		12/30/02 1811	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202747

Date: 01/08/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-27-18
Date Sampled.....: 12/17/2002
Time Sampled.....: 11:50
Sample Matrix.....: Soil

Laboratory Sample ID: 202747-3
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	78.2		0.10	0.10	1	%	12937		12/20/02 0000	jdW
	% Moisture, Solid	21.8		0.10	0.10	1	%	12937		12/20/02 0000	jdW
7471A	Mercury (CVAA) Solids	1270	B	590	23600	10.000	ug/Kg	13161		12/30/02 1801	nnp
	Mercury, Solid*										
6010B	Metals Analysis (ICAP Trace)										
	Aluminum, Solid*	2780000		130000	1150000	5	ug/Kg	13385		01/06/03 1644	nnp
	Antimony, Solid*	ND	U	5370	52300	5	ug/Kg	13385		01/06/03 1644	nnp
	Arsenic, Solid*	19200	B	4470	35800	5	ug/Kg	13385		01/06/03 1644	nnp
	Barium, Solid*	533000		1340	8940	5	ug/Kg	13385		01/06/03 1644	nnp
	Beryllium, Solid*	ND	U	2240	8940	5	ug/Kg	13385		01/06/03 1644	nnp
	Cadmium, Solid*	ND	U	4470	13400	5	ug/Kg	13385		01/06/03 1644	nnp
	Calcium, Solid*	3260000		38500	380000	5	ug/Kg	13385		01/06/03 1644	nnp
	Chromium, Solid*	11000	B	2240	13400	5	ug/Kg	13385		01/06/03 1644	nnp
	Cobalt, Solid*	3780	B	1340	8940	5	ug/Kg	13385		01/06/03 1644	nnp
	Copper, Solid*	33900		2240	22400	5	ug/Kg	13385		01/06/03 1644	nnp
	Iron, Solid*	16200000		98400	648000	5	ug/Kg	13385		01/06/03 1644	nnp
	Lead, Solid*	587000		4470	40200	5	ug/Kg	13385		01/06/03 1644	nnp
	Magnesium, Solid*	877000		16100	156000	5	ug/Kg	13385		01/06/03 1644	nnp
	Manganese, Solid*	130000		1340	11200	5	ug/Kg	13385		01/06/03 1644	nnp
	Nickel, Solid*	12100	B	2240	22400	5	ug/Kg	13385		01/06/03 1644	nnp
	Potassium, Solid*	582000	B	192000	894000	5	ug/Kg	13385		01/06/03 1644	nnp
	Selenium, Solid*	ND	U	7150	71500	5	ug/Kg	13385		01/06/03 1644	nnp
	Silver, Solid*	ND	U	1340	13400	5	ug/Kg	13385		01/06/03 1644	nnp
	Sodium, Solid*	334000	B	42000	420000	5	ug/Kg	13385		01/06/03 1644	nnp
	Thallium, Solid*	ND	U	13400	98400	5	ug/Kg	13385		01/06/03 1644	nnp
	Vanadium, Solid*	8500	B	1790	17900	5	ug/Kg	13385		01/06/03 1644	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS													
Job Number: 202747						Date:01/08/2003							
CUSTOMER: ROUX ASSOCIATES						ATTN: Mike Roux							
Customer Sample ID: 09-27-18 Date Sampled.....: 12/17/2002 Time Sampled.....: 11:50 Sample Matrix.....: Soil						Laboratory Sample ID: 202747-3 Date Received.....: 12/18/2002 Time Received.....: 10:30							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
7470A	Zinc, Solid*	282000	U		10700	89400	5	ug/Kg	13385		01/06/03 1644	nnp	
	Arsenic, TCLP	ND	U		34.8	200	1	ug/L	13014		12/23/02 1816	dwh	
	Barium, TCLP	596			5.4	25.0	1	ug/L	13014		12/23/02 1816	dwh	
	Cadmium, TCLP	ND	U		6.4	50.0	1	ug/L	13014		12/23/02 1816	dwh	
	Chromium, TCLP	ND	U		7.6	50.0	1	ug/L	13014		12/23/02 1816	dwh	
	Lead, TCLP	729			17.0	50.0	1	ug/L	13014		12/23/02 1816	dwh	
	Selenium, TCLP	ND	U		34.6	150	1	ug/L	13014		12/23/02 1816	dwh	
	Silver, TCLP	ND	U		6.8	30.0	1	ug/L	13014		12/23/02 1816	dwh	
	Leachable, Mercury (CVAA)	ND	U		0.90	10.0	1.0000	ug/L	13021		12/23/02 1547	dwh	
	Mercury, TCLP												

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 202747

Date: 01/08/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-29-25
Date Sampled.....: 12/17/2002
Time Sampled.....: 16:20
Sample Matrix.....: Soil

Laboratory Sample ID: 202747-4
Date Received.....: 12/18/2002
Time Received.....: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	81.2			0.10	0.10	1	%	12937		12/20/02 0000	jdW
	% Moisture, Solid	18.8			0.10	0.10	1	%	12937		12/20/02 0000	jdW
7471A	Mercury (CVAA) Solids	643	B		60.6	2420	1.0000	ug/Kg	13161		12/30/02 1803	nnp
	Mercury, Solid*											
60108	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	4690000			154000	1370000	5	ug/Kg	13385		01/06/03 1656	nnp
	Antimony, Solid*	ND	U		6370	62100	5	ug/Kg	13385		01/06/03 1656	nnp
	Arsenic, Solid*	93000			5310	42500	5	ug/Kg	13385		01/06/03 1656	nnp
	Barium, Solid*	181000			1590	10600	5	ug/Kg	13385		01/06/03 1656	nnp
	Beryllium, Solid*	ND	U		2650	10600	5	ug/Kg	13385		01/06/03 1656	nnp
	Cadmium, Solid*	ND	U		5310	15900	5	ug/Kg	13385		01/06/03 1656	nnp
	Calcium, Solid*	9100000			45700	451000	5	ug/Kg	13385		01/06/03 1656	nnp
	Chromium, Solid*	46700			2650	15900	5	ug/Kg	13385		01/06/03 1656	nnp
	Cobalt, Solid*	4090		B	1590	10600	5	ug/Kg	13385		01/06/03 1656	nnp
	Copper, Solid*	206000			2650	26500	5	ug/Kg	13385		01/06/03 1656	nnp
	Iron, Solid*	50100000			117000	770000	5	ug/Kg	13385		01/06/03 1656	nnp
	Lead, Solid*	310000			5310	47800	5	ug/Kg	13385		01/06/03 1656	nnp
	Magnesium, Solid*	1760000			19100	186000	5	ug/Kg	13385		01/06/03 1656	nnp
	Manganese, Solid*	136000			1590	13300	5	ug/Kg	13385		01/06/03 1656	nnp
	Nickel, Solid*	27500			2650	26500	5	ug/Kg	13385		01/06/03 1656	nnp
	Potassium, Solid*	982000	B		228000	1060000	5	ug/Kg	13385		01/06/03 1656	nnp
	Selenium, Solid*	ND	U		8490	84900	5	ug/Kg	13385		01/06/03 1656	nnp
	Silver, Solid*	ND	U		1590	15900	5	ug/Kg	13385		01/06/03 1656	nnp
	Sodium, Solid*	515000			49900	499000	5	ug/Kg	13385		01/06/03 1656	nnp
	Thallium, Solid*	ND	U		15900	117000	5	ug/Kg	13385		01/06/03 1656	nnp
	Vanadium, Solid*	19000	B		2120	21200	5	ug/Kg	13385		01/06/03 1656	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Date: 01/08/2003

Job Number: 202747

ATTN: Mike Roux

PROJECT: BASF

CUSTOMER: ROUX ASSOCIATES

Laboratory Sample ID: 202747-4
Date Received: 12/18/2002
Time Received: 10:30

Customer Sample ID: 09-29-25
Date Sampled: 12/17/2002
Time Sampled: 16:20
Sample Matrix: Soil

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Zinc, Solid*	ND			12700	106000	5	ug/Kg	13385		01/06/03	nnp
	Arsenic, TCLP	77.9	U		34.8	200	1	ug/L	13014		12/23/02	dwh
	Barium, TCLP	19.1	B		5.4	25.0	1	ug/L	13014		12/23/02	dwh
	Cadmium, TCLP				6.4	50.0	1	ug/L	13014		12/23/02	dwh
	Chromium, TCLP	ND	U		7.6	50.0	1	ug/L	13014		12/23/02	dwh
	Lead, TCLP	1690			17.0	50.0	1	ug/L	13014		12/23/02	dwh
	Selenium, TCLP	ND	U		34.6	150	1	ug/L	13014		12/23/02	dwh
	Silver, TCLP	ND	U		6.8	30.0	1	ug/L	13014		12/23/02	dwh
	Leachable, Mercury (CVAA)	ND	U		0.90	10.0	1.0000	ug/L	13021		12/23/02	dwh
	Mercury, TCLP											

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 202747			Date:01/08/2003									
CUSTOMER: ROUX ASSOCIATES			PROJECT: BASF ATTN: Mike Roux									
Customer Sample ID: 09-29-25			Laboratory Sample ID: 202747-4									
Date Sampled.....: 12/17/2002			Date Received.....: 12/18/2002									
Time Sampled.....: 16:20			Time Received.....: 10:30									
Sample Matrix.....: Soil												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH	
7470A	Zinc, Solid*	253000	U	12700	106000	5	ug/Kg	13385		01/06/03 1656	nnp	
	Arsenic, TCLP	ND		34.8	200	1	ug/L	13014		12/23/02 1822	dwh	
	Barium, TCLP	77.9		5.4	25.0	1	ug/L	13014		12/23/02 1822	dwh	
	Cadmium, TCLP	19.1	B	6.4	50.0	1	ug/L	13014		12/23/02 1822	dwh	
	Chromium, TCLP	ND	U	7.6	50.0	1	ug/L	13014		12/23/02 1822	dwh	
	Lead, TCLP	1690		17.0	50.0	1	ug/L	13014		12/23/02 1822	dwh	
	Selenium, TCLP	ND	U	34.6	150	1	ug/L	13014		12/23/02 1822	dwh	
	Silver, TCLP	ND	U	6.8	30.0	1	ug/L	13014		12/23/02 1822	dwh	
	Leachable, Mercury (CVAA)	ND	U	0.90	10.0	1.0000	ug/L	13021		12/23/02 1548	dwh	
	Mercury, TCLP											

* In Description = Dry Wgt.

Job Number: 202747

Date: 01/16/2003

LABORATORY TEST RESULTS

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-30-16

Date Sampled: 12/17/2002

Time Sampled: 17:00

Sample Matrix: Groundwater

Laboratory Sample ID: 202747-1

Date Received: 12/18/2002

Time Received: 10:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
9012	Cyanide (Colorimetric)	ND	U	1.0	10.0	1.0	ug/L	12965		12/19/02 1941	dtm
3500-CrD	Hexavalent Chromium	ND	U	0.001	0.010	1	mg/L	13106		12/19/02 1026	ams
	Hexavalent Chromium										

LABORATORY TEST RESULTS

Job Number: 202747

Date: 01/16/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Customer Sample ID: 09-27-18 Date Sampled.....: 12/17/2002 Time Sampled.....: 11:50 Sample Matrix.....: Soil													Laboratory Sample ID: 202747-3 Date Received.....: 12/18/2002 Time Received.....: 10:30												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH													
ASTM D-2216 9012 3500-CrD	% Solids, Solid	78.2			0.10	0.10	1	%	12937		12/20/02 0000	jdW													
	% Moisture, Solid	21.8			0.10	0.10	1	%	12937		12/20/02 0000	jdW													
	Cyanide (Colorimetric)	ND		U	0.069	0.64	1.0	mg/Kg	12965		12/19/02 1956	dtN													
	Cyanide, Total, Solid*																								
	Hexavalent Chromium	0.102		B	0.001	0.256	1	mg/Kg	13527		01/09/03 1352	ams													
	Hexavalent Chromium, Solid*																								

LABORATORY TEST RESULTS												
Job Number: 202747						Date:01/16/2003						
CUSTOMER: ROUX ASSOCIATES						PROJECT: BASF						
Customer Sample ID: 09-29-25 Date Sampled.....: 12/17/2002 Time Sampled.....: 16:20 Sample Matrix.....: Soil						Laboratory Sample ID: 202747-4 Date Received.....: 12/18/2002 Time Received.....: 10:30						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216	% Solids, Solid	81.2 18.8			0.10 0.10	0.10 0.10	1 1	% %	12937 12937		12/20/02 0000 12/20/02 0000	jdw jdw
9012	Cyanide (Colorimetric) Cyanide, Total, Solid*	ND		U	0.065	0.60	1.0	mg/Kg	12965		12/19/02 1957	dtm
3500-CrD	Hexavalent Chromium Hexavalent Chromium, Solid*	ND		U	0.001	0.246	1	mg/Kg	13527		01/09/03 1353	ams

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 202747

Date: 01/16/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Lab ID: 202747-1		Client ID: 09-30-16		Date Recvd: 12/18/2002		Sample Date: 12/17/2002		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION	
5030A	5030 5 mL Purge Prep	1	12887					
7470/7471	74706 Digestion (Hg)	1	12862			12/19/2002	0000	
3010A	Acid Digestion (ICAP)	1	12927			12/20/2002	0000	
9012	Cyanide (Colorimetric)	1	12965	12984		12/19/2002	1941	1.0
CN Prep Method	Cyanide sample Preparation	1	12984			12/19/2002	0000	
3510C	Extraction Sep. Funnel (PCBs)	1	13011			12/20/2002	0000	
3510C	Extraction Sep. Funnel (SVOC)	1	13094			12/23/2002	0000	
3500-CrD	Hexavalent Chromium	1	13106			12/19/2002	1026	
7470A	Mercury (CVAA)	1	12919	12862		12/19/2002	1605	1.0000
6010B	Metals Analysis (ICAP Trace)	1	13181	12927		12/30/2002	1811	
8082	PCB Analysis	1	13300	13011		01/03/2003	0405	1.00000
8270C	Semivolatile Organics	1	13524	13094		01/03/2003	2056	1.00000
BNA TIC	Semivolatile TIC	1	13617	13094		01/03/2003	2056	1.00000
8260B	Volatile Organics (5mL Purge)	1	12896	12887		12/19/2002	0447	1.00000
VOA TIC	Volatile TIC	1	13499	12887		12/19/2002	0447	1.00000

Lab ID: 202747-2		Client ID: TRIP BLANK		Date Recvd: 12/18/2002		Sample Date: 12/17/2002		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION	
5030A	5030 5 mL Purge Prep	1	12887					
8260B	Volatile Organics (5mL Purge)	1	12896	12887		12/18/2002	2245	1.00000
VOA TIC	Volatile TIC	1	13499	12887		12/18/2002	2245	1.00000

Lab ID: 202747-3		Client ID: 09-27-18		Date Recvd: 12/18/2002		Sample Date: 12/17/2002		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION	
ASTM D-2216		1	12937			12/20/2002	0000	
5030A	5030 Soil(5g)Prep	1	12925					
5030A	5030CP TCLP/SPLP Prep	1	12899					
7470/7471	74706 Digestion (Hg)	1	13109			12/30/2002	0000	
3010A	Acid Dig. Leachates (ICAP)	1	12952			12/23/2002	0000	
3050B	Acid Digestion: Solids (ICAP)	1	13297			01/03/2003	0000	
9012	Cyanide (Colorimetric)	1	12965	12984		12/19/2002	1956	1.0
CN Prep Method	Cyanide sample Preparation	1	12984			12/19/2002	0000	
3510C	Extraction Sep. Funnel (SVOC)	1	13101			12/27/2002	0000	
3541	Extraction Soxhlet (SVOC)	1	12972			12/20/2002	0000	
3550B	Extraction Ultrasonic (PCBs)	1	13012			12/20/2002	0000	
3500-CrD	Hexavalent Chromium	1	13527			01/09/2003	1352	
7470A	Leachable, Mercury (CVAA)	1	13021	12958		12/23/2002	1547	1.0000
7471A	Mercury (CVAA) Solids	1	13161	13109		12/30/2002	1801	10.000
6010B	Metals Analysis (ICAP Trace)	1	13014	12952		12/23/2002	1816	
6010B	Metals Analysis (ICAP Trace)	1	13385	13297		01/06/2003	1644	5
8082	PCB Analysis	1	13304	13012		01/03/2003	0124	1.00000
8082	PCB Analysis, Confirmation	1	13300	13012		01/03/2003	0124	1.00000
7470	SW846 Dig. Leachates (Hg)	1	12958			12/23/2002	0000	
8270C	Semivolatile Organics	1	13524	12972		12/27/2002	1529	1.00000
8270C	Semivolatile Organics	1	13524	13101 -13026		01/03/2003	2003	1.00000
BNA TIC	Semivolatile TIC	1	13617	12972		12/27/2002	1529	1.00000
1311	TCLP Extraction	1	13026			12/20/2002	0000	
1311	TCLP Zero Headspace Extraction	1	13262			12/19/2002	0000	
8260B	Volatile Organics	1	12980	12925		12/19/2002	0055	1.00000
8260B	Volatile Organics	1	12983	12932		12/19/2002	1815	1.00000
8260B	Volatile Organics	2	12980	12925		12/19/2002	0055	1.00000
8260B	Volatile Organics	2	12983	12932		12/19/2002	1815	1.00000
8260B	Volatile Organics (5mL Purge)	1	12908	12899		12/19/2002	1838	1.00000
VOA TIC	Volatile TIC	1	13499	12925		12/19/2002	0055	1.00000
VOA TIC	Volatile TIC	1	13499	12932		12/19/2002	1815	1.00000

L A B O R A T O R Y C H R O N I C L E

Job Number: 202747

Date: 01/16/2003

CUSTOMER: ROUX ASSOCIATES

PROJECT: BASF

ATTN: Mike Roux

Lab ID: 202747-3	Client ID: 09-27-18	Date Recvd: 12/18/2002	Sample Date: 12/17/2002				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
VOA TIC	Volatile TIC	2	13499	12925		12/19/2002 0055	1.00000
VOA TIC	Volatile TIC	2	13499	12932		12/19/2002 1815	1.00000
Lab ID: 202747-4	Client ID: 09-29-25	Date Recvd: 12/18/2002	Sample Date: 12/17/2002				
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
ASTM D-2216		1	12937			12/20/2002 0000	
5030A	5030 Soil(5g)Prep	1	12925				
5030A	5030CP TCLP/SPLP Prep	1	12899				
7470/7471	74706 Digestion (Hg)	1	13109			12/30/2002 0000	
3010A	Acid Dig. Leachates (ICAP)	1	12952			12/23/2002 0000	
3050B	Acid Digestion: Solids (ICAP)	1	13297			01/03/2003 0000	
9012	Cyanide (Colorimetric)	1	12965	12984		12/19/2002 1957	1.0
CN Prep Method	Cyanide sample Preparation	1	12984			12/19/2002 0000	
3510C	Extraction Sep. Funnel (SVOC)	1	13101			12/27/2002 0000	
3541	Extraction Soxhlet (SVOC)	1	12972			12/20/2002 0000	
3550B	Extraction Ultrasonic (PCBs)	1	13012			12/20/2002 0000	
3500-CrD	Hexavalent Chromium	1	13527			01/09/2003 1353	
7470A	Leachable, Mercury (CVAA)	1	13021	12958		12/23/2002 1548	1.0000
7471A	Mercury (CVAA) Solids	1	13161	13109		12/30/2002 1803	1.0000
6010B	Metals Analysis (ICAP Trace)	1	13014	12952		12/23/2002 1822	
6010B	Metals Analysis (ICAP Trace)	1	13385	13297		01/06/2003 1656	5
8082	PCB Analysis	1	13304	13012		01/03/2003 0205	1.00000
8082	PCB Analysis, Confirmation	1	13300	13012		01/03/2003 0205	1.00000
7470	SW846 Dig. Leachates (Hg)	1	12958			12/23/2002 0000	
8270C	Semivolatile Organics	1	13524	12972		12/27/2002 1553	1.00000
8270C	Semivolatile Organics	1	13524	13101	-13026	01/03/2003 2030	1.00000
BNA TIC	Semivolatile TIC	1	13617	12972		12/27/2002 1553	1.00000
1311	TCLP Extraction	1	13026			12/20/2002 0000	
1311	TCLP Zero Headspace Extraction	1	13262			12/19/2002 0000	
8260B	Volatile Organics	1	12980	12925		12/19/2002 0130	1.00000
8260B	Volatile Organics	1	12983	12932		12/19/2002 1851	1.00000
8260B	Volatile Organics	2	12980	12925		12/19/2002 0130	1.00000
8260B	Volatile Organics	2	12983	12932		12/19/2002 1851	1.00000
8260B	Volatile Organics (5mL Purge)	1	12908	12899		12/19/2002 1910	1.00000
VOA TIC	Volatile TIC	1	13499	12925		12/19/2002 0130	1.00000
VOA TIC	Volatile TIC	1	13499	12932		12/19/2002 1851	1.00000
VOA TIC	Volatile TIC	2	13499	12925		12/19/2002 0130	1.00000
VOA TIC	Volatile TIC	2	13499	12932		12/19/2002 1851	1.00000

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/15/2003

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
- 5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

- U Analyte was not detected at or above the reporting limit.
- < Not detected at or above the reporting limit.
- J Result is less than the RL, but greater than or equal to the method detection limit.
- B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
- S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
- * LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
- + MSA correlation coefficient is less than 0.995.
- 4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
- E SD: Serial dilution exceeds the control limits.
- H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
- N MS, MSD: Spike recovery exceeds the upper or lower control limits.
- W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

- U Analyte was not detected at or above the reporting limit.
- ND Compound not detected.
- J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
- Q Result was qualitatively confirmed, but not quantified.
- C Pesticide identification was confirmed by GC/MS.
- Y The chromatographic response resembles a typical fuel pattern.
- Z The chromatographic response does not resemble a typical fuel pattern.
- E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

- MB,EB, MLE: Batch QC is greater than reporting limit.
- * LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
- A Concentration exceeds the instrument calibration range or below the reporting limit.
- B Compound was found in the blank and sample.
- D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
- H Alternate peak selection upon analytical review
- I Indicates the presence of an interference, recovery is not calculated.
- M Manually integrated compound.
- P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 01/15/2003

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut Certification Summary (as of May 2002)

State	Responsible Agency	Certification	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	M-CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	CT410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Wisconsin	Department of Natural Resources	Wastewater	998355710

ATTACHMENT 5

Sampling Location Figure