

June 3, 1998

Mr. Ed Joniskan, Project Manager
Indiana Department of Environmental Management
Office of Environmental Response
Voluntary Remediation Program
2525 North Shadeland Avenue
Indianapolis, IN 46206

RE: Voluntary Remediation Program Application

Dear Ed:

Please find enclosed copy of our application to enter into the Voluntary Remediation Program. The original was sent to the Cashiers Office on May 26, 1998. A copy of our cover letter was also sent to you. As of this date we have not received acknowledgment of receipt of our check and application. As you and I have discussed in the past, AlliedSignal wishes to choose the VRP as opposed to other alternatives. Ed, We would greatly appreciate anything you can do to help us achieve our goal of rapid approval and subsequent entry into the Program.

Again, we wish to thank you for your assistance. If there are questions regarding this matter or if you have information about the status of our application please contact me at (219) 231-3412.

Sincerely,



Ray White
Manager Midwest Region
Site Remediation

IDEM Office of Land Quality - Fileroom Setup	
VRP Project Name: <u>HONEYWELL</u>	
VRP#: <u>6980601</u>	File Code: <u>100</u>
Description: <u>PROGRAM APPLICATION</u>	
Confidential? ☐ Yes	☒ No
Deliberative? ☐ Yes	☒ No

Enclosure



AlliedSignal Inc.
Aerospace Equipment Systems
717 North Bendix Drive
South Bend, IN 46620

219 231 3000

May 26, 1998

VIA OVERNIGHT MAIL

Indiana Department of Environmental Management
Attention: Cashier's Office
Voluntary Remediation Program
2525 North Shadeland Avenue
Indianapolis, Indiana 46206-6015

***RE: Application for Admittance into the State of Indiana
Voluntary Remediation Program***

To whom it may concern:

This is to notify you that AlliedSignal wishes to enter our South Bend facility located at 717 North Bendix Drive into the Voluntary Remediation Program. Enclosed herein please find our completed application and check in the amount of \$1,000.00 as required.

Thank you for expediting the process for this application and forwarding it to the appropriate parties. Should there be any need for additional information, please contact the writer at (219) 231-3412.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ray White', written in a cursive style.

Ray White
Midwest Manager
Site Remediation

Enclosures

032996 05 C

BRANCHPAY™ 1-(800) 444-6899

001980

BRANCHPAY

BRANCHPAY

INVOICE NO.	X 3412 R. WHITE		
INVOICE DATE	5 MO.	26 DAY	98 YEAR
FOR: <u>ESA</u>			
[REDACTED]			
ACCOUNT NUMBER			
<u>VOLUNTARY REMEDIATION PROGRAM</u>			
GOOD ONLY FOR FIELD OPERATING EXPENSES			



AlliedSignal Inc.
Aircraft Landing Systems
3520 Westmoor Street
South Bend, Indiana 46628-1373

COST CENTER	DATE	BRANCHPAY NO.
	5 26 98 MO. DAY YEAR	507345

PAY TO THE ORDER OF INDIANA DEPT OF ENVIRONMENTAL MANAGEMENT
(PAYEE)

ADDRESS 2525 SHADELAND AVE, INDIANAPOLIS, IN 46206
(PLACE - CITY AND STATE)

THE AMOUNT OF One Thousand and no/100 DOLLARS \$ 1,000.00
NOT GOOD FOR MORE THAN \$4000.00

NOT REDEEMABLE FOR CASH BY DRAWER'S AUTHORIZED REPRESENTATIVE

PAYABLE THROUGH
NORWEST BANK INDIANA, N.A.
SOUTH BEND, INDIANA 71-52/712

SIGNATURE OF DRAWER'S AUTHORIZED REPRESENTATIVE
By signing this instrument, each of the undersigned confirms that this instrument has been drawn in accordance with authority issued by GELCO PAYMENT SYSTEMS, INC. If any statement herein be untrue, we, the undersigned, agree to pay the drawer upon demand the amount of this instrument and all expenses and damages arising from such misstatement.



CONFIDENTIAL

Approved by State Board of Accounts 1995

Voluntary Remediation Program Application

RETURN
COMPLETED
APPLICATION
TO

Indiana Department of Environmental Management
Office of Environmental Response,
Voluntary Remediation Program
100 North Senate Avenue, Room N-1255
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 233 - 6443

Facility ID Number
(IDEM use only)

6191810161011

Account Number

2680 110000

EPA ID Number

IND090540111615

Pursuant to Indiana Code 13-7-8.9-7, your application to the Voluntary Remediation Program (VRP) will receive confidential treatment. Neither the application nor any information which comes from the application will be made available to the public. However, any material submitted to or generated by the VRP after your notification of eligibility, will be considered IDEM public record.

GENERAL

SITE INVESTIGATION (CHECK ALL THAT APPLY):

- ☐ None ☐ Ongoing ☒ Complete
☐ Formal Workplan Review Requested

SITE REMEDIATION (CHECK ALL THAT APPLY):

- ☐ None ☒ Ongoing ☐ Complete

CURRENT SITE STATUS:

- ☒ Active ☐ Inactive

YEARS OF OPERATION:

1925 | unknown

- ☐ Unknown

Beginning Year

Ending Year

TOWNSHIP, RANGE AND SECTION (OR UTM COORDINATES): See Attachment "B"

PROPERTY OWNERSHIP

VOLUNTARY CLEANUP APPLICANT

APPLICANT NAME

AlliedSignal

MAILING ADDRESS

101 Columbia Road

Post Office Box 2245

CITY

Morristown

STATE

NJ

ZIP CODE

017191612 - 21245

TELEPHONE

(973) 455-2775

OPERATOR OF FACILITY

OPERATOR NAME (If Same As Applicant, Mark Oval Here ☒)

MAILING ADDRESS

CITY

STATE

ZIP CODE

TELEPHONE

FACILITY LOCATION & DESCRIPTION

FACILITY LOCATION

FACILITY NAME (If Same As Applicant, Mark Oval Here ☒)

AlliedSignal Aerospace Equip. Sys.

MAILING ADDRESS (If Same As Applicant, Mark Oval Here ☐)

717 North Bendix Drive

CITY

South Bend

ZIP CODE

46610-111

COUNTY

St. Joseph

CONTACT PERSON

ORGANIZATION (If Same As Applicant, Mark Oval Here ☒)

CONTACT PERSON (All Correspondence Will Be Sent To Person Identified)

Ray White

MAILING ADDRESS

717 North Bendix Drive

CITY

South Bend

STATE

IN

ZIP CODE

4661210-111

TELEPHONE

(219) 231-3412

BRIEF DESCRIPTION

UNUSUAL SITE HAZARDS / CONDITION (Check all that apply)

- ☐ Radioactivity ☐ Explosive Conditions
☐ Confined Spaces ☐ Reactive Materials

- ☒ None
☐ Other: _____
☐ Infectious Material Present
☐ Off-Site Contamination

STANDARD INDUSTRIAL CLASSIFICATION (Select only one)

- ☐ Metal Mining ☐ Coal Mining
☐ Paper & Allied Products ☐ Petroleum & Coal Products
☐ Primary Metal Industries ☐ Electronic Equipment
☐ Pipelines (Excluding Natural Gas) ☐ Oil & Gas Production
☐ Auto Dealers & Service Stations ☐ Auto Repair, Services & Parking
☐ Wholesale Trade Durable Goods ☐ Rubber & Plastic Products
☐ Wholesale Trade Durable Goods ☐ Transportation Equipment

☒ Other: 3724-3728

Official State Use Only

CONFIDENTIAL

FACILITY NAME AlliedSignal - South Bend

Part 1 of 2

D

CONTAMINANT INFORMATION

COMPLETE A COLUMN FOR EACH CONTAMINANT CATEGORY

ATTACH ADDITIONAL SHEETS AS NEEDED

CONTAMINANT CATEGORY (Check all categories that apply)	SOLVENTS	PETROLEUM	METALS	ORGANICS	INORGANICS
STORAGE See Next Page					
Surface Impoundments	☐	☐	☐	☐	☐
Above Ground Drums	☐	☐	☐	☐	☐
Buried Drums	☐	☐	☐	☐	☐
AST	☐	☐	☐	☐	☐
FORMER UST	☐	☐	☐	☐	☐
Piles	☐	☐	☐	☐	☐
Landfill	☐	☐	☐	☐	☐
Landfarm	☐	☐	☐	☐	☐
Open Dump	☐	☐	☐	☐	☐
Former Disposal Area Other:	☐	☐	☐	☐	☐
PHYSICAL STATE					
Solid	☐	☐	☐	☐	☐
Liquid	☐	☐	☐	☐	☐
Sludge	☐	☐	☐	☐	☐
Powder/Fines	☐	☐	☐	☐	☐
Gaseous	☐	☐	☐	☐	☐
Slurry	☐	☐	☐	☐	☐
Other:	☐	☐	☐	☐	☐
GROSS AMOUNTS					
Number Of Drums	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>
Cubic Yards	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>
Tons	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>
Gallons	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u> </u>
Other:	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
N/A = Not Available					
MAXIMUM LEVELS & UNITS					
ppm	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
See Attachment "C" ppb	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
MEDIA TARGETED FOR CLEANUP					
Surface Soil	☐	☐	☐	☐	☐
Subsurface Soil	☐	☐	☐	☐	☐
Surface Water	☐	☐	☐	☐	☐
Groundwater	☐	☐	☐	☐	☐

CONSTITUENTS

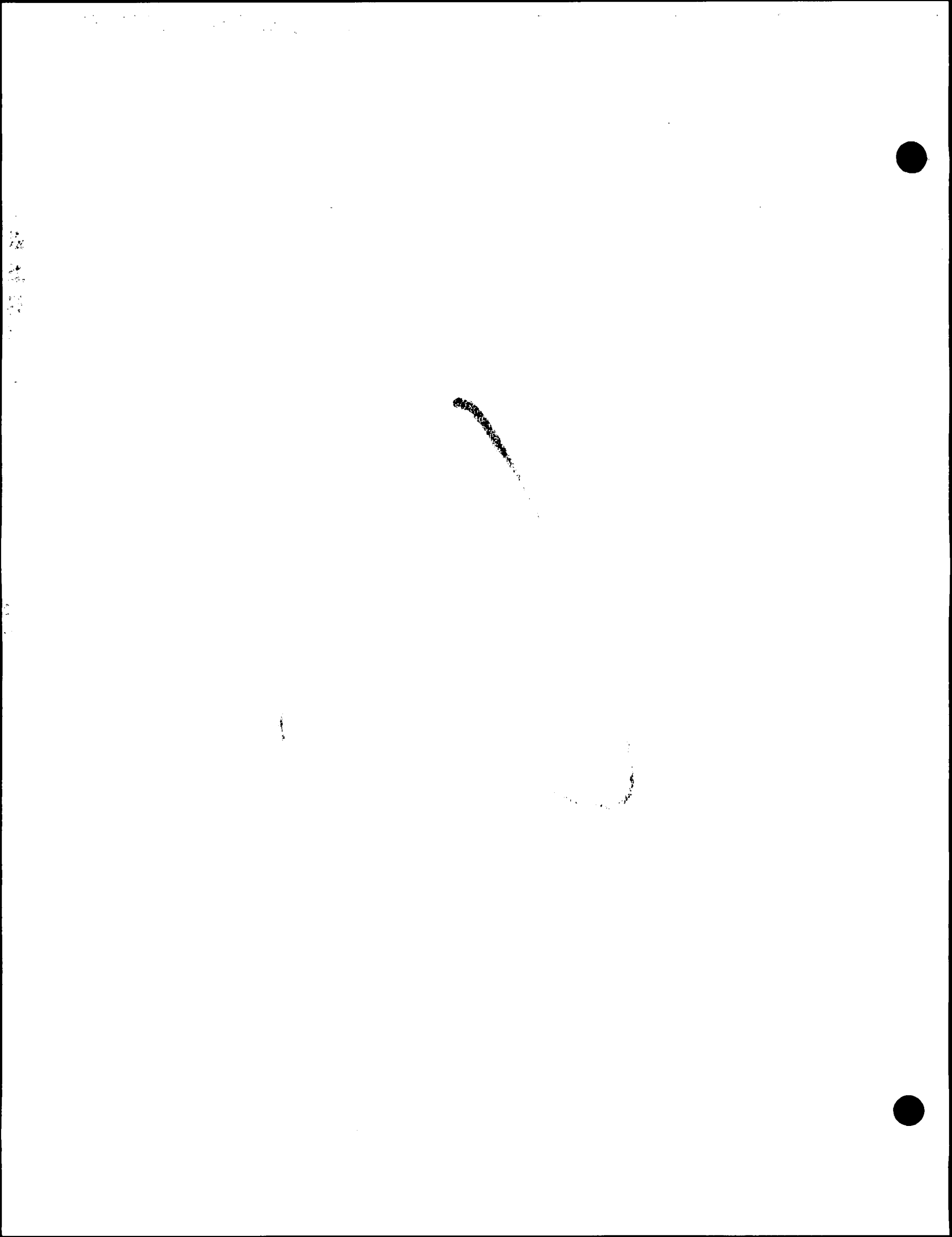
(Please specify individual chemical(s) targeted for voluntary cleanup per each Waste Category identified above)

See Attachment "C"

CONTINUED FROM SECTION D:

Implied definition of "surface impoundments" for the purpose of this Application, AlliedSignal considers "surface impoundments as holding tanks, process equipment, chemical storage areas and chemical handling areas."

4



CONFIDENTIAL

FACILITY NAME AlliedSignal - South Bend

Part 2 of 2

D

CONTAMINANT INFORMATION

COMPLETE A COLUMN FOR EACH CONTAMINANT CATEGORY

ATTACH ADDITIONAL SHEETS AS NEEDED

CONTAMINANT CATEGORY
(Check all categories that apply)

ACIDS/BASES

PESTICIDES

SLUDGE

OTHER:

STORAGE

Surface Impoundments

Above Ground Drums

Buried Drums

AST

UST

Piles

Landfill

Landfarm

Open Dump

Other:

PHYSICAL STATE

Solid

Liquid

Sludge

Powder/Fines

Gaseous

Slurry

Other:

GROSS AMOUNTS

Number Of Drums

Cubic Yards

Tons

Gallons

Other:

MAXIMUM LEVELS
& UNITS

ppm

ppb

MEDIA TARGETED
FOR CLEANUP

Surface Soil

Subsurface Soil

Surface Water

Groundwater

CONSTITUENTS

(Please specify individual chemical(s) targeted for voluntary cleanup per each Waste Category identified above)

Non-Applicable

CONFIDENTIAL

FACILITY NAME AlliedSignal - South Bend

(E)

PERMITS/ENFORCEMENT INFORMATION

/AAT/

Does Your Facility Have Now Or Ever Had A RCRA Permit Or RCRA Interim Status?

☐ No ☒ Yes

TYPE OF PERMIT	PERMIT NUMBER	DATE ISSUED	EXPIRATION DATE
Part A/Interim	Unknown	1981	Withdrawn 1982
*			

*AlliedSignal (Bendix) closed units rather than submit a Part B

Are You Required To Investigate Or Remediate This Facility By Any Other Permit Condition, Commissioner's Order Or Condition Of Any Other Rule? ☒ No ☐ YesHas Your Facility Had Any Past Regulatory Or Enforcement Action At The Following Levels?
(If So, Please Provide A Brief Narrative Description Below)☐ Federal☒ State☐ Local

Issues resolved

(F)

WATER INFORMATION

LOCAL DRINKING WATER SUPPLY

SURFACE

WELL

Municipal

☐☒

Private/Residential

☐☐

WATER SUPPLY DISTANCE FROM SITE

☐ Feet☒ Mile(s) 2.6

LOCAL SURFACE WATER BODIES

Wetland(s)

☐

Stream

☐

River

☒

Lake

☐

Pond

☐

SURFACE WATER DISTANCE FROM SITE

☐ Feet☒ Mile(s) 3.5

LOCAL SURFACE WATER USE (Check all that apply)

USED

AFFECTED

POTENTIALLY AFFECTED

☐☐☐

Reservoir, Recreation

☐☐☐

Irrigation

☐☐☐

Commercial

☒☒

Not Currently Used

LOCAL GROUNDWATER USE (Check all that apply)

USED

AFFECTED

POTENTIALLY AFFECTED

☒☐☐

Sole Source Drinking Water

☐☐☐

Drinking Source W/ Others

☐☐☐

Commercial, Industrial

☐☐

Not Currently Used

SITE SPECIFIC

DEPTH TO GROUNDWATER

Unknown

15-18

Feet

SITE SPECIFIC GROUNDWATER FLOW DIRECTION

☐ NorthWest☐ North☒ NorthEast☒ East☐ SouthEast☐ South☐ SouthWest☐ West

WATER QUALITY USAGE DESCRIPTIONS

CONFIDENTIAL

FACILITY NAME AlliedSignal - South Bend

G CHRONOLOGICAL SUMMARY AND CONCLUSIONS

Please Provide The Following Information In As Much Detail as Space Allows. Limit The Information To The "Highlights" And Maintain A Chronological Format.

FACILITY OPERATIONAL HISTORY:

SEE ATTACHED PAGE

PAST SPILL HISTORY: (If No Incidents Have Occurred, Then Mark Oval Here ☐)

SEE ATTACHED PAGE

SOIL INFORMATION:

SEE ATTACHED PAGE

HYDROGEOLOGICAL INFORMATION:

SEE ATTACHED PAGE

OFF-SITE MIGRATION & PATHWAYS:

(If Not Impacted, Then Mark Oval Here ☐)

SEE ATTACHED PAGE

PROJECTED CLEANUP OBJECTIVES:

☐ TIER I☐ TIER II☐ CURRENTLY UNDETERMINED☒ TIER III☐ RESIDENTIAL☐ NONRESIDENTIAL

G

Please provide the following information in as much detail as space allows. Limit the Information to the "Highlights" and Maintain a chronological format.

FACILITY OPERATIONAL HISTORY:

Since 1919, the 110-acre property has been used for aircraft engine fuel control systems. From 1978 until the present, aircraft landing systems, automotive brakes and steering and chassis components manufacturing.

PAST SPILL HISTORY: (If no incidents have occurred, then mark oval here)

Over the life of the facility, intermittent spills occurred due to handling of material and leaking underground storage tanks removed/closed in mid-1980's. Reported under regulations

SOIL INFORMATION:

Surface soil at the site is primarily silty sand/gravel. Smaller areas of shallow fill material are located throughout the facility. Subsurface soil at the site consists mainly of poorly-graded, fine-to-medium sand with minor amounts of silt and gravel to depths of 20-70 feet below ground surface. A more continuous silt and clay unit underlies the fine-to-medium sand unit throughout most of the site.

HYDROGEOLOGICAL INFORMATION:

Two flow systems have been identified below the site. They are a shallow flow system and a deep flow system. Beneath the majority of the facility these two flow systems are separated by a silty-clay layer.

OFF-SITE MIGRATION & PATHWAYS: (If not impacted, then mark oval here)

Migration of contaminated groundwater.

PROJECTED CLEANUP OBJECTIVES:

TIER III

CONFIDENTIAL

FACILITY NAME AlliedSignal - South Bend

H

MISCELLANEOUS ENVIRONMENTAL INFORMATION

INFORMATION RESOURCE(S) (Check All That Apply)

☒ PREVIOUS SITE STUDY: (Include Title & Date)

Voluntary Site Investigation in April of 1998

☐ OTHER: (Include Title & Date)☐ U.S. GEOLOGICAL SURVEY
☐ SOIL CONSERVATION SERVICE
☐ REGULATORY REPORTING☐ STATE REPORTS
☒ SITE SPECIFIC DATA
☐ OTHER GOVERNMENT AGENCIES

Do The Conditions Regarding Hazardous Substances Or Petroleum, As Described In This Confidential Application, Constitute An Imminent Or Substantial Threat To Human Health Or The Environment?

☒ No☐ Yes (If Yes, Please Explain Below)

I

STATEMENT OF CERTIFICATION

Pursuant to Indiana Code 13-7-8.9-7, your application to the Voluntary Remediation Program (VRP) will receive confidential treatment. Neither the application nor any information which comes from the application will be made available to the public. However, any material submitted to or generated by the VRP after your notification of eligibility, will be considered IDEM public record.

Ray White, Midwest Manager, Site Remediation
for AlliedSignal

I, _____, Do Hereby Attest And Certify That The
(Print Or TypeName)

Information Included Herein Is, To The Best Of My Knowledge And Belief, Accurate And Complete.

Signature

May 26, 1998

Date

J

APPENDICES INFORMATION

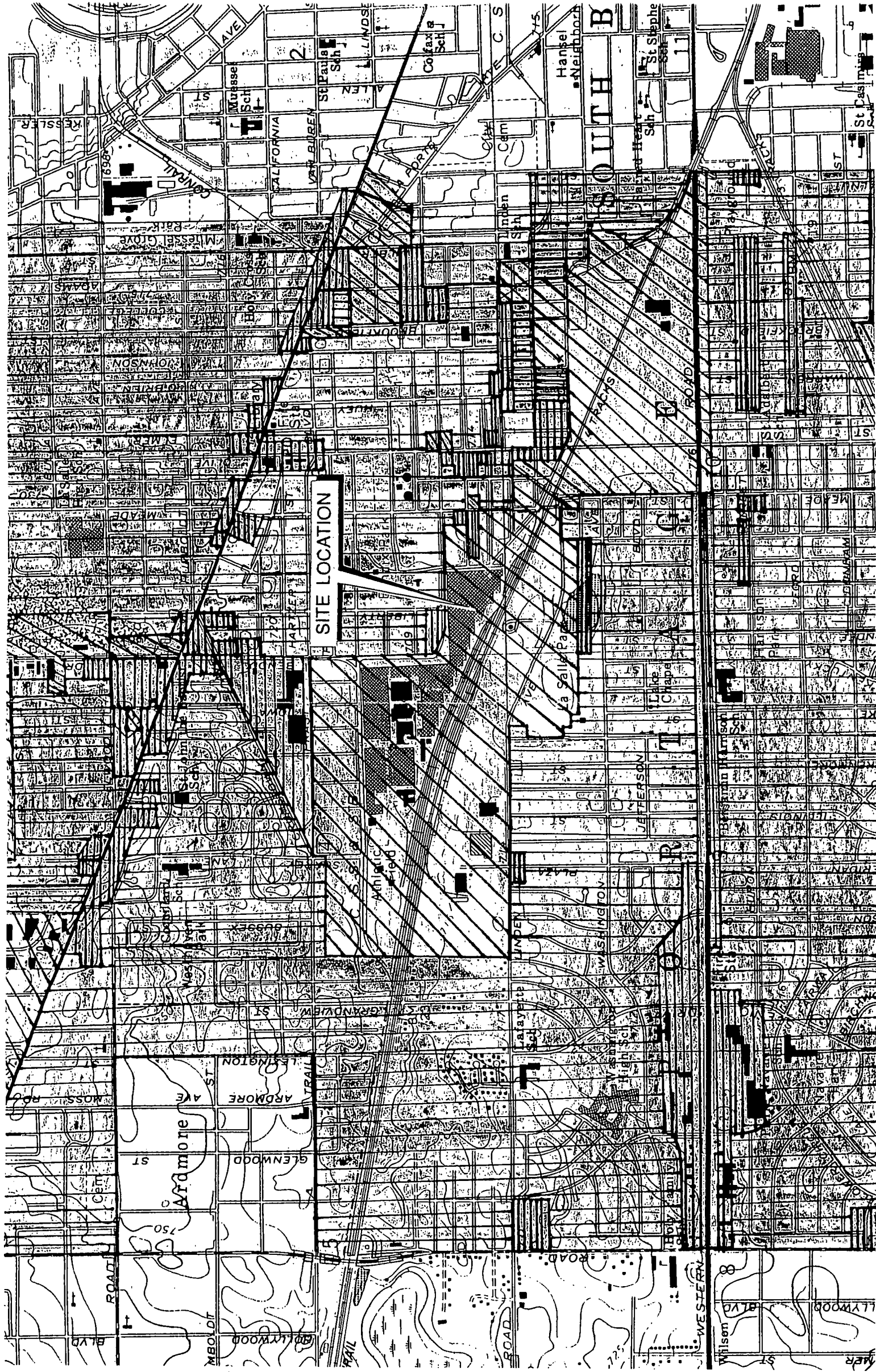
This Voluntary Application will not be considered complete unless the following Appendices are included:

APPENDIX A. SITE MAP

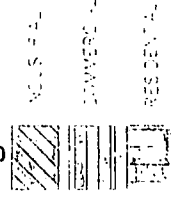
APPENDIX B. LEGAL DESCRIPTION

APPENDIX C. MISCELLANEOUS (IF NEEDED)

ATTACHMENT "A"



Legend



SOURCE: St. Joseph County Dept. of Planning & Development

FIGURE 2 - 1
LAND USE MAP
VOLUNTARY SITE INVESTIGATION
ALLIEDSIGNAL INDUSTRIAL COMPLEX
SOUTH BEND, INDIANA

ATTACHMENT "B"

ATTACHMENT "C"

Analytical Summary - VOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1A

Date: 11/25/97

CONSTITUENT	Units in mg/kg	SITE	03GP001	03GP001	03GP001	03GP001	03GP001	03GP002
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary
Toluene	1			<0.25	<7.2	[11]	<0.25	<0.25
Ethyl benzene	14			<0.25	<7.2	5.1	<0.25	<0.25
Xylene (Total)	200			<0.25	11	15	<0.25	<0.25
Isopropylbenzene	3270			<0.25	<7.2	3.6	<0.25	<0.25
n-Propylbenzene	3270			<0.25	<7.2	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3			<0.25	<7.2	[3.8]	<0.25	<0.25
Naphthalene	81.76			<0.25	1.9#	6.7	0.37	<0.25
2-Methylnaphthalene	130			<0.5	6.1#	20	<0.5	<0.5
1,1-Dichloroethane	204.4			0.28	<7.2	0.17	<0.1	0.16
1,1-Dichloroethene	0.14			<0.1	<7.2	[0.15]	<0.1	<0.1
1,2-Dichloroethane	1.4			<0.1	<7.2	0.12	<0.1	<0.1
cis-1,2-Dichloroethane	1.4			0.86	[7.4]	[4.1]	<0.1	0.49
trans-1,2-Dichloroethane	2.0			<0.1	<7.2	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0			0.31	[9.1]	[11]	0.33	1.3
Chlorobenzene	2.0			<0.1	<7.2	0.12	<0.1	<0.1
Methylene chloride	0.1			<0.1	<7.2	<0.1	<0.1	<0.1
Tetrachloroethane	0.1			[0.1]	[17]	[23]	[0.27]	<0.1
Trichloroethane	0.1			[0.48]	<7.2	[0.34]	<0.1	[1]
Vinyl chloride	0.04			<0.1	<7.2	[0.67]	<0.1	<0.1

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported. [] = Greater than Action Level

For RCL VOC

Analytical Summary - VOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1B

Date: 11/25/97

CONSTITUENT	Units in mg/kg)	SITE	03GP002	03GP002	03GP003	03GP003	03GP004
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Primary	Primary	Primary
Toluene	1		< 0.25	< 0.25	< 0.25	< 0.25	0.28
Ethyl benzene	14		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Xylene (Total)	200		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Isopropylbenzene	3270		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
n-Propylbenzene	3270		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,3,5-Trimethylbenzene	1.3		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Naphthalene	81.76		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene	130		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	204.4		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	0.14		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	1.4		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
cis-1,2-Dichloroethane	1.4		< 0.1	0.35	< 0.1	0.12	0.15
trans-1,2-Dichloroethane	2.0		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1-Trichloroethane	4.0		0.18	0.2	< 0.1	0.26	0.23
Chlorobenzene	2.0		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methylene chloride	0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	0.1		< 0.1	< 0.1	< 0.1	< 0.1	[0.27]
Trichloroethene	0.1		[0.62]	[0.96]	[0.11]	[0.33]	[0.19]
Vinyl chloride	0.04		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

[] = Greater than Reporting Level

For RCL VOC

Analytical Summary - VOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1C

Date: 11/25/97

CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP004	03GP004	03GP005	03GP005	03GP005
							09/30/96	09/30/96	10/01/96	10/01/96	10/01/96
							8.00	10.00	4.00	8.00	12.00
							Primary	Primary	Primary	Primary	Primary
Toluene						1	<0.05	<0.25	<0.25	<0.25	<0.25
Ethyl benzene						14	<0.05	<0.25	<0.25	<0.25	<0.25
Xylene (Total)						200	<0.1	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene						3270	<0.01	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene						3270	<0.01	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene						1.3	<0.01	<0.25	<0.25	<0.25	<0.25
Naphthalene						81.76	<0.05#	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene						130	<0.1#	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane						204.4	<0.05	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene						0.14	<0.05	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane						1.4	<0.05	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane						1.4	<0.05	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethane						2.0	<0.05	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane						4.0	<0.05	0.16	<0.1	<0.1	<0.1
Chlorobenzene						2.0	<0.05	<0.1	<0.1	<0.1	<0.1
Methylene chloride						0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene						0.1	[0.15]	[1.2]	<0.1	<0.1	<0.1
Trichloroethene						0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Vinyl chloride						0.04	<0.1	<0.1	<0.1	<0.1	<0.1

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent in more than one test method, highest result reported. [] = Greater than Action Level

For RCL VOC

Analytical Summary - VOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
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Date: 11/25/97

CONSTITUENT	SITE (Units in mg/kg)	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP006 10/01/96	03GP006 10/01/96	03GP006 10/01/96	03GP007 10/01/96	03GP007 10/01/96
						Primary	Primary	Primary	Primary	Primary
Toluene	1					< 2.5	< 2.5	< 1	0.43	< 0.25
Ethyl benzene	14					< 2.5	< 2.5	< 1	1.4	0.89
Xylene (Total)	200					< 2.5	< 2.5	< 1	2.2	0.61
Isopropylbenzene	3270					< 2.5	< 2.5	< 1	0.48	0.55
n-Propylbenzene	3270					< 2.5	< 2.5	< 1	< 0.25	< 0.25
1,3,5-Trimethylbenzene	1.3					< 2.5	< 2.5	< 1	0.44	0.42
Naphthalene	81.76					< 2.5	< 2.5	< 1	0.34	< 0.25
2-Methylnaphthalene	130					< 5	< 5	< 2	< 0.5	< 0.5
1,1-Dichloroethane	204.4					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane	0.14					[6.9]	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	1.4					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
cis-1,2-Dichloroethane	1.4					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethane	2.0					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1-Trichloroethane	4.0					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorobenzene	2.0					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methylene chloride	0.1					< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	0.1					< 0.1	< 0.1	[2.5]	< 0.1	< 0.1
Trichloroethene	0.1					[29]	[48]	[19]	< 0.1	< 0.1
Vinyl chloride	0.04					< 1	< 1	< 0.4	< 0.1	< 0.1

Values represent total concentrations unless noted < = Not detected at indicated reporting limit -- = Not analyzed

[] = Greater than Reporting Level

For RCL VOC

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CONSTITUENT	Units in mg/kg	SITE	03GP007	03GP008	03GP008	03GP008	03GP008	03GP008
DATE	DEPTH (ft)	RESULT TYPE	RBSL	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
				Primary	Primary	Primary	Primary	Duplicate
Toluene	1		0.46	<0.25	<0.25	<0.25	<0.25	<0.25
Ethyl benzene	14		0.83	<0.25	<0.25	<0.25	<0.25	<0.25
Xylene (Total)	200		0.91	<0.25	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene	3270		0.36	<0.25	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene	3270		<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3		0.58	<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene	81.76		0.85	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130		0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	204.4		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene	0.14		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene	1.4		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene	2.0		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene	2.0		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride	0.04		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT	(Units in mg/kg)	SITE	03GP009	03GP009	03GP009	03GP010	03GP010
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Primary	Primary	Primary
Toluene	1		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Ethyl benzene	14		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Xylene (Total)	200		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Isopropylbenzene	3270		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
n-Propylbenzene	3270		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,3,5-Trimethylbenzene	1.3		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Naphthalene	81.76		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene	130		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	204.4		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1-Trichloroethane	0.14		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	1.4		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
cis-1,2-Dichloroethane	1.4		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethane	2.0		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1-Trichloroethane	4.0		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorobenzene	2.0		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methylene chloride	0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene	0.1		< 0.1	< 0.1	< 0.1	< 0.1	[0.18]
Vinyl chloride	0.04		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

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[] = Greater than Reporting Level

For RCL VOC

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CONSTITUENT	(Units in mg/kg)	SITE	03GP010	03GP011	03GP011	03GP011	03GP011	03GP011
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary
Toluene	1		<0.25	[2.5]	<0.05	<0.25	<0.25	<0.25
Ethyl benzene	14		<0.25	4.9	<0.05	<0.25	<0.25	<0.25
Xylene (Total)	200		<0.25	12	<0.1	<0.25	<0.25	<0.25
Isopropylbenzene	3270		<0.25	4.7	<0.01	<0.25	<0.25	<0.25
n-Propylbenzene	3270		<0.25	<0.25	<0.01	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene	1.3		<0.25	<0.25	<0.01	<0.25	<0.25	<0.25
Naphthalene	81.76		<0.25	1.3	<0.05#	<0.25	<0.25	<0.25
2-Methylnaphthalene	130		<0.5	7	<0.1#	<0.5	<0.5	<0.5
1,1-Dichloroethane	204.4		<0.1	0.93	<0.05	<0.1	<0.1	<0.1
1,1-Dichloroethane	0.14		<0.1	<0.1	<0.05	<0.1	[1]	[1]
1,2-Dichloroethane	1.4		<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane	1.4		[1.5]	[1.7]	<0.05	0.22	<0.1	<0.1
trans-1,2-Dichloroethane	2.0		<0.1	0.11	<0.05	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0		<0.1	0.74	0.23	0.31	0.4	0.4
Chlorobenzene	2.0		<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Methylene chloride	0.1		<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Tetrachloroethene	0.1		<0.1	[0.24]	[0.57]	[0.29]	[0.3]	[0.3]
Trichloroethene	0.1		[0.52]	[0.52]	[0.24]	[1.7]	[2.1]	[2.1]
Vinyl chloride	0.04		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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 # = Constituent in more than one test method, highest result reported. [] = Greater than Action Level

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CONSTITUENT	(Units in mg/kg)	SITE DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP012 10/02/96	03GP012 10/02/96	03GP012 10/02/96	03GP013 10/02/96	03GP013 10/02/96
Toluene					1	0.73	<0.25	<0.6	<0.25	[13]
Ethyl benzene					14	0.53	<0.25	<0.6	<0.25	<2.6
Xylene (Total)					200	1.3	<0.25	<0.6	<0.25	11
Isopropylbenzene					3270	0.59	<0.25	<0.6	<0.25	<2.6
n-Propylbenzene					3270	<0.25	<0.25	<0.6	<0.25	<2.6
1,3,5-Trimethylbenzene					1.3	<0.25	<0.25	<0.6	<0.25	<2.6
Naphthalene					81.76	<0.25	<0.25	<0.6	<0.25	<2.6
2-Methylnaphthalene					130	<0.5	<0.5	<1	<0.5	<5.2
1,1-Dichloroethane					204.4	0.7	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane					0.14	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane					1.4	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane					1.4	0.23	<0.1	0.24	0.43	[26]
trans-1,2-Dichloroethane					2.0	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane					4.0	0.11	1.8	2.2	0.47	[37]
Chlorobenzene					2.0	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride					0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene					0.1	<0.1	[0.41]	<0.1	[2.1]	[55]
Trichloroethene					0.1	[0.16]	[10]	[19]	[1.8]	[70]
Vinyl chloride					0.04	<0.1	<0.1	<0.24	<0.1	<1

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP013	03GP014	03GP014	03GP014	03GP014
							10/02/96	10/03/96	10/03/96	10/03/96	10/03/96
							18.00	4.00	8.00	12.00	16.00
							Primary	Primary	Primary	Primary	Primary
Toluene						1	[5]	<0.05	[150]	[47]	[42]
Ethyl benzene						14	1.5	<0.05	<60	<26	<15
Xylene (Total)						200	6.3	<0.05	<60	<26	<15
Isopropylbenzene						3270	0.61	<0.05	<60	<26	<15
n-Propylbenzene						3270	<0.55	<0.05	<60	<26	<15
1,3,5-Trimethylbenzene						1.3	<0.55	<0.05	<60	<26	<15
Naphthalene						81.76	<0.55	<0.05#	<60	<26	<15
2-Methylnaphthalene						130	<1.1	<0.1#	<120	<52	<30
1,1-Dichloroethane						204.4	<0.1	<0.05	<0.1	<0.1	<0.1
1,1-Dichloroethane						0.14	[0.57]	<0.05	<0.1	<0.1	<0.1
1,2-Dichloroethane						1.4	0.3	<0.05	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane						1.4	[12]	[56]	<0.1	<0.1	<0.1
trans-1,2-Dichloroethane						2.0	0.41	<0.05	<0.1	<0.1	<0.1
1,1,1-Trichloroethane						4.0	[14]	<0.05	[290]	<0.1	[17]
Chlorobenzene						2.0	<0.1	<0.05	<0.1	<0.1	<0.1
Methylene chloride						0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Tetrachloroethene						0.1	[20]	<0.05	[170]	[48]	[16]
Trichloroethene						0.1	[22]	<0.05	[1500]	[300]	[200]
Vinyl chloride						0.04	<0.22	<0.1	<24	<10	<6

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CONSTITUENT	(Units in mg/kg)	SITE	03GP015	03GP015	03GP015	03GP015	03GP015	03GP015
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Primary	Primary	Duplicate	Primary
Toluene	1		<0.68	<0.53	<0.6 *	0.28	[1]	<0.62
Ethyl benzene	14		<0.68	<0.53	<0.6 *	<0.25	<0.62	<0.62
Xylene (Total)	200		<0.68	<0.53	<0.6 *	0.35	<0.62	<0.62
Isopropylbenzene	3270		<0.68	<0.53	<0.6 *	<0.25	<0.62	<0.62
n-Propylbenzene	3270		<0.68	<0.53	<0.6 *	<0.25	<0.62	<0.62
1,3,5-Trimethylbenzene	1.3		<0.68	<0.53	<0.6 *	<0.25	<0.62	<0.62
Naphthalene	81.76		<0.68	<0.53	<0.6 *	<0.25	<0.62	<0.62
2-Methylnaphthalene	130		<1.4	<1.1	<1.2 *	<0.5	<1.2	<1.2
1,1-Dichloroethane	204.4		<0.1	<0.1	<0.1 *	<0.1	2.2	<0.1
1,1-Dichloroethane	0.14		<0.1	<0.1	<0.1 *	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4		<0.1	<0.1	<0.1 *	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane	1.4		0.89	<0.1	<0.1 *	0.42	[12]	<0.1
trans-1,2-Dichloroethane	2.0		<0.1	<0.1	<0.1 *	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0		1.5	0.48	0.75 *	1.2	<0.1	<0.1
Chlorobenzene	2.0		<0.1	<0.1	<0.1 *	<0.1	<0.1	<0.1
Methylene chloride	0.1		<0.1	<0.1	<0.1 *	<0.1	<0.1	<0.1
Tetrachloroethene	0.1		<0.1	<0.1	<0.1 *	[0.11]	<0.1	<0.1
Trichloroethene	0.1		[6]	[0.71]	<0.1 *	[3.4]	[1.3]	<0.1
Vinyl chloride	0.04		<0.27	<0.21	<0.24 *	<0.1	<0.25	<0.25

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[I] = Greater than Reporting Level

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CONSTITUENT	(Units in mg/kg)	SITE	03GP015	03GP016	03GP016	03GP016	03GP017
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Primary	Primary	Primary
Toluene	1		[2.5]	<0.25	<0.62	<0.6	<0.25
Ethyl benzene	14		<1.2	<0.25	<0.62	<0.6	<0.25
Xylene (Total)	200		<1.2	<0.25	<0.62	<0.6	<0.25
Isopropylbenzene	3270		<1.2	<0.25	<0.62	<0.6	<0.25
n-Propylbenzene	3270		<1.2	<0.25	<0.62	<0.6	<0.25
1,3,5-Trimethylbenzene	1.3		<1.2	<0.25	<0.62	<0.6	<0.25
Naphthalene	81.76		<1.2	<0.25	<0.62	<0.6	<0.25
2-Methylnaphthalene	130		<2.5	<0.5	<1.2	<1.2	<0.5
1,1-Dichloroethane	204.4		0.84	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane	0.14		<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane	1.4		<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane	1.4		[23]	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethane	2.0		<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane	4.0		[6.5]	<0.1	0.85	0.39	<0.1
Chlorobenzene	2.0		<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride	0.1		[7.6]	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene	0.1		<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene	0.1		[16]	<0.1	<0.1	[0.69]	<0.1
Vinyl chloride	0.04		<0.49	<0.1	<0.25	<0.24	<0.1

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SITE		03GP017		03GP017		03GP017		03GP018		03GP018	
CONSTITUENT	(Units in mg/kg)	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP017	10/04/96	10/04/96	10/04/96	10/25/96	10/25/96
						Primary	12.00	15.00	Primary	Primary	Primary
						Duplicate					
Toluene		1				<0.25	<0.25	[21]	<0.25	<0.25	<0.25
Ethyl benzene		14				<0.25	<0.25	[74]	<0.25	<0.25	<0.25
Xylene (Total)		200				0.31 J	<0.25	160	<0.25	<0.25	<0.25
Isopropylbenzene		3270				<0.25	<0.25	13	<0.25	<0.25	<0.25
n-Propylbenzene		3270				<0.25	<0.25	8.1	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene		1.3				<0.25	<0.25	[44]	<0.25	<0.25	<0.25
Naphthalene		81.76				<0.25	<0.25	9	<0.25	<0.25	<0.25
2-Methylnaphthalene		130				<0.5	<0.5	24	<0.5	<0.5	<0.5
1,1-Dichloroethane		204.4				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethene		0.14				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane		1.4				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethene		1.4				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethene		2.0				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane		4.0				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene		2.0				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride		0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene		0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene		0.1				<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride		0.04				<0.1	<0.1	<2.5	<0.1	<0.1	<0.1

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[J] = Greater than Reporting Level

For RCL VOC

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CONSTITUENT	(Units in mg/kg)	SITE DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP019 10/28/96	03GP019 10/28/96	03GP019 10/28/96	03GP020 10/28/96	03GP020 10/28/96
						4.00	8.00	12.00	4.00	8.00
						Primary	Primary	Primary	Primary	Primary
Toluene					1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Ethyl benzene					14	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Xylene (Total)					200	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Isopropylbenzene					3270	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
n-Propylbenzene					3270	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
1,3,5-Trimethylbenzene					1.3	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Naphthalene					81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene					130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane					204.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethane					0.14	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane					1.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
cis-1,2-Dichloroethane					1.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethane					2.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,1,1-Trichloroethane					4.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chlorobenzene					2.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methylene chloride					0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene					0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene					0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl chloride					0.04	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

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For RCL VOC

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CONSTITUENT	(Units in mg/kg)	SITE	03GP020	03GP021	03GP022	03GP022
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Primary	Primary
Toluene	1		< 0.25	< 0.25	< 0.25	< 0.25
Ethyl benzene	14		< 0.25	< 0.25	< 0.25	< 0.25
Xylene (Total)	200		< 0.25	< 0.25	< 0.25	< 0.25
Isopropylbenzene	3270		< 0.25	< 0.25	< 0.25	< 0.25
n-Propylbenzene	3270		< 0.25	< 0.25	< 0.25	< 0.25
1,3,5-Trimethylbenzene	1.3		< 0.25	< 0.25	< 0.25	< 0.25
Naphthalene	81.76		< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene	130		< 0.5	< 0.5	< 0.5	< 0.5
1,1-Dichloroethane	204.4		< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethene	0.14		< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	1.4		< 0.1	< 0.1	< 0.1	< 0.1
cis-1,2-Dichloroethene	1.4		< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene	2.0		< 0.1	< 0.1	< 0.1	< 0.1
1,1,1-Trichloroethane	4.0		< 0.1	< 0.1	< 0.1	< 0.1
Chlorobenzene	2.0		< 0.1	< 0.1	< 0.1	< 0.1
Methylene chloride	0.1		< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	0.1		< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene	0.1		< 0.1	< 0.1	< 0.1	< 0.1
Vinyl chloride	0.04		< 0.1	< 0.1	< 0.1	< 0.1

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP022	10/28/96	03GP022	10/28/96	08GP004	10/08/96	08GP004	10/08/96	08GP004	10/08/96
							12.00	Primary	12.00	Duplicate	8.00	Primary	12.00	Primary	16.00	Primary
Toluene						1	<0.25		<0.25		<0.25		<0.25		<0.25	
Ethyl benzene						14	<0.25		<0.25		<0.25		<0.25		<0.25	
Xylene (Total)						200	<0.25		<0.25		<0.25		<0.25		<0.25	
Isopropylbenzene						3270	<0.25		<0.25		<0.25		<0.25		<0.25	
n-Propylbenzene						3270	<0.25		<0.25		<0.25		<0.25		<0.25	
1,3,5-Trimethylbenzene						1.3	<0.25		<0.25		<0.25		<0.25		<0.25	
Naphthalene						81.76	<0.25		<0.25		<0.25		<0.25		<0.25	
2-Methylnaphthalene						130	<0.5		<0.5		<0.5		<0.5		<0.5	
1,1-Dichloroethane						204.4	<0.1		<0.1		<0.1		<0.1		<0.1	
1,1,1-Trichloroethane						0.14	<0.1		<0.1		<0.1		<0.1		<0.1	
1,2-Dichloroethane						1.4	<0.1		<0.1		<0.1		<0.1		<0.1	
cis-1,2-Dichloroethane						1.4	<0.1		<0.1		<0.1		<0.1		<0.1	
trans-1,2-Dichloroethane						2.0	<0.1		<0.1		<0.1		<0.1		<0.1	
1,1,1-Trichloroethane						4.0	<0.1		<0.1		<0.1		<0.1		<0.1	
Chlorobenzene						2.0	<0.1		<0.1		<0.1		<0.1		<0.1	
Methylene chloride						0.1	<0.1		<0.1		<0.1		<0.1		<0.1	
Tetrachloroethene						0.1	<0.1		<0.1		<0.1		<0.1		<0.1	
Trichloroethene						0.1	<0.1		<0.1		<0.1		<0.1		<0.1	
Vinyl chloride						0.04	<0.1		<0.1		<0.1		<0.1		<0.1	

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For RCL VOC

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CONSTITUENT	(Units in mg/kg)	SITE	11GP001	11GP001	11GP002	11GP002	11GP003
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Primary	Primary	Primary
Toluene	1			< 0.25	< 0.53	< 0.25	< 0.25
Ethyl benzene	14			< 0.25	< 0.53	< 0.25	< 0.25
Xylene (Total)	200			< 0.25	< 0.53	< 0.25	< 0.25
Isopropylbenzene	3270			< 0.25	< 0.53	< 0.25	< 0.25
n-Propylbenzene	3270			< 0.25	< 0.53	< 0.25	< 0.25
1,3,5-Trimethylbenzene	1.3			< 0.25	< 0.53	< 0.25	< 0.25
Naphthalene	81.76			< 0.25	< 0.53	< 0.25	< 0.25
2-Methylnaphthalene	130			< 0.5	< 1.1	< 0.5	< 0.5
1,1-Dichloroethane	204.4			< 0.1	< 0.1	< 0.1	< 0.1
1,1-Dichloroethene	0.14			< 0.1	< 0.1	< 0.1	< 0.1
1,2-Dichloroethane	1.4			< 0.1	< 0.1	< 0.1	< 0.1
cis-1,2-Dichloroethene	1.4			< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene	2.0			< 0.1	< 0.1	< 0.1	< 0.1
1,1,1-Trichloroethane	4.0			< 0.1	< 0.1	< 0.1	< 0.1
Chlorobenzene	2.0			< 0.1	< 0.1	< 0.1	< 0.1
Methylene chloride	0.1			< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	0.1			< 0.1	< 0.1	< 0.1	< 0.1
Trichloroethene	0.1			[0.68]	[1.4]	[0.37]	< 0.1
Vinyl chloride	0.04			< 0.1	< 0.21	< 0.1	< 0.1

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[] = Greater than Action Level

For RCL VOC

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CONSTITUENT	(Units in mg/kg)	SITE		DEPTH (ft)	RESULT TYPE	RBSL	11GP003		11GP004		11GP005			
		DATE	DATE				10/04/96	10/04/96	10/04/96	10/04/96				
											8.00	12.00	4.00	9.00
							Primary	Primary	Primary	Primary	Primary	Primary		
Toluene						1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25		
Ethyl benzene						14	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25		
Xylene (Total)						200	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25		
Isopropylbenzene						3270	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25		
n-Propylbenzene						3270	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25		
1,3,5-Trimethylbenzene						1.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25		
Naphthalene						81.76	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25		
2-Methylnaphthalene						130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
1,1-Dichloroethane						204.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
1,1-Dichloroethene						0.14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
1,2-Dichloroethane						1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
cis-1,2-Dichloroethene						1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
trans-1,2-Dichloroethene						2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
1,1,1-Trichloroethane						4.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Chlorobenzene						2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Methylene chloride						0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Tetrachloroethene						0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
Trichloroethene						0.1	<0.1	[0.28]	[0.18] B	[0.24]	[0.23] B	[0.23] B		
Vinyl chloride						0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		

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For RCL VOC

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CONSTITUENT	SITE (Units in mg/kg)	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP005				11GP006			
						10/04/96	12.00	Primary	10/04/96	10/04/96	8.00	12.00	Primary
Toluene					1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Ethyl benzene					14	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Xylene (Total)					200	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene					3270	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene					3270	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene					1.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene					81.76	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene					130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane					204.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane					0.14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane					1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane					1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethane					2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane					4.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene					2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride					0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethene					0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethene					0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride					0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP007	11GP007	11GP007	11GP008	11GP008	11GP008
							10/05/96	10/05/96	10/05/96	10/16/96	10/16/96	10/16/96
							8.00	12.00	15.00	4.00	8.00	8.00
							Primary	Primary	Primary	Primary	Primary	Primary
Toluene						1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Ethyl benzene						14	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Xylene (Total)						200	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Isopropylbenzene						3270	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
n-Propylbenzene						3270	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
1,3,5-Trimethylbenzene						1.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Naphthalene						81.76	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene						130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane						204.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1-Dichloroethane						0.14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,2-Dichloroethane						1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
cis-1,2-Dichloroethane						1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
trans-1,2-Dichloroethane						2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1,1,1-Trichloroethane						4.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chlorobenzene						2.0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Methylene chloride						0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Tetrachloroethane						0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Trichloroethane						0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Vinyl chloride						0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

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CONSTITUENT	SITEL	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP008				11GP009				11GP009				11GP010			
						10/16/96				11/13/96				11/13/96				11/13/96			
						Primary				Primary				Primary				Primary			
						Primary				Primary				Primary				Primary			
Toluene					1	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25			
Ethyl benzene					14	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25			
Xylene (Total)					200	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25			
Isopropylbenzene					3270	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25			
n-Propylbenzene					3270	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25			
1,3,5-Trimethylbenzene					1.3	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25			
Naphthalene					81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25			
2-Methylnaphthalene					130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
1,1-Dichloroethane					204.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
1,1-Dichloroethene					0.14	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
1,2-Dichloroethane					1.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
cis-1,2-Dichloroethene					1.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
trans-1,2-Dichloroethene					2.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
1,1,1-Trichloroethane					4.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
Chlorobenzene					2.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
Methylene chloride					0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
Tetrachloroethene					0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
Trichloroethene					0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			
Vinyl chloride					0.04	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1			

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

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CONSTITUENT (Units in mg/kg)	SITE		DEPTH (ft)	RESULT TYPE	RBSL	11GP010	
	DATE	12/17/96				12/17/96	12/17/96
		8.00	12.00			Primary	Primary
Toluene		1				<0.25	<0.25
Ethyl benzene		14				<0.25	<0.25
Xylene (Total)		200				<0.25	<0.25
Isopropylbenzene		3270				<0.25	<0.25
n-Propylbenzene		3270				<0.25	<0.25
1,3,5-Trimethylbenzene		1.3				<0.25	<0.25
Naphthalene		81.76				<0.25	<0.25
2-Methylnaphthalene		130				<0.5	<0.5
1,1-Dichloroethane		204.4				<0.1	<0.1
1,1-Dichloroethene		0.14				<0.1	<0.1
1,2-Dichloroethane		1.4				<0.1	<0.1
cis-1,2-Dichloroethene		1.4				<0.1	<0.1
trans-1,2-Dichloroethene		2.0				<0.1	<0.1
1,1,1-Trichloroethane		4.0				<0.1	<0.1
Chlorobenzene		2.0				<0.1	<0.1
Methylene chloride		0.1				<0.1	<0.1
Tetrachloroethene		0.1				<0.1	<0.1
Trichloroethene		0.1				<0.1	<0.1
Vinyl chloride		0.04				<0.1	<0.1

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CONSTITUENT	(Units in mg/kg)	SITE DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP001 09/30/96	03GP001 09/30/96	03GP001 09/30/96	03GP001 09/30/96	03GP002 09/30/96
Bis (2-ethylhexyl)- Phthalate					1406	---	1.3	---	---	---
Phenanthrene					0.52	---	0.38	---	---	---
Naphthalene					81.76	<0.25	1.9#	6.7	0.37	<0.25
2-Methylnaphthalene					130	<0.5	6.1#	20	<0.5	<0.5
2-Methylphenol					102.2	---	2.3	---	---	---
2,4-Dimethylphenol					7.4	---	1.1	---	---	---
4-Methylphenol					102.2	---	1.7	---	---	---
Phenol						---	0.41	---	---	---
Pyrene					61.32	---	0.34	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent more than one test method, highest result reported.

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP002	09/30/96	03GP002	09/30/96	03GP003	09/30/96	03GP003	09/30/96	03GP004	09/30/96
Bis (2-ethylhexyl)- Phthalate						1406	---	---	---	---	---	---	---	---	---	---
Phenanthrene						0.52	---	---	---	---	---	---	---	---	---	---
Naphthalene						81.76	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene						130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylphenol						102.2	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol						7.4	---	---	---	---	---	---	---	---	---	---
4-Methylphenol						102.2	---	---	---	---	---	---	---	---	---	---
Phenol							---	---	---	---	---	---	---	---	---	---
Pyrene						61.32	---	---	---	---	---	---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP004	03GP004	03GP005	03GP005	03GP005
							09/30/96	09/30/96	10/01/96	10/01/96	10/01/96
							8.00	10.00	4.00	8.00	12.00
							Primary	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate						1406	0.72	---	---	---	---
Phenanthrene						0.52	<0.33	---	---	---	---
Naphthalene						81.76	<0.05#	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene						130	<0.1#	<0.5	<0.5	<0.5	<0.5
2-Methylphenol						102.2	<0.33	---	---	---	---
2,4-Dimethylphenol						7.4	<0.33	---	---	---	---
4-Methylphenol						102.2	<0.33	---	---	---	---
Phenol							<0.33	---	---	---	---
Pyrene						61.32	<0.33	---	---	---	---

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 # = Constituent more than one test method, highest result reported.

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CONSTITUENT (Units in mg/kg)	SITE DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP006				03GP007			
					10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
					6.00	10.00	18.00	4.00	8.00	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate				1406	---	---	---	---	---	---	---	---
Phenanthrene				0.52	---	---	---	---	---	---	---	---
Naphthalene				81.76	< 2.5	< 2.5	< 1	0.34	< 0.25	---	---	---
2-Methylnaphthalene				130	< 5	< 5	< 2	< 0.5	< 0.5	---	---	---
2-Methylphenol				102.2	---	---	---	---	---	---	---	---
2,4-Dimethylphenol				7.4	---	---	---	---	---	---	---	---
4-Methylphenol				102.2	---	---	---	---	---	---	---	---
Phenol					---	---	---	---	---	---	---	---
Pyrene				61.32	---	---	---	---	---	---	---	---

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP007	03GP008	03GP008	03GP008	03GP008
							10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
							Primary	Primary	Primary	Primary	Duplicate
Bis (2-ethylhexyl)- Phthalate						1406	---	---	---	---	---
Phenanthrene						0.52	---	---	---	---	---
Naphthalene						81.76	0.85	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene						130	0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol						102.2	---	---	---	---	---
2,4-Dimethylphenol						7.4	---	---	---	---	---
4-Methylphenol						102.2	---	---	---	---	---
Phenol							---	---	---	---	---
Pyrene						61.32	---	---	---	---	---

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CONSTITUENT	(Units in mg/kg)	SITE		DEPTH (ft)	RESULT TYPE	RBSL	03GP009		03GP009		03GP010		03GP010	
		DATE	DATE				10/02/96	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96	10/02/96
Bis (2-ethylhexyl)- Phthalate						1406	---	---	---	---	---	---	---	---
Phenanthrene						0.52	---	---	---	---	---	---	---	---
Naphthalene						81.76	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene						130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylphenol						102.2	---	---	---	---	---	---	---	---
2,4-Dimethylphenol						7.4	---	---	---	---	---	---	---	---
4-Methylphenol						102.2	---	---	---	---	---	---	---	---
Phenol							---	---	---	---	---	---	---	---
Pyrene						61.32	---	---	---	---	---	---	---	---

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CONSTITUENT (Units in mg/kg)	SITE		RBSL	03GP010		03GP011		03GP011		03GP011	
	DATE	DEPTH (ft)		10/02/96	12.00	10/02/96	6.00	10/02/96	14.00	10/02/96	22.00
RESULT TYPE				Primary		Primary		Primary		Primary	Primary
Bis (2-ethylhexyl)- Phthalate			1406	---		0.5	---	---		---	---
Phenanthrene			0.52	---		<0.33	---	---		---	---
Naphthalene			81.76	<0.25		<0.05#	1.3	<0.25		<0.25	<0.25
2-Methylnaphthalene			130	<0.5		<0.1#	7	<0.5		<0.5	<0.5
2-Methylphenol			102.2	---		<0.33	---	---		---	---
2,4-Dimethylphenol			7.4	---		<0.33	---	---		---	---
4-Methylphenol			102.2	---		<0.33	---	---		---	---
Phenol				---		<0.33	---	---		---	---
Pyrene			61.32	---		<0.33	---	---		---	---

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= Constituent more than one test method, highest result reported.

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CONSTITUENT	(Units in mg/kg)	SITE DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP012 10/02/96	03GP012 10/02/96	03GP012 10/02/96	03GP013 10/02/96	03GP013 10/02/96
						8.00	16.00	20.00	8.00	12.00
						Primary	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate					1406	---	---	---	---	---
Phenanthrene					0.52	---	---	---	---	---
Naphthalene					81.76	< 0.25	< 0.25	< 0.6	< 0.25	< 2.6
2-Methylnaphthalene					130	< 0.5	< 0.5	< 1	< 0.5	< 5.2
2-Methylphenol					102.2	---	---	---	---	---
2,4-Dimethylphenol					7.4	---	---	---	---	---
4-Methylphenol					102.2	---	---	---	---	---
Phenol						---	---	---	---	---
Pyrene					61.32	---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

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CONSTITUENT	SITE (Units in mg/kg)	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP013 10/02/96 18.00 Primary	03GP014 10/03/96 4.00 Primary	03GP014 10/03/96 8.00 Primary	03GP014 10/03/96 12.00 Primary	03GP014 10/03/96 16.00 Primary
Bis (2-ethylhexyl)- Phthalate					1406	---	ND	---	---	---
Phenanthrene					0.52	---	ND	---	---	---
Naphthalene					81.76	<0.55	<0.05#	<60	<26	<15
2-Methylnaphthalene					130	<1.1	<0.1#	<120	<52	<30
2-Methylphenol					102.2	---	ND	---	---	---
2,4-Dimethylphenol					7.4	---	ND	---	---	---
4-Methylphenol					102.2	---	ND	---	---	---
Phenol						---	ND	---	---	---
Pyrene					61.32	---	ND	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

= Constituent more than one test method, highest result reported. ND = Not Detected

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP015 10/03/96	03GP015 10/03/96	03GP015 10/03/96	03GP015 10/03/96	03GP015 10/03/96
							Primary	Primary	Primary	Duplicate	Primary
Bis (2-ethylhexyl)- Phthalate						1406	---	---	---	---	---
Phenanthrene						0.52	---	---	---	---	---
Naphthalene						81.76	< 0.68	< 0.53	< 0.6 *	< 0.25	< 0.62
2-Methylnaphthalene						130	< 1.4	< 1.1	< 1.2 *	< 0.5	< 1.2
2-Methylphenol						102.2	---	---	---	---	---
2,4-Dimethylphenol						7.4	---	---	---	---	---
4-Methylphenol						102.2	---	---	---	---	---
Phenol							---	---	---	---	---
Pyrene						61.32	---	---	---	---	---

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CONSTITUENT	(Units in mg/kg)	SITE DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP015 10/03/96	03GP016 10/03/96	03GP016 10/03/96	03GP016 10/03/96	03GP017 10/04/96
						20.00	8.00	14.00	8.00	
						Primary	Primary	Primary	Primary	
Bis (2-ethylhexyl)- Phthalate					1406	---	---	---	---	---
Phenanthrene					0.52	---	---	---	---	---
Naphthalene					81.76	< 1.2	< 0.25	< 0.62	< 0.6	< 0.25
2-Methylnaphthalene					130	< 2.5	< 0.5	< 1.2	< 1.2	< 0.5
2-Methylphenol					102.2	---	---	---	---	---
2,4-Dimethylphenol					7.4	---	---	---	---	---
4-Methylphenol					102.2	---	---	---	---	---
Phenol						---	---	---	---	---
Pyrene					61.32	---	---	---	---	---

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CONSTITUENT	Units in mg/kg	SITE	03GP017	03GP017	03GP017	03GP018	03GP018
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Duplicate	Primary	Primary
Bis (2-ethylhexyl)- Phthalate	1406		---	---	---	---	---
Phenanthrene	0.52		---	---	---	---	---
Naphthalene	81.76		<0.25	<0.25	<0.25	<0.25	<0.25
2-Methylnaphthalene	130		<0.5	<0.5	24	<0.5	<0.5
2-Methylphenol	102.2		---	---	---	---	---
2,4-Dimethylphenol	7.4		---	---	---	---	---
4-Methylphenol	102.2		---	---	---	---	---
Phenol			---	---	---	---	---
Pyrene	61.32		---	---	---	---	---

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CONSTITUENT	SITE (Units in mg/kg)	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP019			03GP020		
						10/28/96	10/28/96	10/28/96	10/28/96	10/28/96	10/28/96
						4.00	8.00	12.00	4.00	8.00	Primary
						Primary	Primary	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate					1406	---	---	---	---	---	---
Phenanthrene					0.52	---	---	---	---	---	---
Naphthalene					81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene					130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol					102.2	---	---	---	---	---	---
2,4-Dimethylphenol					7.4	---	---	---	---	---	---
4-Methylphenol					102.2	---	---	---	---	---	---
Phenol						---	---	---	---	---	---
Pyrene					61.32	---	---	---	---	---	---

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CONSTITUENT	Units in mg/kg	SITE	03GP020	03GP021	03GP021	03GP022	03GP022
		DATE	10/28/96	10/28/96	10/28/96	10/28/96	10/28/96
DEPTH (ft)			14.00	4.00	8.00	4.00	8.00
RESULT TYPE	RBSL		Primary	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate	1406		---	---	---	---	---
Phenanthrene	0.52		---	---	---	---	---
Naphthalene	81.76		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene	130		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol	102.2		---	---	---	---	---
2,4-Dimethylphenol	7.4		---	---	---	---	---
4-Methylphenol	102.2		---	---	---	---	---
Phenol			---	---	---	---	---
Pyrene	61.32		---	---	---	---	---

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CONSTITUENT	(Units in mg/kg)	SITE	03GP022	03GP022	08GP004	08GP004	08GP004
		DATE	10/28/96	10/28/96	10/08/96	10/08/96	10/08/96
DEPTH (ft)		12.00	12.00	12.00	8.00	12.00	16.00
RESULT TYPE	RBSL	Primary	Duplicate	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate	1406	---	---	---	---	---	---
Phenanthrene	0.52	---	---	---	---	---	---
Naphthalene	81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene	130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol	102.2	---	---	---	---	---	---
2,4-Dimethylphenol	7.4	---	---	---	---	---	---
4-Methylphenol	102.2	---	---	---	---	---	---
Phenol		---	---	---	---	---	---
Pyrene	61.32	---	---	---	---	---	---

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CONSTITUENT	Units in mg/kg	SITE	11GP005	11GP005	11GP006	11GP006	11GP006
		DATE	10/04/96	10/04/96	10/04/96	10/04/96	10/04/96
		DEPTH (ft)	8.00	12.00	4.00	8.00	12.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
		RBSL					
Bis (2-ethylhexyl)- Phthalate		1406	---	---	---	---	---
Phenanthrene		0.52	---	---	---	---	---
Naphthalene		81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene		130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol		102.2	---	---	---	---	---
2,4-Dimethylphenol		7.4	---	---	---	---	---
4-Methylphenol		102.2	---	---	---	---	---
Phenol			---	---	---	---	---
Pyrene		61.32	---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - SVOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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Date: 11/25/97

CONSTITUENT	Units in mg/kg	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP007		11GP007		11GP008		11GP008	
							10/05/96	Primary	10/05/96	Primary	10/16/96	Primary	10/16/96	Primary
Bis (2-ethylhexyl)- Phthalate						1406	---	---	---	---	---	---	---	---
Phenanthrene						0.52	---	---	---	---	---	---	---	---
Naphthalene						81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene						130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol						102.2	---	---	---	---	---	---	---	---
2,4-Dimethylphenol						7.4	---	---	---	---	---	---	---	---
4-Methylphenol						102.2	---	---	---	---	---	---	---	---
Phenol							---	---	---	---	---	---	---	---
Pyrene						61.32	---	---	---	---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - SVOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP008	11GP009	11GP009	11GP009	11GP010
							10/16/96	11/13/96	11/13/96	11/13/96	12/17/96
							12.00	4.00	10.00	12.00	4.00
							Primary	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate						1406	---	---	---	---	---
Phenanthrene						0.52	---	---	---	---	---
Naphthalene						81.76	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene						130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol						102.2	---	---	---	---	---
2,4-Dimethylphenol						7.4	---	---	---	---	---
4-Methylphenol						102.2	---	---	---	---	---
Phenol						---	---	---	---	---	---
Pyrene						61.32	---	---	---	---	---

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Analytical Summary - SVOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
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CONSTITUENT	(Units in mg/kg)	SITE		11GP010		11GP010	
		DATE		12/17/96		12/17/96	
		DEPTH (ft)		8.00		12.00	
		RESULT TYPE	RBSL	Primary	Primary		
Bis (2-ethylhexyl)- Phthalate			1406	---	---	---	
Phenanthrene			0.52	---	---	---	
Naphthalene			81.76	<0.25	<0.25	<0.25	
2-Methylnaphthalene			130	<0.5	<0.5	<0.5	
2-Methylphenol			102.2	---	---	---	
2,4-Dimethylphenol			7.4	---	---	---	
4-Methylphenol			102.2	---	---	---	
Phenol				---	---	---	
Pyrene			61.32	---	---	---	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - TPH/DROs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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SITE	DATE	DEPTH (ft)	RESULT TYPE	DRO/TPH 8015(SC REEN) (mg/kg)
RBSL				
03GP001	09/30/96	4.00	Primary	6400 PI
03GP001	09/30/96	8.00	Primary	6000 PI
03GP001	09/30/96	12.00	Primary	58
03GP002	09/30/96	2.00	Primary	157 PI
03GP002	09/30/96	8.00	Primary	<10
03GP002	09/30/96	12.00	Primary	<10
03GP003	09/30/96	4.00	Primary	13
03GP003	09/30/96	6.00	Primary	<10
03GP004	09/30/96	2.00	Primary	3300 PI
03GP004	09/30/96	10.00	Primary	3100 PI
03GP005	10/01/96	4.00	Primary	<10
03GP005	10/01/96	8.00	Primary	<10
03GP005	10/01/96	12.00	Primary	<10
03GP006	10/01/96	6.00	Primary	3800 PI
03GP006	10/01/96	10.00	Primary	29
03GP006	10/01/96	18.00	Primary	1100 PI
03GP007	10/01/96	4.00	Primary	12
03GP007	10/01/96	8.00	Primary	<10
03GP007	10/01/96	14.00	Primary	6700 PI
03GP008	10/01/96	2.00	Primary	270 PI
03GP008	10/01/96	6.00	Primary	<10
03GP008	10/01/96	8.00	Primary	<10
03GP008	10/01/96	8.00	Duplicate	<10
03GP009	10/02/96	4.00	Primary	<10
03GP009	10/02/96	8.00	Primary	<10
03GP009	10/02/96	10.00	Primary	<10
03GP010	10/02/96	4.00	Primary	<10
03GP010	10/02/96	6.00	Primary	<10
03GP010	10/02/96	12.00	Primary	<10
03GP011	10/02/96	6.00	Primary	770 PI
03GP011	10/02/96	14.00	Primary	250 PI
03GP011	10/02/96	22.00	Primary	190 PI
03GP012	10/02/96	8.00	Primary	5500 PI

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For RCL TPH/DRO

Analytical Summary - TPH/DROs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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SITE	DATE	DEPTH (ft)	RESULT TYPE	DRO/TPH 8015(SC REEN) (mg/kg)
RBSL				
03GP012	10/02/96	16.00	Primary	<10
03GP012	10/02/96	20.00	Primary	<10
03GP013	10/02/96	8.00	Primary	<10
03GP013	10/02/96	12.00	Primary	<10
03GP013	10/02/96	18.00	Primary	<10
03GP014	10/03/96	8.00	Primary	360 PI
03GP014	10/03/96	12.00	Primary	890 PI
03GP014	10/03/96	16.00	Primary	24
03GP015	10/03/96	8.00	Primary	24
03GP015	10/03/96	12.00	Primary	<10
03GP015	10/03/96	14.00	Primary	28
03GP015	10/03/96	14.00	Duplicate	<10
03GP016	10/03/96	4.00	Primary	10
03GP016	10/03/96	8.00	Primary	11
03GP016	10/03/96	14.00	Primary	<10
03GP017	10/04/96	8.00	Primary	22
03GP017	10/04/96	12.00	Primary	44 J
03GP017	10/04/96	12.00	Duplicate	540
03GP017	10/04/96	15.00	Primary	73
03GP018	10/25/96	8.00	Primary	<10
03GP018	10/25/96	12.00	Primary	<10
03GP019	10/28/96	4.00	Primary	36
03GP019	10/28/96	8.00	Primary	<10
03GP019	10/28/96	12.00	Primary	<10
03GP020	10/28/96	4.00	Primary	74
03GP020	10/28/96	8.00	Primary	<10
03GP020	10/28/96	14.00	Primary	24
03GP021	10/28/96	4.00	Primary	14
03GP021	10/28/96	8.00	Primary	22
03GP022	10/28/96	4.00	Primary	<10
03GP022	10/28/96	8.00	Primary	<10
03GP022	10/28/96	12.00	Primary	<10
03GP022	10/28/96	12.00	Duplicate	<10

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For RCL TPH/DRO

Analytical Summary - TPH/DROs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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SITE	DATE	DEPTH (ft)	RESULT TYPE	DRO/TPH 8015(SC REEN) (mg/kg)
RBSL				
08GP004	10/08/96	8.00	Primary	<10
08GP004	10/08/96	12.00	Primary	<10
08GP004	10/08/96	16.00	Primary	<10
11GP001	10/03/96	4.00	Primary	<10
11GP001	10/03/96	8.00	Primary	<10
11GP002	10/03/96	4.00	Primary	<10
11GP002	10/03/96	8.00	Primary	<10
11GP003	10/04/96	4.00	Primary	<10
11GP003	10/04/96	8.00	Primary	<10
11GP003	10/04/96	12.00	Primary	<10
11GP004	10/04/96	4.00	Primary	<10
11GP004	10/04/96	9.00	Primary	<10
11GP005	10/04/96	4.00	Primary	<10
11GP005	10/04/96	8.00	Primary	<10
11GP005	10/04/96	12.00	Primary	<10
11GP006	10/04/96	4.00	Primary	<10
11GP006	10/04/96	8.00	Primary	17
11GP006	10/04/96	12.00	Primary	<10
11GP007	10/05/96	8.00	Primary	<10
11GP007	10/05/96	12.00	Primary	<10
11GP007	10/05/96	15.00	Primary	740
11GP008	10/16/96	4.00	Primary	<10
11GP008	10/16/96	8.00	Primary	<10
11GP008	10/16/96	12.00	Primary	<10
11GP009	11/13/96	4.00	Primary	15
11GP009	11/13/96	10.00	Primary	12
11GP009	11/13/96	12.00	Primary	<10
11GP010	12/17/96	4.00	Primary	<10
11GP010	12/17/96	8.00	Primary	<10
11GP010	12/17/96	12.00	Primary	<10

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For RCL TPH/DRO

Analytical Summary - PCBs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP001	03GP004	03GP011	03GP014	03GP014
						09/30/96	09/30/96	10/02/96	10/03/96	07/17/97
						6.00	8.00	8.00	4.00	1.00
						Primary	Primary	Primary	Primary	Primary
PCB-1254					10	< 9.6 PI	< 0.33	< 0.33	0.97	< 0.33
PCB-1248					10	[260] PI	1.5	< 0.33	0.73	3.9

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

|| = Greater than Action Level

For RCL PCB

Analytical Summary - PCBs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	Units in mg/kg	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP015	03GP042	03GP043	03GP044	03GP044
							07/17/97	06/07/97	06/07/97	06/07/97	07/14/97
							1.00	4.00	4.00	2.00	1.00
							Primary	Primary	Primary	Primary	Primary
PCB-1254						10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.40
PCB-1248						10	< 0.33	[240]	2.8	[15]	6.4

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[] = Greater than Action Level

For RCL PCB

Analytical Summary - PCBs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	Units in mg/kg	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP044	03GP045	03GP045	03GP046	03GP047
							07/17/97	06/07/97	07/17/97	06/07/97	06/07/97
							1.00	14.00	1.00	8.00	12.00
							Primary	Primary	Primary	Primary	Primary
PCB-1254						10	<0.86	<0.33	<0.33	<0.33	<0.33
PCB-1248						10	9.1	[21000]	1.1	0.91	[17]

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[] = Greater than Action Level

For RCL PCB

Analytical Summary - PCBs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
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CONSTITUENT	Units in mg/kg	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP048	03GP049	03GP050	03GP050	03GP051
							06/07/97	06/07/97	06/07/97	07/14/97	06/07/97
							4.00	10.00	2.00	1.00	4.00
							Primary	Primary	Primary	Primary	Primary
PCB-1254						10	< 0.33	< 0.33	< 0.33	< 0.46	< 0.33
PCB-1248						10	< 0.33	< 0.33	6.4	9.0	< 0.33

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Analytical Summary - PCBs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
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CONSTITUENT	Units in mg/kg	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP051	03GP052	03HA053	03HA054	03HA055
							07/14/97	06/07/97	07/14/97	07/14/97	07/17/97
				1.00	Primary	10	8.5	6.00	1.00	1.00	1.00
							Primary	Primary	Primary	Primary	Primary
PCB-1254						10	8.5	< 0.33	< 5.30	< 0.36	< 0.33
PCB-1248						10	0.43	< 0.33	[96]	4.9	< 0.33

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[] = Greater than Reporting Level

For RCL PCB

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 II = Greater than Action Level
 For RCL PCB

Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
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CONSTITUENT	(Units in mg/kg)	SITE	03GP001	03GP001	03GP001	03GP001	03GP001	03GP001	03GP002
DATE	DEPTH (ft)	RESULT TYPE	RBSL	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96	09/30/96
				4.00	6.00	8.00	12.00	2.00	
				Primary	Primary	Primary	Primary	Primary	Primary
Arsenic, Total	438.00		7.2	3.8 J	1.4	1.5	7.7		
Barium, Total	10000		119	24	8.9	3.8	33		
Cadmium, Total	730.00		<1	<1	<1	<1	<1		
Chromium, Total			10	12	<5	<5	57		
Copper, Total	170000		14	11	3.9	3.6	19		
Lead, Total	400		19	8.9	<5	<5	36		
Mercury, Total	87.6		0.15	<0.1	<0.1	<0.1	0.7		
Nickel, Total	10000		13	13	5.2	2.3	7.8		
Selenium, Total	7300		0.77	<0.5 J	0.51	<0.5	<0.5		
Silver, Total	7300		1.2	2.4	<1	<1	1		
Zinc, Total	1000000		77	36	16	13	43		

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 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	03GP002	03GP002	03GP003	03GP003	03GP004
DATE	DEPTH (ft)	RESULT TYPE	RBSL	09/30/96	09/30/96	09/30/96	09/30/96
				8.00	4.00	6.00	2.00
				Primary	Primary	Primary	Primary
Arsenic, Total	438.00			4	2.7	1.3	6.8
Barium, Total	10000			14	15	4.2	41
Cadmium, Total	730.00			<1	<1	<1	<1
Chromium, Total				5.7	5.5	<5	10
Copper, Total	170000			8.2	11	3	15
Lead, Total	400			<5	6	<5	26
Mercury, Total	87.6			<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000			4.9	7.3	2.4	5.1
Selenium, Total	7300			<0.5	<0.5	<0.5	1
Silver, Total	7300			<1	<1	<1	3.2
Zinc, Total	1000000			10	26	12	31

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Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	03GP004	03GP004	03GP005	03GP005	03GP005
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)
RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE
RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL
Arsenic, Total	438.00	4	1.7	2.8	3.3	1.5	
Barium, Total	10000	8.5	5.6	13	39	4	
Cadmium, Total	730.00	<1	1.4	<1	1.8	<1	
Chromium, Total		<5	<5	<5	7.6	<5	
Copper, Total	170000	13	9.5	3	9.6	3.6	
Lead, Total	400	<5	<5	<5	<5	<5	
Mercury, Total	87.6	<0.1	<0.1	<0.1	<0.1	<0.1	
Nickel, Total	10000	6.4	5.5	2.2	28	3.4	
Selenium, Total	7300	<0.5	<0.5	<0.5	<0.5	<0.5	
Silver, Total	7300	<1	<1	1.3	1.4	<1	
Zinc, Total	1000000	19	37	7.4	154	20	

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Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	Units in mg/kg	SITE	03GP006	03GP006	03GP006	03GP007	03GP007
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Primary	Primary	Primary
Arsenic, Total	438.00		2.8	1.1	2	1.4	1
Barium, Total	10000		29	5.4	36	26	5.1
Cadmium, Total	730.00		<1	<1	<1	<1	<1
Chromium, Total			<5	8.3	13	6.5	<5
Copper, Total	170000		18	7.4	11	6.9	5.7
Lead, Total	400		<5	<5	6.4	6.1	<5
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000		3.6	6.2	12	5.2	4.3
Selenium, Total	7300		0.75	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300		2.3	1.7	1.8	1.1	<1
Zinc, Total	1000000		12	17	45	18	17

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL INORG

Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP007			03GP008			03GP008			03GP008		
							10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96	10/01/96
							14.00	2.00	6.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
							Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate
Arsenic, Total						438.00	1.9	4.5	0.76	0.55	0.52							
Barium, Total						10000	8.1	30	4.3	4.7	4.3							
Cadmium, Total						730.00	<1	<1	<1	<1	<1							
Chromium, Total							9	53	<5	<5	<5							
Copper, Total						170000	6	15	3.9	2.9	2.6							
Lead, Total						400	<5	27	<5	<5	<5							
Mercury, Total						87.6	<0.1	0.16	<0.1	<0.1	<0.1							
Nickel, Total						10000	4.5	7.2	7.2	12	16							
Selenium, Total						7300	<0.5	<0.5	<0.5	<0.5	<0.5							
Silver, Total						7300	1.1	1.4	<1	<1	<1							
Zinc, Total						1000000	20	41	53	29	44							

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Analytical Summary - Inorganics In Soils
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 AlliedSignal Industrial Complex
 South Bend, Indiana

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CONSTITUENT	(Units in mg/kg)	SITE	03GP009	03GP009	03GP009	03GP010	03GP010
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)
RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE
Arsenic, Total	438.00	0.75	1.7	4	0.82	0.65	
Barium, Total	10000	4.3	4.8	61	4.1	3.3	
Cadmium, Total	730.00	<1	<1	<1	<1	<1	
Chromium, Total		<5	<5	12	<5	<5	
Copper, Total	170000	3.7	3.8	23	3.1	2.4	
Lead, Total	400	<5	<5	8	<5	<5	
Mercury, Total	87.6	<0.1	<0.1	<0.1	<0.1	<0.1	
Nickel, Total	10000	3.7	2.7	19	2.6	1.9	
Selenium, Total	7300	<0.5	<0.5	<0.5	<0.5	<0.5	
Silver, Total	7300	<1	<1	<1	<1	<1	
Zinc, Total	1000000	9.8	12	52	9.1	7.3	

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For RCL INORG

Analytical Summary - Inorganics In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
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CONSTITUENT	(Units in mg/kg)	SITE		RBSL	DEPTH (ft)	RESULT TYPE	03GP011			
		DATE	DATE				03GP010	03GP011	03GP011	03GP011
							10/02/96	10/02/96	10/02/96	10/02/96
							12.00	6.00	14.00	22.00
							Primary	Primary	Primary	Primary
Arsenic, Total	438.00	4.9	4.1	5.8	3.2					
Barium, Total	10000	7.7	42	21	12					
Cadmium, Total	730.00	<1	<1	<1	<1					
Chromium, Total		<5	17	7.2	13					
Copper, Total	170000	3.6	22	6.8	7.6					
Lead, Total	400	<5	18	13	<5					
Mercury, Total	87.6	<0.1	0.2	<0.1	<0.1					
Nickel, Total	10000	3	6.5	3.5	12					
Selenium, Total	7300	<0.5	<0.5	0.57	<0.5					
Silver, Total	7300	<1	<1	2.6	<1					
Zinc, Total	1000000	10	37	14	43					

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	03GP013	03GP014	03GP014	03GP014	03GP014
							10/02/96	10/03/96	10/03/96	10/03/96	10/03/96
							18.00	4.00	8.00	12.00	16.00
							Primary	Primary	Primary	Primary	Primary
Arsenic, Total						438.00	1.4	2.4	1.2	0.79	2.2
Barium, Total						10000	6	28	40	3.6	12
Cadmium, Total						730.00	<1	<1	<1	<1	<1
Chromium, Total							12	10	7.2	<5	<5
Copper, Total						170000	4.4	35	4.8	2.4	5.2
Lead, Total						400	<5	21	5	<5	<5
Mercury, Total						87.6	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total						10000	3.1	6.4	4.4	2.3	5.2
Selenium, Total						7300	<0.5	<0.57	<0.5	<0.5	<0.5
Silver, Total						7300	<1	1.07	<1	<1	1
Zinc, Total						1000000	12	517 J	11	9.3	18

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? = Duplicate, ? = found, Data review required.

For RCL INOR

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CONSTITUENT	Units in mg/Kg	SITE	03GP015	03GP015	03GP015	03GP015	03GP016
		DATE	10/03/96	10/03/96	10/03/96	10/03/96	10/03/96
DEPTH (ft)			8.00	12.00	14.00	14.00	4.00
RESULT TYPE	RBSL		Primary	Primary	Primary	Duplicate	Primary
Arsenic, Total	438.00		3.4	0.88	2.5	1.3	5.1
Barium, Total	10000		60	5.1	5.1	4.8	35
Cadmium, Total	730.00		1	<1	<1	<1	<1
Chromium, Total			9.1	<5	<5	<5	5.1
Copper, Total	170000		28	2.3	2.9	2.6	20
Lead, Total	400		84	<5	<5	<5	24
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000		11	2.3	3.2	3	6
Selenium, Total	7300		1.1	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300		1.2	<1	<1	<1	1.7
Zinc, Total	1000000		48	8.8	11	13	36

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CONSTITUENT	(Units in mg/kg)	SITE	03GP016	03GP016	03GP017	03GP017	03GP017
DATE	DEPTH (ft)	RESULT TYPE	RBSL	Primary	Primary	Primary	Duplicate
Arsenic, Total	438.00		4.5	2.6	2.7	3.3 J	1.4
Barium, Total	10000		38	20	17	5	5.1
Cadmium, Total	730.00		<1	<1	<1	<1	<1
Chromium, Total			7.6	15	<5	<5	<5
Copper, Total	170000		8.7	5.7	4.6	5.5	5.1
Lead, Total	400		6.5	<5	<5	<5	<5
Mercury, Total	87.6		<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000		8.1	5.3	5.6	4.4	3.7
Selenium, Total	7300		<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300		1.3	1	<1	<1	<1
Zinc, Total	1000000		30	21	16	15	12

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CONSTITUENT	(Units in mg/kg)	SITE	03GP017	03GP018	03GP018	03GP019	03GP019
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)
RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE
RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL
Arsenic, Total	438.00	3.5	1.7	1.6	5.3	4.6	
Barium, Total	10000	15	13	7.1	16	50	
Cadmium, Total	730.00	<1	<1	<1	<1	<1	
Chromium, Total		<5	<5	<5	5.4	9.8	
Copper, Total	170000	7.5	2.9	3.9	6.3	9.1	
Lead, Total	400	<5	<5	<5	6.6	<5	
Mercury, Total	87.6	<0.1	<0.1	<0.1	<0.1	<0.1	
Nickel, Total	10000	6.5	5.2	4.3	3.9	15	
Selenium, Total	7300	<0.5	<0.5	<0.5	<0.5	<0.5	
Silver, Total	7300	1.3	<1	<1	2	1.4	
Zinc, Total	1000000	24	23	24	12	70	

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CONSTITUENT	(Units in mg/kg)	SITE	03GP019	03GP020	03GP020	03GP020	03GP020	03GP021
DATE	DEPTH (ft)	RESULT TYPE	RBSL	10/28/96	10/28/96	10/28/96	10/28/96	10/28/96
				Primary	Primary	Primary	Primary	Primary
Arsenic, Total	438.00			0.84	2.2	4.3	2.8	1.7
Barium, Total	10000			4.3	12	9.1	8.6	4.2
Cadmium, Total	730.00			<1	<1	<1	<1	<1
Chromium, Total				<5	<5	<5	8.1	<5
Copper, Total	170000			3	11	4.3	5.2	4.6
Lead, Total	400			<5	<5	<5	<5	<5
Mercury, Total	87.6			<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000			4.2	8.5	1.9	7.2	4.8
Selenium, Total	7300			<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300			<1	1.6	<1	<1	<1
Zinc, Total	1000000			12	52	<5	21	11

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CONSTITUENT	(Units in mg/kg)	SITE		RBSL	RESULT TYPE	03GP021		03GP022		03GP022		03GP022	
		DATE	DEPTH (ft)			10/28/96	8.00	10/28/96	4.00	10/28/96	8.00	10/28/96	12.00
						Primary	Primary	Primary	Primary	Primary	Primary	Primary	Duplicate
Arsenic, Total				438.00		3.8		0.63		2.4		4.3	1.9
Barium, Total				10000		11		19		38		2.8	2.8
Cadmium, Total				730.00		<1		<1		<1		<1	<1
Chromium, Total						<5		<5		7.3		<5	<5
Copper, Total				170000		6.3		3.9		7.7		3	2.7
Lead, Total				400		<5		5		<5		<5	<5
Mercury, Total				87.6		<0.1		<0.1		<0.1		<0.1	<0.1
Nickel, Total				10000		5.7		3.8		9.1		2.8	2.7
Selenium, Total				7300		<0.5		<0.5		<0.5		<0.5	<0.5
Silver, Total				7300		<1		<1		1.4		<1	<1
Zinc, Total				1000000		16		14		22		9.3	9.4

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CONSTITUENT	(Units in mg/kg)	SITE DATE	DEPTH (ft)	RESULT TYPE	RBSL	08GP004 10/08/96	08GP004 10/08/96	08GP004 10/08/96	11GP001 10/03/96	11GP001 10/03/96
						Primary	Primary	Primary	Primary	Primary
Arsenic, Total	438.00	6.4	1.9	0.7	1.8	0.85				
Barium, Total	10000	29	24	5	6	4.6				
Cadmium, Total	730.00	<1	<1	7.6	<1	<1				
Chromium, Total		<5	6.4	5.6	<5	<5				
Copper, Total	170000	5.1	6.9	9.3	6.3	2.6				
Lead, Total	400	<5	<5	<5	5.2	<5				
Mercury, Total	87.6	<0.1	<0.1	<0.1	<0.1	<0.1				
Nickel, Total	10000	8.3	5.5	7.3	4.6	2.4				
Selenium, Total	7300	0.53	<0.5	<0.5	<0.5	<0.5				
Silver, Total	7300	<1	<1	<1	<1	<1				
Zinc, Total	1000000	84	27	60	18	11				

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CONSTITUENT (Units in mg/Kg)	SITE DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP002 10/03/96	11GP002 10/03/96	11GP003 10/04/96	11GP003 10/04/96	11GP003 10/04/96
					4.00	8.00	4.00	8.00	12.00
					Primary	Primary	Primary	Primary	Primary
Arsenic, Total				438.00	2.2	0.85	1.6	0.4	2.5
Barium, Total				10000	5.6	3.8	5.3	3	10
Cadmium, Total				730.00	<1	<1	<1	<1	<1
Chromium, Total					<5	<5	<5	<5	5.5
Copper, Total				170000	3.9	2.3	3.8	3	6.4
Lead, Total				400	<5	<5	<5	<5	<5
Mercury, Total				87.6	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total				10000	5.5	2.2	4.4	2.7	6.9
Selenium, Total				7300	<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total				7300	<1	<1	<1	<1	2.2
Zinc, Total				1000000	13	10	12	6.9	22

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For RCL INORG

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CONSTITUENT	(Units in mg/kg)	SITE		RBSL	RESULT TYPE	11GP004		11GP005		11GP005		11GP005	
		DATE	DEPTH (ft)			10/04/96	10/04/96	10/04/96	10/04/96	10/04/96			
											Primary	Primary	Primary
Arsenic, Total				438.00		1	0.7	1.7	1.9	38			
Barium, Total				10000		4.4	7.9	13	6.1	8.5			
Cadmium, Total				730.00		<1	<1	<1	<1	<1			
Chromium, Total						<5	19	<5	<5	5.4			
Copper, Total				170000		5.3	5	5.5	3.4	5.8			
Lead, Total				400		<5	<5	<5	<5	6			
Mercury, Total				87.6		<0.1	<0.1	<0.1	<0.1	<0.1			
Nickel, Total				10000		4.4	4.5	4	3.3	10			
Selenium, Total				7300		<0.5	<0.5	<0.5	<0.5	<0.5			
Silver, Total				7300		<1	<1	<1	<1	1.4			
Zinc, Total				1000000		13	15	16	12	20			

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CONSTITUENT	(Units in mg/kg)	SITE		DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP006		11GP006		11GP007		11GP007	
		10/04/96	10/04/96					10/04/96	10/04/96	10/04/96	10/04/96	10/05/96	10/05/96	10/05/96	10/05/96
Arsenic, Total	438.00	1.1	2	1.1	1.1	Primary	438.00	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Barium, Total	10000	4.5	6.1	4.5	4.4	Primary	10000	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Cadmium, Total	730.00	<1	<1	<1	<1	Primary	730.00	<1	<1	<1	<1	<1	<1	<1	<1
Chromium, Total	170000	<5	<5	<5	<5	Primary	170000	<5	<5	<5	<5	<5	<5	<5	<5
Copper, Total	400	3.3	4.5	3.3	1.7	Primary	400	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Lead, Total	87.6	<5	<5	<5	<5	Primary	87.6	<5	<5	<5	<5	<5	<5	<5	<5
Mercury, Total	10000	<0.1	<0.1	<0.1	<0.1	Primary	10000	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	7300	2.6	3.6	2.6	2.1	Primary	7300	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Selenium, Total	7300	<0.5	<0.5	<0.5	<0.5	Primary	7300	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total	1000000	<1	<1	<1	<1	Primary	1000000	<1	<1	<1	<1	<1	<1	<1	<1
Zinc, Total		11	17	11	6.8	Primary		11	6.8	6.8	6.8	6.8	6.8	6.8	6.8

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CONSTITUENT	(Units in mg/kg)	SITE	DATE	DEPTH (ft)	RESULT TYPE	RBSL	11GP007	11GP008	11GP008	11GP008	11GP009
							10/05/96	10/16/96	10/16/96	10/16/96	11/13/96
							15.00	4.00	8.00	12.00	4.00
							Primary	Primary	Primary	Primary	Primary
Arsenic, Total		438.00					1.5	0.66	1.2	1.2	0.73
Barium, Total		10000					5.9	4	5.2	9.1	4.6
Cadmium, Total		730.00					<1	<1	<1	<1	<1
Chromium, Total							<5	<5	<5	5	<5
Copper, Total		170000					4.2	2.5	3.4	2.8	3.4
Lead, Total		400					<5	<5	<5	<5	<5
Mercury, Total		87.6					<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total		10000					4.6	2.8	3	4	3.2
Selenium, Total		7300					<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total		7300					1	<1	<1	<1	<1
Zinc, Total		1000000					18	9.1	13	10	11

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CONSTITUENT	Units in mg/kg	SITE	11GP009	11GP010	11GP010	11GP010
DATE	DATE	DATE	DATE	DATE	DATE	DATE
DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)
RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE	RESULT TYPE
RBSL	RBSL	RBSL	RBSL	RBSL	RBSL	RBSL
Arsenic, Total	438.00	1.3	9.4	1	0.82	2.1
Barium, Total	10000	23	77	5.1	4.4	8.8
Cadmium, Total	730.00	<1	<1	<1	<1	<1
Chromium, Total		9.9	16	<5	<5	<5
Copper, Total	170000	8.5	27	3.2	1.8	4.4
Lead, Total	400	<5	11	<5	<5	<5
Mercury, Total	87.6	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	10000	8	24	4.4	2.4	4.7
Selenium, Total	7300	<0.5	<0.5	<0.5	<0.5	<0.5
Silver, Total	7300	1.2	2.1	<1	<1	1.1
Zinc, Total	1000000	23	64	15	8.7	18

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Analytical Summary - VOCs In Groundwater
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CONSTITUENT	(Units in ug/l)	SITE	01CPT002	01CPT002	01CPT002	01CPT004	01CPT005	01CPT005
SAMPLE ID			01CPW00287	01CPW00297	01CPW00458	01CPW00521	01CPW00585	
DATE			11/19/96	11/19/96	11/21/96	12/04/96	12/04/96	
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Vinyl Chloride	2	<2	<2	<2	<2	<10	<10	<10
Ethylbenzene	700	<5	<5	<5	<5	<5	<5	<5
Toluene	1000	<5	<5	<5	<5	<5	<5	<5
Acetone	2100	<100	<100	<100	<100	<100	<100	<100
Naphthalene	4008	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	10220	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	5	<5	<5	<5	<5	<5	<5	<5
cis-1,2-Dichloroethene	70	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethene (Total)		---	---	---	---	---	---	---
1,1,1-Trichloroethane	200	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	5	<5	<5	<5	<5	<5	<5	<5

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 Alleged Former Disposal Area/Carbon Brake Expansion
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CONSTITUENT	(Units in ug/l)	SITE	01CPT014	01CPT014	01CPT014	01CPT014	01CPT014	01CPT014
		SAMPLE ID	01CPW01425	01CPW01435	01COD01435	01CPW01445	01CPW01455	
		DATE	07/23/97	07/23/97	07/23/97	07/23/97	07/23/97	
		RESULT TYPE	Primary	Primary	Duplicate	Primary	Primary	
	RBSL							
Vinyl Chloride	2		<1	<1	<1	<1	<1	<1
Ethylbenzene	700		<1	<1	<1	<1	<1	<1
Toluene	1000		1.3	<1	<1	<1	<1	<1
Acetone	2100		62	<50	<50	<50	<50	<50
Naphthalene	4008		---	---	---	---	---	---
1,1-Dichloroethane	10220		<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	5		<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	70		---	---	---	---	---	---
1,2-Dichloroethene (Total)			<2	<2	<2	<2	<2	<2
1,1,1-Trichloroethane	200		<1	<1	<1	<1	<1	<1
Trichloroethene	5		<1	<1	<1	<1	<1	<1

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CONSTITUENT	Units in ug/l	SITE	01CPT014	01CPT014	01CPT014	01CPT014	03GP005	03GP006
		SAMPLE ID	01CPW01465	01CPW01493	01CPW01478	03PW00521	03PW00521	03PW0620
		DATE	07/24/97	07/24/97	07/24/97	10/25/96	10/25/96	10/01/96
RESULT TYPE	RBSL	Primary	Primary	Primary	Primary	Primary	Primary	Primary
Vinyl Chloride	2	<1	<1	<1	<1	<10	<2	<2
Ethylbenzene	700	<1	<1	<1	<1	<5	<5	<5
Toluene	1000	<1	<1	<1	<1	<5	<5	<5
Acetone	2100	<50	<50	<50	<50	<100	<5	<5
Naphthalene	4008	---	---	---	---	<5	<5	<5
1,1-Dichloroethane	10220	<1	<1	<1	<1	<5	<5	<5
1,2-Dichloroethane	5	<1	<1	<1	<1	<5	<5	<5
cis-1,2-Dichloroethane	70	---	---	---	---	<5	<5	<5
1,2-Dichloroethane (Total)	200	<2	<2	<2	<2	<5	<5	<5
1,1,1-Trichloroethane	5	<1	<1	<1	<1	<5	<5	<5
Trichloroethane	5	<1	<1	<1	<1	<5	<5	[180]

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

[] = Greater than detection Level

For RCL VOCs

Analytical Summary - VOCs In Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1D

Date: 11/25/97

CONSTITUENT	Units in ug/l	SITE	SAMPLE ID	DATE	RESULT TYPE	RBSL	03GP011	03GP012	08GP004	11GP001	11GP003
							03PW1125	03PW1223	08PW00422	11PW0115	11PW00316
							10/02/96	10/02/96	10/08/96	10/03/96	10/04/96
							Primary	Primary	Primary	Primary	Primary
Vinyl Chloride	2						< 2	< 2	< 10	< 100	< 10
Ethylbenzene	700						< 5	< 5	< 5	< 250	6.4
Toluene	1000						< 5	< 5	< 5	< 250	< 5
Acetone	2100						---	---	< 100	---	< 100
Naphthalene	4008						< 5	< 5	< 5	< 250	< 5
1,1-Dichloroethane	10220						< 5	< 5	< 5	< 250	7.7
1,2-Dichloroethane	5						< 5	< 5	< 5	< 250	< 5
cis-1,2-Dichloroethane	70						< 5	[100]	< 5	[2500]	< 5
1,2-Dichloroethane (Total)							---	---	---	---	---
1,1,1-Trichloroethane	200						< 5	17	< 5	[440]	< 5
Trichloroethane	5						< 5	< 5	< 5	< 250	< 5

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 (I) = Greater than Action Level

For RCL VOC1

Analytical Summary - VOCs In Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1E

Date: 11/25/97

CONSTITUENT (Units in ug/l)	SITE		RBSL	RESULT TYPE	DATE	SAMPLE ID		Primary	7-25		Primary	7-25		Primary
Vinyl Chloride			2			11GP006	11GP009							
Ethylbenzene			700			11PW00617	11PW00918							
Toluene			1000			10/04/96	11/13/96							
Acetone			2100											
Naphthalene			4008											
1,1-Dichloroethane			10220											
1,2-Dichloroethane			5											
cis-1,2-Dichloroethane			70											
1,2-Dichloroethane (Total)														
1,1,1-Trichloroethane			200											
Trichloroethane			5											

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

[] = Greater than Reporting Level

For RCL VOC,

Analytical Summary - VOCs In Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1F

Date: 11/25/97

CONSTITUENT	(Units in ug/l)	SITE SAMPLE ID DATE	RBSL	RESULT TYPE	7-25				7-50				MW-2			
					7-25	7-25	07/18/97	Primary	09/25/97	Primary	07/18/97	Primary	12/20/96	Primary	03/18/97	Primary
Vinyl Chloride	2				< 2	< 10	< 2	< 2	< 10	< 2	< 2	< 2	< 2	< 2	< 250	
Ethylbenzene	700				< 5	< 5.0	< 5	< 5	< 5.0	< 5	< 5	< 5	< 5	< 5	< 130	
Toluene	1000				< 5	< 5.0	< 5	< 5	< 5.0	< 5	< 5	< 5	< 5	< 5	< 130	
Acetone	2100				< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 2500	
Naphthalene	4008				---	---	---	---	---	---	---	---	ND#	---	---	
1,1-Dichloroethane	10220				< 5	< 5.0	< 5	< 5	< 5.0	< 5	< 5	< 5	< 5	< 5	< 130	
1,2-Dichloroethane	5				< 5	< 5.0	< 5	< 5	< 5.0	< 5	< 5	< 5	< 5	< 5	< 130	
cis-1,2-Dichloroethene	70				< 5	< 5.0	< 5	< 5	< 5.0	< 5	< 5	< 5	[140]	< 5	[2400]	
1,2-Dichloroethene (Total)	200				2.2	---	---	< 2	---	< 2	< 2	< 2	---	---	---	
1,1,1-Trichloroethane	5				< 5	< 5.0	< 5	< 5	< 5.0	< 5	< 5	< 5	34	< 5	[880]	
Trichloroethene	5				< 5	< 5.0	< 5	< 5	< 5.0	< 5	< 5	< 5	< 5	< 5	[170]	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
 # = Constituent in more than one test method, highest result reported. [] = Greater than Action Level ND = Not Detected
 For RCL VOC1

Analytical Summary - VOCs In Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1G

Date: 11/25/97

CONSTITUENT (Units in ug/l)	SITE SAMPLE ID	DATE	RESULT TYPE	RBSL	MW-2		MW-3	
					06/05/97		12/20/96	
					Primary	Primary	Primary	Primary
Vinyl Chloride				2	< 2	[70]	< 2	< 10
Ethylbenzene				700	< 5	< 25	< 5	< 5
Toluene				1000	< 5	< 25	< 5	< 5
Acetone				2100	< 100	< 500	< 100	< 100
Naphthalene				4008	---	---	< 5	---
1,1-Dichloroethane				10220	260	190	< 5	< 5
1,2-Dichloroethane				5	< 5	[49]	< 5	< 5
cis-1,2-Dichloroethene				70	[3500]	[2600]	[76]	39
1,2-Dichloroethene (Total)					---	---	---	---
1,1,1-Trichloroethane				200	[960]	[500]	9.3	< 5
Trichloroethene				5	< 5	[36]	[6.8]	[6]

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

[] = Greater than Reporting Level

For RCL VOC,

Analytical Summary - VOCs In Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1H

Date: 11/25/97

CONSTITUENT	(Units in ug/l)	SITE		SAMPLE ID	DATE	RESULT TYPE	RBSL	MW-3		MW-3
Vinyl Chloride							2	<2	<10	
Ethylbenzene							700	<5	<5.0	
Toluene							1000	<5	<5.0	
Acetone							2100	<100	<100	
Naphthalene							4008	---	---	
1,1-Dichloroethane							10220	<5	5.0	
1,2-Dichloroethane							5	<5	<5.0	
cis-1,2-Dichloroethene							70	50	57	
1,2-Dichloroethene (Total)							200	---	---	
1,1,1-Trichloroethane							5	7.6	8.6	
Trichloroethene								[6.0]	[8.4]	

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

|| = Greater than Action Level

For RCL VOC1

Page: 1A
Date: 11/12/97

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

[] = Greater than

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Analytical Summary - Inorganics in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1A

Date: 11/12/97

CONSTITUENT	Units in ug/l	SITE	03GP005	03GP006	03GP011	03GP012	11GP001
		SAMPLE ID	03PW00521	03PW0620	03PW1125	03PW1223	11PW0115
		DATE	10/25/96	10/01/96	10/02/96	10/02/96	10/03/96
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
		RBSL					
Cyanide		200	---	---	---	---	---
Barium, Dissolved (Filtered)		2000	28	63	100	89.8	130
Cadmium, Dissolved (Filtered)		5	<0.2	<0.2	<0.2	<0.2	<0.2
Copper, Dissolved (Filtered)		1300	12	<10	<10	<10	<10
Chromium, Total			---	---	---	---	---
Lead, Total			---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - Inorganics in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1B

Date: 11/12/97

CONSTITUENT	Units in ug/l	SITE	11GP003	11GP006	7-25	7-25	7-25	Primary	Primary	Primary	Primary
DATE	RESULT TYPE	RBSL	10/04/96	10/04/96	12/20/96	03/18/97	09/25/97				
			Primary	Primary	Primary	Primary	Primary				
Cyanide		200	---	---	ND	< 5	< 5				
Barium, Dissolved (Filtered)		2000	61	140	55	---	---				
Cadmium, Dissolved (Filtered)		5	< 0.2	< 0.2	0.7	---	---				
Copper, Dissolved (Filtered)		1300	< 10	< 10	< 10	---	---				
Chromium, Total			---	---	---	7	---				
Lead, Total			---	---	---	27	---				

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

ND = Not Detr

For RCL INOR.

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed
ND = Not Detected
For RCL INORG

Analytical Summary - Inorganics in Groundwater
 Alleged Former Disposal Area/Carbon Brake Expansion
 Voluntary Site Investigation
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1D

Date: 11/12/97

CONSTITUENT (Units in ug/l)	SITE	MW-3	MW-3	DATE	RESULT TYPE	RBSL
		MW-3	MW-3	03/18/97	Duplicate	Primary
Cyanide						
Barium, Dissolved (Filtered)						
Cadmium, Dissolved (Filtered)						
Copper, Dissolved (Filtered)						
Chromium, Total						
Lead, Total						

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

Analytical Summary - SVOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1P

Date: 11/25/97

CONSTITUENT	Units in mg/kg	SITE	11GP001	11GP001	11GP002	11GP002	11GP003
		DATE	10/03/96	10/03/96	10/03/96	10/03/96	10/04/96
DEPTH (ft)			4.00	8.00	4.00	8.00	4.00
RESULT TYPE	RBSL		Primary	Primary	Primary	Primary	Primary
Bis (2-ethylhexyl)- Phthalate	1406		---	---	---	---	---
Phenanthrene	0.52		---	---	---	---	---
Naphthalene	81.76		<0.25	<0.25	<0.53	<0.25	<0.25
2-Methylnaphthalene	130		<0.5	<0.5	<1.1	<0.5	<0.5
2-Methylphenol	102.2		---	---	---	---	---
2,4-Dimethylphenol	7.4		---	---	---	---	---
4-Methylphenol	102.2		---	---	---	---	---
Phenol			---	---	---	---	---
Pyrene	61.32		---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed

For RCL SVOC

Analytical Summary - SVOCs In Soils
 Alleged Former Disposal Area/Carbon Brake Expansion
 AlliedSignal Industrial Complex
 South Bend, Indiana

Page: 1Q

Date: 11/25/97

CONSTITUENT	Units in mg/kg	SITE	11GP003	11GP003	11GP004	11GP004	11GP005
		DATE	10/04/96	10/04/96	10/04/96	10/04/96	10/04/96
		DEPTH (ft)	8.00	12.00	4.00	9.00	4.00
		RESULT TYPE	Primary	Primary	Primary	Primary	Primary
	RBSL						
Bis (2-ethylhexyl)- Phthalate	1406		---	---	---	---	---
Phenanthrene	0.52		---	---	---	---	---
Naphthalene	81.76		< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
2-Methylnaphthalene	130		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2-Methylphenol	102.2		---	---	---	---	---
2,4-Dimethylphenol	7.4		---	---	---	---	---
4-Methylphenol	102.2		---	---	---	---	---
Phenol			---	---	---	---	---
Pyrene	61.32		---	---	---	---	---

Values represent total concentrations unless noted < = Not detected at indicated reporting limit --- = Not analyzed



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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(800) 451-6027
www.ai.org/idem

June 19, 1998

Mark Burgess
Camp Dresser & McKee, Inc.
401 Pennsylvannia Parkway, Suite 104
Indianapolis, IN 46280

Dear Mr. Burgess:

Re: Cost Estimate for VRP Site 6980601

The Indiana Department of Environmental Management (IDEM) has determined that the Allied Signal Inc. facility in South Bend, Indiana is eligible for the Voluntary Remediation Program. The VRP site identification number is 6980601. Please reference this number in all future correspondence.

The IDEM needs to complete the technical review of various reports for this site. The Department is reviewing alternative means of accomplishing this task. One such alternative is to assign these projects to a company now under a Master Agreement to provide technical reviews. To evaluate this alternative further, your company, as a party to such a Master Agreement, is being asked to respond to the requests for information set out below.

This is not an Invitation of Bid nor a Request for Proposal under the Indiana Procurement Code, IC 4-13.4-5, et seq. The IDEM creates no obligation, express or implied, by making this request for information or by receipt of any information or documentation submitted pursuantly hereto. Neither this request for information nor anything submitted in response hereto is to be construed as a legal offer. Should the IDEM decide to assign such technical review work under the terms of such a Master Agreement it will do so at its sole discretion. Under the provisions of the Master Agreement an assignment is made upon the proper execution of a "Supplement to Master Agreement." The Master Agreement does not obligate the IDEM to assign a certain number of projects or any projects at all to your company. Any assignment of work under the Master Agreement is solely at the discretion of the IDEM.

Enclosed is a copy of the sites' VRP application. Please remember that the application, and its information, is confidential and may not be discussed outside the IDEM.

Please prepare a cost estimate for the technical review of the following documents for the site:

- Phase II Investigation Report
- Remediation Work Plan
- Risk Assessment Review
- Remediation Completion Report

Work to Be Performed

1. Provide Technical Support for the VRP project. This will include the technical review of the previously mentioned reports, the interpretation of collected data, and serve in an advisory role to the assigned IDEM VRP Project Manager.
2. If requested, the assigned VRP Project Manager may call upon your company for the collection of confirmatory split samples. However, estimating sampling costs before the review of a Remediation Work Plan is difficult. Sampling costs estimates will be handled through a "Addendum to the Master Supplement Agreement" that your company will submit to the IDEM.
3. For the purposes of cost estimates, please include two (2) site visits.
4. We expect a formal written review within thirty days of document receipt (should you require additional time, please contact the assigned VRP Project Manager).

Cost Estimate Response Format

Your submittal will not be considered complete, and will be ineligible for award, if you do not include all of the information as requested below. With regard the VRP site, please include the following:

1. A statement of interest in the VRP project. Specify in writing, if a conflict of interest exists with the VRP applicant, its parent company, subsidiaries, and/or contractors that preclude your company from our selection process.
2. A narrative that demonstrates the company's understanding of the project. This should include a description of your company's approach to the project. Please include the professional level of designated staff for the project activities.
3. Specific information regarding your company's qualifications and staff experience in performing the technical reviews for the VRP.
4. If applicable, company qualifications and staff experience in performing human health and ecological risk assessments. Reference company and staff experience with the formulation and technical review of site-specific baseline risk assessments.
5. A detailed cost proposal must include:
 - The subtotals for conducting each task outlined above; and
 - A total project cost
6. A schedule for conducting the report reviews.

The IDEM will evaluate the information packages with regards to the following:

- | | |
|---|--|
| ☐ Overall & Itemized Costs | ☐ Narrative Approach to Project |
| ☐ Similar Project Experience | ☐ Human Health & Ecological Risk Assessment Experience |
| ☐ Familiarity with VRP Process | ☐ Quality of Past VRP Project Performance, <i>if applicable</i> |

Mark Burgess, Camp, Dresser & McKee Inc.
VRP Cost Estimate Request
Site #6980401 Page 3

Please note that if your proposal is selected, The IDEM will hold you to the staff effort identified in your proposal. Failure to comply with your proposal statements may result in a reduction in payment or nonpayment. However, if the scope of work changes at these sites, we will request that you submit amended cost estimate proposals to cover these unforeseen project activities.

I will expect to receive a cost estimates within two (2) weeks of your receipt of this correspondence. If questions arise, please contact Steve Browning at 317-308-3066.

Sincerely,



Ed Joniskan, Project Manager
Voluntary Remediation Program
Office of Environmental Response

Enclosure



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June 19, 1998

Mark Burgess
Camp Dresser & McKee, Inc.
401 Pennsylvannia Parkway, Suite 104
Indianapolis, IN 46280

Dear Mr. Burgess:

Re: Cost Estimate for VRP Site 6980601

The Indiana Department of Environmental Management (IDEM) has determined that the Allied Signal Inc. facility in South Bend, Indiana is eligible for the Voluntary Remediation Program. The VRP site identification number is 6980601. Please reference this number in all future correspondence.

The IDEM needs to complete the technical review of various reports for this site. The Department is reviewing alternative means of accomplishing this task. One such alternative is to assign these projects to a company now under a Master Agreement to provide technical reviews. To evaluate this alternative further, your company, as a party to such a Master Agreement, is being asked to respond to the requests for information set out below.

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Enclosed is a copy of the sites' VRP application. Please remember that the application, and its information, is confidential and may not be discussed outside the IDEM.

Please prepare a cost estimate for the technical review of the following documents for the site:

- Phase II Investigation Report
- Remediation Work Plan
- Risk Assessment Review
- Remediation Completion Report

Work to Be Performed

1. Provide Technical Support for the VRP project. This will include the technical review of the previously mentioned reports, the interpretation of collected data, and serve in an advisory role to the assigned IDEM VRP Project Manager.
2. If requested, the assigned VRP Project Manager may call upon your company for the collection of confirmatory split samples. However, estimating sampling costs before the review of a Remediation Work Plan is difficult. Sampling costs estimates will be handled through a "Addendum to the Master Supplement Agreement" that your company will submit to the IDEM.
3. For the purposes of cost estimates, please include two (2) site visits.
4. We expect a formal written review within thirty days of document receipt (should you require additional time, please contact the assigned VRP Project Manager).

Cost Estimate Response Format

Your submittal will not be considered complete, and will be ineligible for award, if you do not include all of the information as requested below. With regard the VRP site, please include the following:

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- | | |
|---|--|
| ☐ Overall & Itemized Costs | ☐ Narrative Approach to Project |
| ☐ Similar Project Experience | ☐ Human Health & Ecological Risk Assessment Experience |
| ☐ Familiarity with VRP Process | ☐ Quality of Past VRP Project Performance, <i>if applicable</i> |

Mark Burgess, Camp, Dresser & McKee Inc.
VRP Cost Estimate Request
Site #6980401 Page 3

Please note that if your proposal is selected, The IDEM will hold you to the staff effort identified in your proposal. Failure to comply with your proposal statements may result in a reduction in payment or nonpayment. However, if the scope of work changes at these sites, we will request that you submit amended cost estimate proposals to cover these unforeseen project activities.

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Sincerely,



Ed Joniskan, Project Manager
Voluntary Remediation Program
Office of Environmental Response

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Indianapolis, Indiana 46206-6015
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(800) 451-6027
www.ai.org/idem

June 19, 1998

Rudy Fields
Earth Tech
5010 Stone Mill Road
Bloomington IN 47408

Dear Mr. Fields:

Re: Cost Estimate for VRP Site 6980601

The Indiana Department of Environmental Management (IDEM) has determined that the Allied Signal Inc. facility in South Bend, Indiana is eligible for the Voluntary Remediation Program. The VRP site identification number is 6980601. Please reference this number in all future correspondence.

The IDEM needs to complete the technical review of various reports for this site. The Department is reviewing alternative means of accomplishing this task. One such alternative is to assign these projects to a company now under a Master Agreement to provide technical reviews. To evaluate this alternative further, your company, as a party to such a Master Agreement, is being asked to respond to the requests for information set out below.

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Cost Estimate Response Format

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 - A total project cost
6. A schedule for conducting the report reviews.

The IDEM will evaluate the information packages with regards to the following:

- | | |
|---|--|
| ☐ Overall & Itemized Costs | ☐ Narrative Approach to Project |
| ☐ Similar Project Experience | ☐ Human Health & Ecological Risk Assessment Experience |
| ☐ Familiarity with VRP Process | ☐ Quality of Past VRP Project Performance, <i>if applicable</i> |

Please note that if your proposal is selected, The IDEM will hold you to the staff effort identified in your proposal. Failure to comply with your proposal statements may result in a reduction in payment or nonpayment. However, if the scope of work changes at these sites, we will request that you submit amended cost estimate proposals to cover these unforeseen project activities.

I will expect to receive a cost estimates within two (2) weeks of your receipt of this correspondence. If questions arise, please contact Steve Browning at 317-308-3066.

Sincerely,



Ed Joniskan, Project Manager
Voluntary Remediation Program
Office of Environmental Response

Enclosure