

NEWYORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
Operation Maintenance and Monitoring Review Report
Period covered by -- 2003 2004/7

Site / Spill Number : 633027		Site Name: Primoshield, Inc.		Class: 04	
Program Lead: Hazardous Waste Program			OM&M Funding Source: Title3 SSF		
Start Date : 08/01/1998		ACT			
Annual IC/EC Certification :					
DEC Inspection Date: 08/01/2002		--- Last Date of DEC Inspection			
Report Used for Evaluation: Quarterly reports, Semi-Annual GW Permit Reports, LTM results 1/04					
ROD Compliance ? YES		Consent order/Decree Compliance ? YES			
LongTerm Monitoring(effectiveness of remedy): Yes		Frequency: 5-Quarter		Act. Date: // / 11/23/04	
Treatment System(Monitoring performance of remedy): Yes		Frequency: Quarterly Semi-Annual		Pln. Date: // / #wells : 0	
PROBLEM STATUS : 99B		None			
Evaluation : The Remedy is performing properly and effectiveness will be evaluated effectively.					
Comments/ Changes/ Attachments: 2003: VOCs are un-detect. Detection limit is above the gw std, recommend that future analysis be conducted w/ EPA Method 524. Need to obtain GPS coordinates for wells & need to draw contour maps. All data should be re-plotted using EQUIS. Post-reorganization, change the phone # on the high level remote alarm & install new locks on the wells & gate. Last Registry update recommended quarterly POTW sampling; since then, the decision was to increase to quarterly monitoring only if semi-annual reports reveal exceedances of contamination limits. GW velocity estimate would be useful for this.					
ROD/Consent Order Modifications?		NO			
reclassification recommended :		None			
Contaminant of concern	OU	Contaminant of concern	Media/Receptor		
	01	CYANIDE SALTS			
	01	HYDROFLUORIC ACID			
	01	CORROSIVE LIQUIDS			
	01	SOLVENTS			
	01				
	01				
	01				
Remedies	OU	Remedies	Size of Treatment	Date in Place	Remedy Effective
	01	Not Otherwise Specified	Small (<10gpm or < 5 acres)	//	Yes

IC (Discharge Permit) needs to be certified

Next Review 03/31/2004 07/31/04 ?		Priority: 2	
Subject Manager Lasdin		Reviewer: Rider	
Signature	Date	Signature	Date
Name	Region or Bureau	Telephone	
Name	Region or Bureau	Telephone	

Report: Ommrpt1b.frx

☐ OM Certified
All Data Entered

Spring 07
Summer 08

1

INORGANIC ANALYSES DATA SHEET

916602

Lab Name: LIONVILLE LABORATORY Contract: 01667
Lab Code: LVLI Case No.: SH004 SAS No.: SDG No.: 1123
Matrix (soil/water): WATER Lab Sample ID: 0411L284-001
Level (low/med): LOW Date Received: 11/24/04
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

μ = method

down
mod difference?

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
SH004-1123-9166-02

FORM I - IN

20200220

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: LIONVILLE LABORATORY Contract: 01667
Lab Code: LVLI Case No.: SH004 SAS No.: SDG No.: 1123
Matrix (soil/water): WATER Lab Sample ID: 0411L284-002
Level (low/med): LOW Date Received: 11/24/04
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments :

SH004-1123-9166-03

1

INORGANIC ANALYSES DATA SHEET

916605

Concentration Units (ug/L or mg/kg dry weight): UG/L_

[illegible]

Comments:
SH004-1123-9166-05

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: LIONVILLE LABORATORY Contract: 01667
Lab Code: LVLI Case No.: SH004 SAS No.: SDG No.: 1123
Matrix (soil/water): WATER Lab Sample ID: 0411L284-004
Level (low/med): LOW Date Received: 11/24/04
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

SH004-1123-9166-06

U.S. EPA

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: LIONVILLE LABORATORY Contract: 01667
 Lab Code: LVLI Case No.: SH004 SAS No.: SDG No.: 1123
 Matrix (soil/water): WATER Lab Sample ID: 0411L284-005
 Level (low/med): LOW Date Received: 11/24/04
 % Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2130	-	N	P
7440-36-0	Antimony	2.8	U		P
7440-38-2	Arsenic	2.6	U		P
7440-39-3	Barium	74.5	-		P
7440-41-7	Beryllium	0.14	-		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium	19100	-		P
7440-47-3	Chromium	7.8	-		P
7440-48-4	Cobalt	1.5	-		P
7440-50-8	Copper	5.2	-		P
7439-89-6	Iron	2930	-	N	P
7439-92-1	Lead	2.2	-		P
7439-95-4	Magnesium	2070	-		P
7439-96-5	Manganese	50.1	-		P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	6.2	-		P
7440-09-7	Potassium	5930	-		P
7782-49-2	Selenium	3.7	U	*	P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	75000	-	N	P
7440-28-0	Thallium	4.8	U	*	P
7440-62-2	Vanadium	4.0	-		P
7440-66-6	Zinc	81.2	-		P

Color Before: _____ Clarity Before: _____ Texture: _____
 Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

SH004-1123-9166-07

FORM I - IN

000000024

1

INORGANIC ANALYSES DATA SHEET

916608

Lab Name: LIONVILLE LABORATORY Contract: 01667
Lab Code: LVLI Case No.: SH004 SAS No.: SDG No.: 1123
Matrix (soil/water): WATER Lab Sample ID: 0411L284-006
Level (low/med): LOW Date Received: 11/24/04
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

[illegible]

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments :

SH004-1123-9166-08

DISCUSSION

1

EPA SAMPLE NO.

916609

09 MW1070

SDG No.: 1123
e ID: 0411L284-007
ived: 11/24/04

Concentration Units (ug/L or mg/kg dry weight) : UG/L

[illegible]

Color Before: _____
Color After: _____

Clarity Before: _____
Clarity After: _____

Texture: _____
Artifacts: _____

Comments:

SH004-1123-9166-09

Inactive Hazardous Waste Site Operations and Maintenance Review Report

Form Date 96.10.01

Site Name: Primoshield Plating		Class: 4	Number: 633027
O&M Funding Source: ☒ State Superfund ☐ Federal Superfund ☐ Municipal ☐ Responsible Party			
O&M Information: O&M Start: 12/98 End: Annual Cost: \$ ☐ Estimated			
Interim Remedial Measures/Operable Units in O&M Phase:			
☐ Drum Removal	☒ Soil Removal	☐ Tank Removal	
☐ Cap/Cover	☐ Containment Structure	☒ Fence/Security	
☒ Groundwater Recovery/Treatment	☐ Leachate Collection/Treatment	☐ Vapor Extraction/Treatment	
☐ Air Sparging/Stripper System	☐ Treatment/Filtration Plant/System	☐ Potable Water Supply/System	
☒ Other: Hazardous Material Removal			
Institutional Controls: ☐ Deed Restriction ☐ Discharge Permit ☐ Department of Health Sampling			
☐ Other:			
O&M Review Information:			
Reports: <u>Semi-annual Groundwater Permit Reports: 5/31/99, 11/30/99, and 5/31/00 (11/30/00 not done, pump down.)</u>			
<u>Quarterly Groundwater Monitoring Reports: quarters ending 4/30/99, 7/30/99, 10/30/99, 2/7/00 and 11/30/00</u>			
Inspection: <u>4/13/99, 7/27/99, 10/28/99, 2/7/00 and 11/30/00</u>			
Sampling: <u>4/13/99, 7/27/99, 10/28/99, 2/7/00 and 11/30/00</u>			
Other:			
Conclusions:			
Remedy Effective? ☒ Yes ☐ No: _____			
ROD Compliance? ☒ Yes ☐ No: _____			
Consent Order Compliance? ☐ Yes ☐ No: <u>there is no consent order</u>			
Other: _____			
Recommendations: <u>The groundwater sampling regimen should be reviewed and possibly changed to 5/4 sampling.</u>			
ROD/Consent Order Modifications? ☒ No ☐ Yes (per above) Reclassify the Site? ☒ No ☐ Yes → Class:			
Comments: <u>The sump pump will be replaced Spring 2001. At that time, the carbon drums will be disconnected with the ability to reconnect them in the future if possible. Then the POTW sampling can resume. There is also a note in the files that says that once the drums are removed that we should consider disconnecting the phone because the drums failing is the biggest cause of high level alarms, but does the sump pump failure also cause high level alarms? When we consider shutting down the pump, we will need to consider possible impacts that the pumping has had on lowering gw levels, i.e., will basements get flooded when pump is off.</u>			
<u>Problem severe since system is down</u>			
Project Manager:		Reviewer:	
<u>Susan M. Lasdin</u> 03/30/01		<u>Gerald J. Rider, Jr.</u> 03/30/01	
Signature Date		Signature Date	
Susan M. Lasdin, P.E. BHSC 518-457-0927		Gerald J. Rider, Jr., P.E., BHSC 518-457-0927	
Name Region or Bureau Telephone		Name Region or Bureau Telephone	

eDocs ✓

Inactive Hazardous Waste Site Operations and Maintenance Review Report

[illegible]

e Docs ✓

Inactive Hazardous Waste Site Operations and Maintenance Review Report

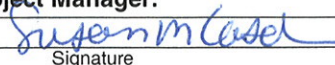
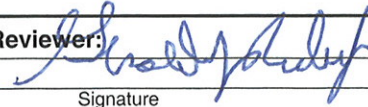
Form Date 96.10.01

Site Name: Primoshield Plating		Class: 4	Number: 633027
O&M Funding Source: ☒ State Superfund ☐ Federal Superfund ☐ Municipal ☐ Responsible Party			
O&M Information: O&M Start: 12/98 End:		Annual Cost: \$ ☐ Estimated	
Interim Remedial Measures/Operable Units in O&M Phase:			
☐ Drum Removal ☒ Soil Removal ☐ Tank Removal ☐ Cap/Cover ☐ Containment Structure ☒ Fence/Security ☒ Groundwater Recovery/Treatment ☐ Leachate Collection/Treatment ☐ Vapor Extraction/Treatment ☐ Air Sparging/Stripper System ☐ Treatment/Filtration Plant/System ☐ Potable Water Supply/System ☒ Other: Hazardous Material Removal			
Institutional Controls: ☐ Deed Restriction ☐ Discharge Permit ☐ Department of Health Sampling			
☐ Other:			
O&M Review Information:			
Reports: Semi-annual Groundwater Permit Reports: 5/31/99, 11/30/99, 5/31/00 (11/30/00 and 5/31/01 not done, pump down.) 11/30/01, & 5/30/02			
Quarterly Groundwater Monitoring Reports: quarters ending 4/30/99, 7/30/99, 10/30/99, 2/7/00 and 11/30/00			
Inspection: 4/13/99, 7/27/99, 10/28/99, 2/7/00 and 11/30/00			
Sampling: 4/13/99, 7/27/99, 10/28/99, 2/7/00 and 11/30/00			
Other:			
Conclusions:			
Remedy Effective? ☒ Yes ☐ No:			
ROD Compliance? ☒ Yes ☐ No:			
Consent Order Compliance? ☐ Yes ☐ No: there is no consent order			
Other:			
Recommendations: The groundwater sampling regimen was reviewed and changed to 5/4 sampling. The next round of sampling is due 2/02. When the Registry was updated, we recommended quarterly POTW sampling. Since then, we decided to only increase it to quarterly if semiannual sampling shows exceedances of the limits. Jack Marsch will either email us his visit reports which include pump readings, or put them in a notebook at the site. He will also be taking care of the POTW sampling and reporting, including acquiring bottles and analytical services. The next time we go to the site we should bring new locks (same key) and keys so that one key will get into all the locks and there will be keys in the Central and Regional Offices.			
ROD/Consent Order Modifications? ☒ No ☐ Yes (per above) Reclassify the Site? ☒ No ☐ Yes → Class:			
Comments: The sump pump was replaced in Spring 2001. Also, the carbon drums were disconnected, with the ability to reconnect them in the future if necessary. The POTW sampling was conducted in November 2001 and May 2002 and all analysis were within allowable limits. There is also a note in the files that says that once the drums are removed that we should consider disconnecting the phone because the drums failing is the biggest cause of high level alarms, but the sump pump failure also cause high level alarms. In the future, when we consider shutting down the pump, we will need to consider possible impacts that the pumping has had on lowering gw levels, i.e., will basements get flooded when pump is off.			
Project Manager:		Reviewer:	
(For) 03/30/02		(For) 03/30/02	
Signature Date		Signature Date	
Susan M. Lasdin, P.E. BHSC 518-402-9552		Gerald J. Rider, Jr., P.E., BHSC 518-402-9552	
Name Region or Bureau Telephone		Name Region or Bureau Telephone	

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Inactive Hazardous Waste Site Operations and Maintenance Review Report

Form Date 96.10.01

Site Name: Primoshield Plating		Class: 4		Number: 633027	
O&M Funding Source: ☒ State Superfund ☐ Federal Superfund ☐ Municipal ☐ Responsible Party					
O&M Information: O&M Start: 12/98 End: Annual Cost: \$ ☐ Estimated					
Interim Remedial Measures/Operable Units in O&M Phase:					
☐ Drum Removal		☒ Soil Removal		☐ Tank Removal	
☐ Cap/Cover		☐ Containment Structure		☒ Fence/Security	
☒ Groundwater Recovery/Treatment		☐ Leachate Collection/Treatment		☐ Vapor Extraction/Treatment	
☐ Air Sparging/Stripper System		☐ Treatment/Filtration Plant/System		☐ Potable Water Supply/System	
☒ Other: Hazardous Material Removal					
Institutional Controls: ☐ Deed Restriction ☐ Discharge Permit ☐ Department of Health Sampling					
☐ Other:					
O&M Review Information:					
Reports: Semi-annual Groundwater Permit Reports: 5/31/99, 11/30/99, 5/31/00 (11/30/00 and 5/31/01 not done, pump down.) 11/30/01, & 5/30/02					
Quarterly Groundwater Monitoring Reports: quarters ending 4/30/99, 7/30/99, 10/30/99, 2/7/00 and 11/30/00					
Inspection: 4/13/99, 7/27/99, 10/28/99, 2/7/00 and 11/30/00					
Sampling: 4/13/99, 7/27/99, 10/28/99, 2/7/00 and 11/30/00					
Other:					
Conclusions:					
Remedy Effective? ☒ Yes ☐ No:					
ROD Compliance? ☒ Yes ☐ No:					
Consent Order Compliance? ☐ Yes ☐ No: there is no consent order					
Other:					
Recommendations: The groundwater sampling regimen was reviewed and changed to 5/4 sampling. The next round of sampling is due 2/02. When the Registry was updated, we recommended quarterly POTW sampling. Since then, we decided to only increase it to quarterly if semiannual sampling shows exceedances of the limits. Jack Marsch will either email us his visit reports which include pump readings, or put them in a notebook at the site. He will also be taking care of the POTW sampling and reporting, including acquiring bottles and analytical services. The next time we go to the site we should bring new locks (same key) and keys so that one key will get into all the locks and there will be keys in the Central and Regional Offices.					
ROD/Consent Order Modifications? ☒ No ☐ Yes (per above) Reclassify the Site? ☒ No ☐ Yes → Class:					
Comments: The sump pump was replaced in Spring 2001. Also, the carbon drums were disconnected, with the ability to reconnect them in the future if necessary. The POTW sampling was conducted in November 2001 and May 2002 and all analysis were within allowable limits. There is also a note in the files that says that once the drums are removed that we should consider disconnecting the phone because the drums failing is the biggest cause of high level alarms, but the sump pump failure also cause high level alarms. In the future, when we consider shutting down the pump, we will need to consider possible impacts that the pumping has had on lowering gw levels, i.e., will basements get flooded when pump is off.					
Next Review: 3/03					
Project Manager:			Reviewer:		
 Signature (For) 03/30/02 Date			 Signature (For) 03/30/02 Date		
Susan M. Lasdin, P.E. BHSC 518-402-9552 Name Region or Bureau Telephone			Gerald J. Rider, Jr., P.E., BHSC 518-402-9552 Name Region or Bureau Telephone		

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NEWYORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
Operation Maintenance and Monitoring Review Report
Period covered by -- 2002

e / Spill Number : 633027		Site Name: Primoshield, Inc.		Class: 04	
Program Lead: Hazardous Waste Program			OM&M Funding Source: Title3		
Start Date : 08/01/1998		ACT			
Annual IC/EC Certification :					
DEC Inspection Date: 11/30/2000		--- Last Date of DEC Inspection			
Report Used for Evaluation: Quarterly reports					
ROD Compliance ? YES		Consent order/Decree Compliance ? YES			
Long Term Monitoring(effectiveness of remedy): No		Frequency:		Act. Date: / /	
Treatment System(Monitoring performance of remedy): Yes		Frequency: Quarterly		Pln. Date: / / #wells : 0	
PROBLEM STATUS : 01F		----- None			
Evaluation :					
The Remedy is performing properly and effectiveness will be evaluated					
Comments/ Changes/ Attachments:					
2002:					
2001: Sump pump to be replaced in spring and the carbon drums will be disconnected with the ability to reconnect them. There is question whether the sump pumps' in addition to the drum's failing will cause high level alarms. There is also question whether shutting down the pump will cause flooding in the basement.					
ROD/Consent Order Modifications?		NO			
reclassification recommended :		None			
Contaminant of concern		OU		Contaminant of concern	
				Media/Receptor	
		01		CYANIDE SALTS	
		01		HYDROFLUORIC ACID	
		01		CORROSIVE LIQUIDS	
		01		SOLVENTS	
		01			
		01			
		01			
Remedies		OU		Remedies	
				Size of Treatment	
		01		Small (<10gpm or < 5 acres)	
				Date in Place	
				Remedy Effective	
				/ /	
				Yes	

Next Review 03/01/2003		Priority: 0	
Project Manager Lasdin		Reviewer: Rider	
Signature	Date	Signature	Date
Name	Region or Bureau	Telephone	
Name	Region or Bureau	Telephone	

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NEWYORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
Operation Maintenance and Monitoring Review Report
Period covered by -- 2003

e / Spill Number : 633027		Site Name: Primoshield, Inc.		Class: 04	
Program Lead: Hazardous Waste Program			OM&M Funding Source: Title3		
Start Date : 08/01/1998		ACT			
Annual IC/EC Certification :					
DEC Inspection Date: 08/01/2002		--- Last Date of DEC Inspection			
Report Used for Evaluation: Quarterly reports, Semi-Annual GW Permit Reports					
ROD Compliance ? YES		Consent order/Decree Compliance ? YES			
LongTerm Monitoring(effectiveness of remedy): Yes		Frequency: 5-Quarter		Act. Date: / /	
Treatment System(Monitoring performance of remedy): Yes		Frequency: Quarterly		Pln. Date: / / #wells : 0	
PROBLEM STATUS : 99B		None			
Evaluation : The Remedy is performing properly and effectiveness will be evaluated					
Comments/ Changes/ Attachments: 2003: VOCs are un-detect. Detection limit is above the gw std, recommend that future analysis be conducted w/ EPA Method 524. Need to obtain GPS coordinates for wells & need to draw contour maps. All data should be re-plotted using EQUIS. Post-reorganization, change the phone # on the high level remote alarm & install new locks on the wells & gate. Last Resgistry update recommended quarterly POTW sampling; since then, the decision was to increase to quarterly monitoring only if semi-annual reports reveal exceedances of contamination limits.GW velocity estimate would be useful for this.					
ROD/Consent Order Modifications?		NO			
reclassification recommended :		None			
Contaminant of concern		OU		Media/Receptor	
	01	CYANIDE SALTS			
	01	HYDROFLUORIC ACID			
	01	CORROSIVE LIQUIDS			
	01	SOLVENTS			
	01				
	01				
	01				
Remedies	OU	Remedies	Size of Treatment	Date in Place	Remedy Effective
	01	Not Otherwise Specified	Small (<10gpm or < 5 acres)	/ /	Yes

Next Review 03/31/2004			Priority: 2		
Project Manager Lasdin			Reviewer: Rider		
Signature		Date	Signature		Date
Name	Region or Bureau	Telephone	Name	Region or Bureau	Telephone

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

SH004-1123-9166-02

mw101 D

Lab Name: Lionville Labs, Inc. Contract: 01667601001

Lab Code: Lionvi Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0411L284-001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x113027

Level: (low/med) LOW Date Received: 11/24/04

% Moisture: not dec. _____ Date Analyzed: 12/01/04

Column: (pack/cap) CAP Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/L</u>	
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	7	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

U = Undetected
10 = DL
B = Blank

FORM 1 V-1

1/87 Rev.

need to use Method 524.2

000000027

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

SH004-1123-9166-03

MW103

Lab Name: Lionville Labs, Inc. Contract: 01667601001

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0411L284-002

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: x113028

Level: (low/med) LOW

Date Received: 11/24/04

% Moisture: not dec. _____

Date Analyzed: 12/01/04

Column: (pack/cap) CAP

Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L *ppb*

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	8	B
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	3	J
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	1	J
107-06-2-----	1,2-Dichloroethane	1	J
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	8	J
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	2	J
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	1	J
10061-02-6-----	Trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	1	J
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	1	J

*3 found below
DL*

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

SH004-1123-9166-05 *MW105*

Lab Name: Lionville Labs, Inc. Contract: 01667601001

Lab Code: Lionvi Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: 0411L284-003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: x113029

Level: (low/med) LOW Date Received: 11/24/04

% Moisture: not dec. _____ Date Analyzed: 12/01/04

Column: (pack/cap) CAP Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	7	B
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	Trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

Lab Name: Lionville Labs, Inc. Contract: 01667601001

SH004-1123-9166-06

mw 1065

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0411L284-004

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: x113030

Level: (low/med) LOW

Date Received: 11/24/04

% Moisture: not dec. _____

Date Analyzed: 12/01/04

Column: (pack/cap) CAP

Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	7	B
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	4	J
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	3	J
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	Trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

SH004-1123-9166-07 *MW1060*

Lab Name: Lionville Labs, Inc. Contract: Q1667601001

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0411L284-005

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: x113032

Level: (low/med) LOW

Date Received: 11/24/04

% Moisture: not dec. _____

Date Analyzed: 12/01/04

Column: (pack/cap) CAP

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	17	B
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	Trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	1	J

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

Lab Name: Lionville Labs, Inc. Contract: 01667601001

SH004-1123-9166-08

MW 1075

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0411L284-006

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: x113033

Level: (low/med) LOW

Date Received: 11/24/04

% Moisture: not dec. _____

Date Analyzed: 12/01/04

Column: (pack/cap) CAP

Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>ug/L</u>
74-87-3	Chloromethane	10 U
74-83-9	Bromomethane	10 U
75-01-4	Vinyl Chloride	10 U
75-00-3	Chloroethane	10 U
75-09-2	Methylene Chloride	17 B
67-64-1	Acetone	10 U
75-15-0	Carbon Disulfide	5 U
75-35-4	1,1-Dichloroethene	5 U
75-34-3	1,1-Dichloroethane	5 J
540-59-0	1,2-Dichloroethene (total)	5 U
67-66-3	Chloroform	2 J
107-06-2	1,2-Dichloroethane	5 U
78-93-3	2-Butanone	10 U
71-55-6	1,1,1-Trichloroethane	4 J
56-23-5	Carbon Tetrachloride	5 U
75-27-4	Bromodichloromethane	5 U
78-87-5	1,2-Dichloropropane	5 U
10061-01-5	cis-1,3-Dichloropropene	5 U
79-01-6	Trichloroethene	19 U
124-48-1	Dibromochloromethane	5 U
79-00-5	1,1,2-Trichloroethane	5 U
71-43-2	Benzene	5 U
10061-02-6	Trans-1,3-Dichloropropene	5 U
75-25-2	Bromoform	5 U
108-10-1	4-Methyl-2-pentanone	10 U
591-78-6	2-Hexanone	10 U
127-18-4	Tetrachloroethene	5 U
79-34-5	1,1,2,2-Tetrachloroethane	5 U
108-88-3	Toluene	5 U
108-90-7	Chlorobenzene	5 U
100-41-4	Ethylbenzene	5 U
100-42-5	Styrene	5 U
1330-20-7	Xylene (total)	5 U

1A
VOLATILE ORGANICS ANALYSIS SHEET

EPA SAMPLE NO.

SH004-1123-9166-09

mw1070

Lab Name: Lionville Labs, Inc. Contract: 01667601001

Lab Code: Lionvi Case No.: _____

SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER

Lab Sample ID: 0411L284-007

Sample wt/vol: 5.00 (g/mL) ML

Lab File ID: x113034

Level: (low/med) LOW

Date Received: 11/24/04

% Moisture: not dec. _____

Date Analyzed: 12/01/04

Column: (pack/cap) CAP

Dilution Factor: 1.00

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	17	B
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (total)	5	U
67-66-3-----	Chloroform	2	J
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	Trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U
1330-20-7-----	Xylene (total)	5	U